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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	91194218
Party	Plaintiff Illumina, Inc.
Correspondence Address	SUSAN M NATLAND KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN ST, 14TH FL IRVINE, CA 92614 UNITED STATES efiling@knobbe.com
Submission	Plaintiff's Notice of Reliance
Filer's Name	Brian C. Horne
Filer's e-mail	efiling@knobbe.com
Signature	/Brian C. Horne/
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Attachments	Final Signed Declaration of Naomi O'Grady.pdf(1321502 bytes) Exhibit 8.pdf(5808266 bytes) Exhibit 56.pdf(240400 bytes) Exhibit 301.pdf(4867998 bytes) Exhibit 302.pdf(4416111 bytes) Exhibit 303.pdf(541068 bytes) Exhibit 304.pdf(912852 bytes) Exhibit 305.pdf(381030 bytes) Exhibit 306A.pdf(583980 bytes) Exhibit 306B.pdf(537433 bytes) Exhibit 306C.pdf(186345 bytes) Exhibit 307.pdf(5406837 bytes) Exhibit 308.pdf(5775537 bytes) Exhibit 309.pdf(5868881 bytes) Exhibit 310.pdf(2446502 bytes) Exhibit 311A.pdf(3615132 bytes) Exhibit 311B.pdf(3118598 bytes) Exhibit 311C.pdf(2645878 bytes) Exhibit 312.pdf(965637 bytes) Exhibit 313.pdf(1776718 bytes) Exhibit 314.pdf(446318 bytes) Exhibit 315.pdf(116665 bytes) Exhibit 316.pdf(853373 bytes) Exhibit 317.pdf(30545 bytes) Exhibit 318.pdf(87224 bytes) Exhibit 319.pdf(24571 bytes) Exhibit 320.pdf(93832 bytes) Exhibit 321.pdf(24566 bytes) Exhibit 322.pdf(47309 bytes)

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Illumina, Inc.,	)	Opposition No.: 91194218
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Opposer,	)	
	)	
v.	)	
	)	
Meridian Bioscience, Inc.,	)	
	)	
Applicant.	)	
	)	

DECLARATION OF NAOMI O'GRADY

I, Naomi O'Grady, declare as follows:

1. I have personal knowledge of the matters set forth herein and if called upon to testify, I could and would competently testify thereto.

2. I have been employed with Illumina, Inc. since October 2007. In my current role as Manager, Oncology Product Marketing, I am responsible for product marketing, promotion, advertising, sales, and lifecycle management of the products and services offered for sale, sold, and intended to be sold by Illumina in connection with its ILLUMINA® marks. Through my employment, I have become familiar with the development of Illumina's diagnostic products and services.

3. I was originally hired by and to work for Mickie Henshall, Illumina's then Associate Director of Product Marketing. Ms. Henshall and I had previously worked together at Nanogen, Inc. Nanogen developed diagnostic products that, among other things, were intended to be used to diagnose and monitor infectious diseases. Nanogen sold products such as array and real-time PCR molecular assay kits and reagents, and test kits designed for use in urgent care settings or at a physician's office.

4. Illumina hired Ms. Henshall in August 2005 to develop a molecular diagnostics business for Illumina, which was her sole responsibility. This included the responsibility to market Illumina's BeadXpress® system, which Illumina acquired through the acquisition of a company named CyVera Corp. in April 2005. After joining Illumina, Ms. Henshall quickly set out to put together a team, including me, to assist in marketing BeadXpress® and growing Illumina's molecular diagnostic business. By the first half of 2008, that team was focused on three molecular diagnostic market segments including human genetics and cancer, infectious disease, and epigenetics applications (gene expression profiling and methylation detection).

5. By that time, Illumina was positioning the BeadXpress® platform to the molecular diagnostics market, where Luminex Corp was a competitor. Illumina was interested, among other things, in developing products that would compete with Luminex's molecular diagnostic test for influenza. Both Luminex's xMAP® and Illumina's BeadXpress® could be used to detect variants in DNA in a multi-plexed fashion leveraging beads. Both systems were capable of applying their DNA variant detection systems to identify infectious diseases.

6. Attached hereto as Exhibit 301 is a true and correct copy of a 2006 presentation given by David Barker, who was Illumina's Vice President and Chief Scientific Officer. This type of presentation is an externally-facing presentation that Illumina typically delivered to companies with whom Illumina sought partnerships in order to apply Illumina's technology to the medical field. This particular presentation was used to introduce Illumina's VeraCode® technology after Illumina's acquisition of CyVera. More specifically, these slides would have been used for business development purposes, and would have been given to prospective customers, including those customers developing molecular diagnostic assays in a variety of settings in order to position Illumina's VeraCode® technology for use in genetics, cancer, and infectious disease.

7. Attached hereto as Exhibit 302 is a true and correct copy of a presentation given by Mickie Henshall in 2007 titled "VeraCode Technology – From Research to Molecular

Diagnostics." This presentation was provided to Illumina's sales team in 2007 to present to prospective customers and was also frequently presented at industry trade conferences like the Association for Molecular Pathology. For example, this presentation was presented at the American Association for Clinical Chemistry Annual Meeting in San Diego, California, on July 17, 2007, and was presented at an Illumina Seminar Series in Toronto, Ontario, on August 6, 2008. The presentation outlined how the BeadXpress® technology could be applicable for diagnostics.

8. Attached hereto as Exhibit 303 is a true and correct copy of a March 2007 launch package regarding Illumina's VeraCode® technology and BeadXpress® system. The package was prepared by Ms. Henshall, and was used for training the sales team on how to position the BeadXpress® technology to prospective customers, which included customers operating clinical labs. The package was updated in November 2008 to revise the warranty plans.

9. In 2009, Illumina began making formal, annual portfolio plans to assess potential business development options. The purpose of these annual plans was to assess opportunities, such as new product offerings, where Illumina could expand its business. The first portfolio plan my team wrote with Ms. Henshall was directed to the clinical market. Attached hereto as Exhibit 304 is a true and correct copy of the Diagnostics Portfolio Management Plan dated July 20, 2009. The next year, I wrote a portfolio plan that covered infectious and inherited diseases. Attached hereto as Exhibit 305 is a true and correct copy of the Diagnostics Platform Plan dated June 22, 2010.

10. When I began at Illumina in 2007, one of my main responsibilities was to market the BeadXpress® platform. Illumina marketed the BeadXpress® with the ILLUMINA® mark. Illumina marketed the BeadXpress® in a number of trade and scientific journals. Attached hereto as Exhibit 306 is a true and correct copy of an Advertising Summary prepared by Illumina's marketing team in 2013. As shown on the third page (ILLUM-1176), in 2009 Illumina advertised BeadXpress in *CAP Today* (a journal published by the College of American

Pathologists), *The Journal of Molecular Diagnostics* (a journal published by the Association for Molecular Pathology), and *Nature Genetics.* Ex. * at 3. Each of these journals is widely read by members of the diagnostics community. For example, *CAP Today* is read by at least the following groups: laboratory directors (including physician laboratory directors); laboratory managers and administrators; pathologists; pathology residents; hospital administrators; chief medical technologists; section managers/supervisors of chemistry, hematology, microbiology, immunology, blood bank, cytology or histotechnology; and hospital information systems/laboratory information systems managers.

11. In addition, one of the main avenues through which Illumina markets its products is by sponsoring and exhibiting at various industry and trade shows. At least since 2007, for example, Illumina began promoting BeadXpress® at the annual meeting of the Association of Molecular Pathology ("AMP"). I have attended the AMP annual meeting every year since I joined Illumina in 2007. Illumina promoted BeadXpress at the AMP annual meeting each year from 2007 until 2011. Attached hereto as Exhibits 307–310 are true and correct copies of the Exhibitor Prospectuses for the AMP 2008–2011 Annual Meetings.

12. AMP is a scientific society made up of members from around the world that typically work in the field of molecular and genomic laboratory medicine. AMP holds an annual conference every fall, during which attendees can attend various programs, including courses and workshops directed to the molecular pathology community. In particular, attendees of the AMP annual meeting includes pathologists, doctoral laboratory scientists, clinicians, and other health care personnel, and they are experts in the areas of infectious diseases, genetic disorders, hematopathology, and solid tumors. Illumina has been a "Silver Partner" corporate sponsor of AMP's annual meetings every year since 2009. In addition to being displayed at Illumina's exhibit booth, Illumina's products and technology are featured in many of the scheduled programs and courses. For example, Illumina has offered corporate-sponsored workshops featuring Illumina technology solutions each year since 2008.

13. Illumina has participated as an exhibitor at the AMP Annual Meetings at least every year since 2007. Meridian, however, did not participate as an exhibitor at the AMP annual meeting until 2010. *See, e.g.*, Ex. 310 at 3 (listing both Illumina and Meridian as Exhibitors at the AMP 2010 Annual Meeting); Ex. 309 at 6 (listing Illumina but not Meridian as an Exhibitor at the AMP 2009 Annual Meeting).

14. Illumina also attends a number of other industry and trade events, including the American Association for Clinical Chemistry ("AACC") Annual Meeting and Clinical Lab Expo from 2008-2010 and the American Society of Microbiology ("ASM") general meeting since 2012. As with AMP, Illumina promotes its products and services at these events. In particular, Illumina focuses on presenting its new technology, such as the BeadXpress® at AMP and AACC in the 2007-2008 timeframe and, more recently, its HiSeq sequencing technology at ASM.

15. On July 25, 2006, Mickie Henshall presented Illumina's digital microbead technology for multiplex assays, *i.e.* Illumina's BeadXpress® platform, at the AACC 2006 Annual Meeting. Attached hereto as Exhibit 56 is a true and correct copy of the AACC 2006 Annual Meeting OEM Lecture Series Schedule. Attached hereto as Exhibit 311 is a true and correct copy of the AACC 2006 Annual Meeting Program Registration Brochure. As indicated in the registration brochure, both Illumina and Meridian Bioscience participated at the AACC 2006 Annual Meeting as Clinical Lab Expo exhibitors. *Id.* at 10–11. Attached hereto as Exhibit 312 is a true and correct copy of the final exhibitor list, dated August 1, 2006, from the AACC 2006 Annual Meeting Clinical Lab Expo.

16. When Illumina launched the BeadXpress® platform in 2007, customers operating CLIA-certified clinical laboratories purchased the BeadXpress® system and developed their own lab developed tests ("LDT") for molecular diagnostic purposes. "CLIA" refers to the Clinical Laboratory Improvement Amendments of 1988, which are federal regulatory standards for clinical laboratory testing. In the United States, any facility that performs laboratory testing on human-derived specimens for diagnosis, prevention, or treatment of disease or impairment, or

for health assessments must be CLIA-certified. With an LDT, a high-complexity CLIA-certified clinical diagnostic lab could use a product that is otherwise considered research-use-only for clinical diagnostic purposes.

17. Attached hereto as Exhibit 313 is a true and correct copy of an Illumina brochure concerning its VeraCode® technology and BeadXpress® reader, which Illumina distributed in 2007. Page 3 (ILLUM-0468) refers to "Molecular diagnostic assay development" as one of the possibilities of the VeraCode® technology.

18. Illumina's customer, iGenix, developed custom assays using Illumina's BeadXpress® reader. For example, iGenix developed a CLIA-certified pharmacogenomics assay.

19. In 2007, Children's Hospital of Philadelphia ("CHOP") developed a test for hemoglobinopathies (inherited diseases in which a person has abnormal production or structure of the hemoglobin molecule, such as sickle cell anemia) using the BeadXpress® system. Illumina engaged in marketing efforts in connection with CHOP's development work using BeadXpress®.

20. In 2007 Illumina also entered into a research collaboration with the Children's Hospital of Eastern Ontario ("CHEO"). The companies sought to develop molecular diagnostic tests to screen newborn babies for spinal muscular atrophy ("SNA") and hemoglobinopathies, genetic diseases that can lead to fatal health conditions that can be managed and even prevented if caught at birth. Illumina and CHEO sought to develop the tests using Illumina's VeraCode® technology run on the BeadXpress® reader. In addition, Illumina entered into a collaborative agreement with the Mayo Clinic to co-develop molecular diagnostic tests using Illumina's VeraCode® technology and BeadXpress® reader for the study of complex diseases.

21. Illumina also worked with the University of Maryland in connection with a $5.6 million grant the University received from the Bill and Melinda Gates Foundation in 2007. The University applied for a grant to asses emerging molecular diagnostic techniques as tools for

epidemiological surveillance of infectious microbial disease. Attached hereto as Exhibit 314 is a true and correct copy of the University's proposal submitted to the Gates Foundation on August 7, 2006.

22. The project included development of a diagnostic assay for infectious diseases, namely enteric disease, which relates to the gastrointestinal system. Illumina worked as a subcontractor for the University to make a modified GoldenGate® assay that used BeadXpress® to target signature sequences from 33 diarrheal pathogens. The GoldenGate® assay is proprietary Illumina chemistry offered on the BeadXpress® platform, as well as other Illumina platforms, where customers were provided standardized assay chemistry together with custom oligos targeting DNA targets of interest. Attached hereto as Exhibit 315 is a true and correct copy of an internal slide presentation dated July 26, 2007, discussing Illumina's role in the project. The results of this project were published in a peer-reviewed journal article, the *Journal of Clinical Microbiology* in July 2013, a true copy of which is attached hereto as Exhibit 8.

23. Illumina entered a strategic partnership in 2009 with EraGen Biosciences, a developer of novel molecular reagents for the in vitro diagnostics market. Through this partnership, Illumina provided EraGen with access to the BeadXpress® platform to enable EraGen to commercially develop molecular-based, high-throughput clinical multiplexed assays for the clinical market. Specifically, EraGen sought to convert its assays to Illumina's BeadXpress® platform, beginning with EraGen's assay for cystic fibrosis. Illumina advertised its partnership with EraGen through traditional press releases and marketing presented at the AMP annual meeting in 2010. Attached hereto as Exhibit 316 is a true and correct copy of the marketing provided at the AMP annual meeting. In 2011, EraGen was acquired by Luminex.

24. Also in 2009, Illumina began to offer its VeraCode® Universal Capture and Carboxyl Beads as General Purpose Reagents ("GPR") to enable its customers to develop custom multiplex assays. Attached hereto as Exhibit 326 is a true and correct copy of a

brochure for Illumina's GPR VeraCode® Beads. Illumina's VeraCode® Universal Capture and Carboxyl beads utilize the same technology as the VeraCode® technology Illumina acquired from CyVera. Illumina registered its VeraCode® GPR beads with the FDA as a Class I 510(k) exempt device, meaning that the FDA did not formally review or clear the VeraCode® GPR beads as this is not required for a Class I exempt device. Illumina registered as an FDA Establishment and then completed an FDA Product Registration. To encourage development of diagnostics related to complex diseases using its VeraCode® GPR beads, Illumina created the VeraCode® Assay Design Challenge in 2010. This competition challenged innovators to create either a nucleic acid-based assay or a protein-based assay using VeraCode® GPR beads. Illumina granted awards to the Royal Women's Hospital in Melbourne, Australia, for the development of a rapid diagnostic method for infectious urethritis, and to AmberGen, Inc., for the development of a blood-based colorectal cancer diagnostic and prognostic assay.

25. Illumina's customers also began using BeadXpress® in an area of diagnostics known as pharmacogenomics with Illumina's VeraCode® ADME Core Panel, which was launched in 2010. The VeraCode® ADME Core Panel was used to assess the genetics behind drug adsorption, distribution, metabolism, and excretion ("ADME"). For example, Vanderbilt University implemented the PREDICT (Pharmacogenomic Resource for Enhanced Decisions in Care and Treatment) project using Illumina's VeraCode® ADME Core Panel. The PREDICT project is part of Vanderbilt's personalized medicine program and seeks to identify specific gene variants that can be used to guide choice of drug and drug dosages for patients.

26. Around three years ago, I reviewed records kept by Illumina in the ordinary course of its business and prepared listings of Illumina customers by various product groups. Attached hereto as Exhibit 317 is a true and correct copy of the listing I prepared of Illumina's TCG (Translational and Consumer Genomics) customers. Attached hereto as Exhibit 318 is a true and correct copy of the listing I prepared of Illumina's top cytogenetics customers in 2011 by revenue. Attached hereto as Exhibit 319 is a true and correct copy of the listing I prepared of

Illumina's top 25 customers for all products from 2007–2011. Attached hereto as Exhibit 320 is a true and correct copy of the listing I prepared of Illumina's VeraCode® ADME Core Panel and VeraCode® GPR bead customers based on orders placed in 2011. Finally, attached hereto as Exhibit 321 is a true and correct copy of the listing I prepared of Illumina's top 25 BeadXpress® customers from 2007–2011.

27. Attached hereto as Exhibit 322 is a listing of Illumina's top 25 customers of products and services bearing the ILLUMINA® marks from 2009 to 2013.

28. Illumina sells its products to, among others, clinical diagnostic labs. In my experience, at a clinical diagnostic lab, the laboratory medical director is the decision maker regarding products to purchase. That one person is often responsible for purchasing decisions for genetic, oncology, and infectious disease products.

29. In marketing its products and services, Illumina features the ILLUMINA® mark prominently on its materials. Attached hereto as Exhibit 323 is a true and correct copy of exemplary uses of Illumina's product packaging. The first image (ILLUM-0845) is a picture of Illumina's TruSeq® SBS Kit-HS, a product that includes ready-to-load reagents for use with Illumina's HiSeq® sequencing systems. Illumina currently uses this product packaging for its TruSeq® SBS Kit-HS, and first began using this packaging in 2010. The second image (ILLUM-0846) shows vials containing Illumina's VeraCode® Universal Beads. This product packaging is currently used and has been used since 2009. The third page (ILLUM-0847) shows product labels for Illumina's Whole-Genome DASL® HT Assay Kit. These labels were first used in 2010 and are still used today. The fourth page shows a photo of Illumina's MiSeq® sequencer. The MiSeq® sequencer was launched in 2011 and has always included the ILLUMINA® mark as shown on the front of the housing, in the lower right corner. The last image shown in Exhibit 323 (ILLUM-0849) is a picture of Illumina's GenomeStudio® software packaging.

30. Attached hereto as Exhibit 324 is a true and correct copy of an Illumina® FastTrack Genotyping Services™ brochure from 2007. This brochure was available on

Illumina's website and was given to customers who were interested in Illumina's genotyping services.

31. Attached hereto as Exhibit 325 is a true and correct copy of images of Illumina products and a Data Sheet for SNP Genotyping from 2010. The first page shows a lab worker holding an Illumina® beadchip, and the second page shows an Illumina® BeadArray™ Reader. The last three pages are a Data Sheet for SNP Genotyping, which was available on the Illumina website and would have been provided to customers interested in genotyping.

The undersigned being warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements and the like may jeopardize the validity of the application or document or any registration resulting therefrom, declares that all statements made of his/her own knowledge are true; and all statements made on information and belief are believed to be true.

Executed this 6 day of November, 2014 at San Diego, California

Naomi O'Grady

Naomi O'Grady

19285214

CERTIFICATE OF SERVICE

I hereby certify that I served a copy of the foregoing OPPOSER'S DECLARATION OF NAOMI O'GRADY upon Applicant's counsel by depositing one copy thereof in the United States Mail, first-class postage prepaid, on November 7, 2014, addressed as follows:

J. Michael Hurst
Keating Muething & Klekamp PLL
One East 4th Street
Suite 1400
Cincinnati, OH 45202

Sarah Beno Couvillion

Exhibit 8

Journal of
Clinical Microbiology

Survey of Culture, GoldenGate Assay, Universal Biosensor Assay, and 16S rRNA Gene Sequencing as Alternative Methods of Bacterial Pathogen Detection

Brianna Lindsay, Mihai Pop, Martin Antonio, Alan W. Walker, Volker Mai, Dilruba Ahmed, Joseph Oundo, Boubou Tamboura, Sandra Panchalingam, Myron M. Levine, Karen Kotloff, Shan Li, Laurence S. Magder, Joseph N. Paulson, Bo Liu, Usman Ikumapayi, Chinelo Ebruke, Michel Dione, Mitchell Adeyemi, Richard Rance, Mark D. Stares, Maria Ukhanova, Bret Barnes, Ian Lewis, Firoz Ahmed, Meer Taifur Alam, Ruhul Amin, Sabbir Siddiqui, John B. Ochieng, Emmanuel Ouma, Jane Juma, Eunice Mailu, Richard Omore, Ciara E. O'Reilly, James Hannis, Sheri Manalili, Jonna DeLeon, Irene Yasuda, Lawrence Blyn, Raymond Ranken, Feng Li, Roberta Housley, David J. Ecker, M. Anowar Hossain, Robert F. Breiman, J. Glenn Morris, Timothy K. McDaniel, Julian Parkhill, Debasish Saha, Rangarajan Sampath, O. Colin Stine and James P. Nataro
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Survey of Culture, GoldenGate Assay, Universal Biosensor Assay, and 16S rRNA Gene Sequencing as Alternative Methods of Bacterial Pathogen Detection

Brianna Lindsay,[a] Mihai Pop,[b] Martin Antonio,[c] Alan W. Walker,[d] Volker Mai,[e] Dilruba Ahmed,[f] Joseph Oundo,[g] Boubou Tamboura,[h] Sandra Panchalingam,[a] Myron M. Levine,[a] Karen Kotloff,[a] Shan Li,[a] Laurence S. Magder,[a] Joseph N. Paulson,[b] Bo Liu,[b] Usman Ikumapayi,[c] Chinelo Ebruke,[c] Michel Dione,[c] Mitchell Adeyemi,[c] Richard Rance,[d] Mark D. Stares,[d] Maria Ukhanova,[e] Bret Barnes,[i] Ian Lewis,[i] Firoz Ahmed,[f] Meer Taifur Alam,[f] Ruhul Amin,[f] Sabbir Siddiqui,[f] John B. Ochieng,[g] Emmanuel Ouma,[g] Jane Juma,[g] Eunice Mailu,[g] Richard Omore,[g] Ciara E. O'Reilly,[l] James Hannis,[j] Sheri Manalili,[j] Jonna DeLeon,[j] Irene Yasuda,[j] Lawrence Blyn,[j] Raymond Ranken,[j] Feng Li,[j] Roberta Housley,[j] David J. Ecker,[j] M. Anowar Hossain,[f] Robert F. Breiman,[g] J. Glenn Morris,[e] Timothy K. McDaniel,[i] Julian Parkhill,[d] Debasish Saha,[c] Rangarajan Sampath,[j] O. Colin Stine,[a] James P. Nataro[k]

University of Maryland, School of Medicine, Baltimore, Maryland, USA[a]; University of Maryland, College Park, Maryland, USA[b]; Medical Research Council Unit, Serrekunda, The Gambia[c]; Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, United Kingdom[d]; University of Florida, Gainesville, Florida, USA[e]; International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh[f]; CDC/Kenya Medical Research Institute Research Station, Kisumu, Kenya[g]; Center for Vaccine Development, Bamako, Mali[h]; Illumina, San Diego, California, USA[i]; Ibis, San Diego, California, USA[j]; University of Virginia, Charlottesville, Virginia, USA[k]; Division of Foodborne, Waterborne, and Environmental Diseases, U.S. Centers for Disease Control and Prevention, Atlanta, Georgia, USA[l]

Cultivation-based assays combined with PCR or enzyme-linked immunosorbent assay (ELISA)-based methods for finding virulence factors are standard methods for detecting bacterial pathogens in stools; however, with emerging molecular technologies, new methods have become available. The aim of this study was to compare four distinct detection technologies for the identification of pathogens in stools from children under 5 years of age in The Gambia, Mali, Kenya, and Bangladesh. The children were identified, using currently accepted clinical protocols, as either controls or cases with moderate to severe diarrhea. A total of 3,610 stool samples were tested by established clinical culture techniques: 3,179 DNA samples by the Universal Biosensor assay (Ibis Biosciences, Inc.), 1,466 DNA samples by the GoldenGate assay (Illumina), and 1,006 DNA samples by sequencing of 16S rRNA genes. Each method detected different proportions of samples testing positive for each of seven enteric pathogens, enteroaggregative *Escherichia coli* (EAEC), enterotoxigenic *E. coli* (ETEC), enteropathogenic *E. coli* (EPEC), *Shigella* spp., *Campylobacter jejuni*, *Salmonella enterica*, and *Aeromonas* spp. The comparisons among detection methods included the frequency of positive stool samples and kappa values for making pairwise comparisons. Overall, the standard culture methods detected *Shigella* spp., EPEC, ETEC, and EAEC in smaller proportions of the samples than either of the methods based on detection of the virulence genes from DNA in whole stools. The GoldenGate method revealed the greatest agreement with the other methods. The agreement among methods was higher in cases than in controls. The new molecular technologies have a high potential for highly sensitive identification of bacterial diarrheal pathogens.

The detection of pathogens in stools has been performed traditionally using techniques developed and applied in high-income countries. These methods, developed over the past century and rigorously tested and approved for use for clinical diagnostic purposes, include the standard clinical culture for identifying pathogens, sometimes after an enrichment step, on a selective or differential medium that inhibits the growth of many bacteria and is permissive to the pathogen of interest. After sufficient growth is attained, the colonies are tested by PCR for the selected genes or agglutinated with antisera specific for the pathogen. Alternatively, enzyme-linked immunosorbent assays (ELISAs) or PCR methods may be used directly on fecal samples. Despite the widespread use of these methods in high-income countries, their adoption for routine use in low-income countries has been very limited (1, 2). The availability and costs of technical expertise, supplies, equipment, and equipment maintenance are factors which have limited the adoption of diagnostic microbiology methods in these settings (3). Simple, inexpensive, and reliable point-of-care diagnostic tests that rapidly identify treatable etiologies of diarrhea are needed in low-income countries. We sought to compare the abilities of four different emerging technologies to identify the presence of enteric pathogens in stools from children in low-income countries.

The new molecular methods have great appeal as the technologies are increasingly robust and affordable and potentially more precise. Three alternative technologies are based upon detection of specific DNA sequences. One technology, the GoldenGate assay (Illumina, San Diego, CA), has been adapted for microbiological detection (4). The assay is based on the specific hybridization of primers to target DNA in the solution and the ligation of two primers to form a product that can be amplified with efficiency equal to that for the other ligated products. Amplified ligation products are hybridized to microbeads and detected in an optical microarray format in a Bead Express station (Illumina). The sec-

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Address correspondence to Brianna Lindsay, blind002@umaryland.edu.
B. Lindsay, M.P., M.A., A.W.W., V.M., D.A., J.O., and B.T. are co-first authors.
M.A.H., R.F.B., J.G.M., T.K.M., J.P., D.S., R.S., O.C.S., and J.P.N. are co-senior authors.
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ond technology is the Ibis Universal Biosensor assay (5). It employs a series of PCR primers to amplify selected targets; after amplification, the target DNAs are detected by electrospray ionization-mass spectrometry (ESI-MS) (Ibis, San Diego, CA). The third technology is high-throughput sequencing of fecal community DNA after amplification of 16S rRNA genes (6). Sequences are then processed to identify operational taxonomic units (OTUs). This method can distinguish between genera and some species of bacteria but cannot distinguish among pathotypes of a single species, e.g., enteroaggregative *Escherichia coli* (EAEC), enterotoxigenic *E. coli* (ETEC), enteropathogenic *E. coli* (EPEC), and *Shigella* spp.

These three new technologies were compared with conventional methods on stool samples collected from case and control children in The Gambia, Mali, Kenya, and Bangladesh during the Global Enterics Multicenter Study (GEMS) funded by the Bill and Melinda Gates Foundation (7, 8). Comparisons were done for seven detectable pathogens, EAEC, ETEC, EPEC, *Shigella* spp., *Campylobacter jejuni*, *Salmonella enterica*, and *Aeromonas* spp. Our analyses showed that no method is clearly superior, but the GoldenGate method agreed most frequently with the other methods.

MATERIALS AND METHODS

Stool samples and DNA isolation. Stool samples were collected as part of the GEMS. Children less than 5 years old seeking care for episodes of diarrhea (passage of ≥3 abnormally loose stools within the previous 24 h) at health care facilities serving field site populations were considered. Those who presented within 7 days of the onset of their illness and met the case definition of moderate to severe diarrhea were eligible for enrollment. The episodes meeting the inclusion criteria included exhibition of the most objective signs of dehydration, including sunken eyes, a loss of normal skin turgor, a decision to initiate intravenous hydration or hospitalize the child, or the presence of blood in the stool (dysentery). Within 2 weeks of enrollment of a case, 1 to 3 randomly selected control children without diarrhea, matched to the case by age, gender, and village, were enrolled from the community (8). Stool samples were cultured 7 h on average after defecation. The stool samples were tested for 15 potential diarrheagenic pathogens and their subtypes by culture and subsequent PCR and immunological methods (7). After homogenization of fecal samples by vortexing with 3-mm glass beads (Sigma Life Science, St. Louis, MO), bacterial cell walls were disrupted using a bead beater with 0.1-mm zirconium beads (catalog no. 110791012; BioSpec Products, Bartlesville, OK). The cell slurry was centrifuged, and the supernatant was removed and processed using the Qiagen (Hilden, Germany) QIAamp DNA stool extraction kit. The extracted DNA was precipitated, and the DNA was shipped to the University of Maryland (Baltimore, MD), following the appropriate in-country approvals. DNA was then resuspended, and aliquots were distributed to Ibis and Illumina. For the current study, we utilized specimens from The Gambia, Mali, Kenya, and Bangladesh, chosen based on geographic representation from Asia and sub-Saharan Africa and close collaboration with the sites' principal investigators.

Culture. The clinical pathogen identification methods were completed in each of the participating countries (The Gambia, Mali, Kenya, and Bangladesh) and were described in detail by Panchalingam et al. (7). Briefly, the stool specimens were collected in sterile containers and examined within 24 h of passage. The stool specimens were stored at 2 to 8°C while in transit to the laboratory. Conventional bacteriological, immunological, and molecular methods were used to identify bacterial pathogens. *Vibrio cholerae*, *Vibrio parahaemolyticus*, *Aeromonas* spp., *C. jejuni*, *Campylobacter coli*, *Salmonella* spp., *Shigella* spp., and diarrheagenic *E. coli* were isolated from the appropriate selective media and identified by standard biochemical tests. The standard protocol was to test three putative lactose-positive and indole-positive *E. coli*-like colony morphologies selected from the MacConkey plate for diarrheagenic *E. coli* as previously described (7). The species and subtypes were confirmed by serotyping (for *Shigella* and *Salmonella* spp.) with commercially available antisera (Reagensia, Solna, Sweden, and Denka Seiken, Tokyo, Japan) and by PCR tests for both the heat-labile and heat-stable enterotoxin producers of ETEC, typical and atypical EPEC, and EAEC.

GoldenGate assay. Performed at Illumina, the GoldenGate assay consists of allele-specific oligonucleotides (ASOs) or locus-specific oligonucleotides (LSOs) that are hybridized to the target sequence and ligated together, and the ligated products are PCR amplified using primers attached to the 5′ ends of the ASOs or LSOs. The primers were designed using GoldenGate design software (see reference 9 for details in the GoldenGate assay workflow). In addition, a "Laguna" probe was designed to hybridize to the target DNA, specifically avoiding sequences from human and the various target organisms. The probe is attached to streptavidin and, when precipitated, increases the purity of the target DNA. Multiple probes sets were designed for each target organism.

Sixty-nine sets of probes were simultaneously hybridized to the target DNAs following the methods described in the GoldenGate Genotyping with VeraCode Technology instructions (4). After the beads were scored in the array, the background intensity was calculated for each sample by taking the 50th percentile for all probes present, because it is unlikely that more than half of the targets would be present in a sample. After background subtraction from all the probes, the mean intensities and standard deviations were calculated for all the probes. Greater than 3 standard deviations was the threshold for a probe to detect a target. To call a target present, at least half of its probes had to be detected.

Universal Biosensor assay. Performed at Ibis, this method uses an automated process for aliquoting extracted DNAs, amplifying DNA using PCR primers for the detection of microorganisms of interest, and then subjecting the amplified products to ESI-MS (5). Six pairs of primers targeting 16S and 23S rRNA genes were used to identify microbes broadly (Gram positive, Gram negative, aerobic, and anaerobic), followed by primer pairs to characterize 17 additional genes (*ctxA*, *ctxB*, *east*-1, *east*-2A, *estA1*, *eltA*, *eltB*, *stx1A*, *stx1B*, *aggR*, *aatA*, *eae*, *invA*, *ipaH*, *ipaA*, *ipaC*, and *ipaB*) used to identify the pathogen-specific markers. The mass spectrometer measures the amplicons of the PCR product to calculate a molecular weight, and the composition of the nucleotides can be deduced for each amplicon present. The Universal Biosensor assay utilizes a database of sequence base composition of known microorganisms to determine which microorganisms are present. The Universal Biosensor assays tested for broad groups of microorganisms, including *Campylobacter* spp., *Clostridium* spp., *E. coli*, *Escherichia* spp., nontyphoidal *Salmonella* spp., *Salmonella enterica* serovar Typhi, *Shigella dysenteriae*, *Shigella flexneri*, *Shigella boydii*, *Shigella sonnei*, *V. cholerae*, *V. parahaemolyticus*, ETEC, EPEC, EAEC, and *Yersinia* spp. and the genes *ctxA*, *ctxB*, *eae*, *east*-1, *invA*, *ipaB*, *ipaC*, *ipaD*, and *ipaH*.

16S rRNA gene survey. The DNA from stool samples was amplified using "universal" primers 27F (5′-AGAGTTTGATCCTGGCTCAG-3′) and 338R (5′-CATGCTGCCTCCCGTAGGAGT-3′). A single reverse primer and a set of 96 barcoded forward primers were used. The presence of amplified products was confirmed on agarose gels, and aliquots from each of the 96 samples were added in equimolar amounts to a final mix. This was sequenced using the FLX sequencing kit and the 454 FLX sequencing platform (454 Life Sciences, Branford, CT). Individual reads were filtered for quality using custom in-house scripts that perform the following checks suggested by Huse et al. (10): (i) sequences containing any ambiguous bases (N) were removed, (ii) sequences that were shorter than 75 cycles of the 454 instrument were removed (each cycle yields an average of 2.5 bp, depending on the sequence composition), and (iii) sequences for which a barcode could not be identified were removed (10). The remaining sequences were separated into sample-specific sets according to their barcodes, and the barcodes were removed. The conservative OTUs were constructed by pooling together the sequences from all samples and then were clustered using DNACLUST with the default parameters (98% identity clusters) (11). Pooling the samples ensures that the definition of an OTU is consistent across all the samples. To obtain taxo-

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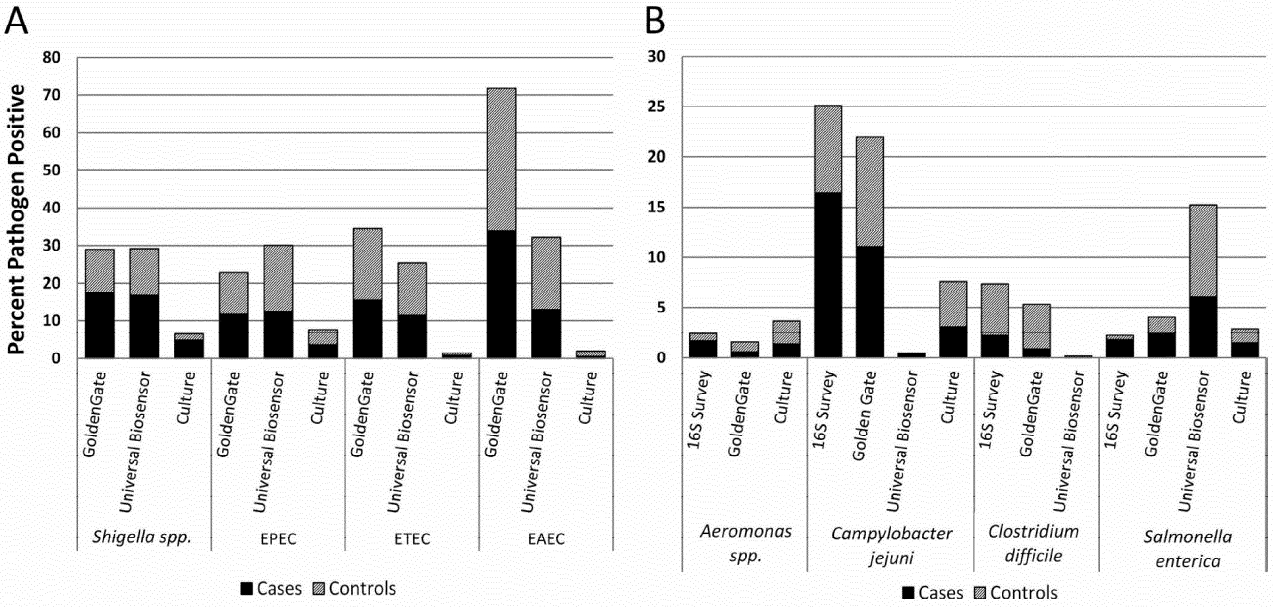

FIG 1 Histogram of the percentages of samples positive for specific pathogens by each method of detection. The pathogens were separated into two panels because the 16S rRNA gene survey is unable to identify the pathogens in panel A. (A) Percentage of samples that were positive for *Shigella* spp. and specific pathotypes of *E. coli* by the GoldenGate, Universal Biosensor, and culture methods. (B) Samples that were positive for specific species. The heights of each histogram bar was calculated by dividing the number of samples where the pathogen was detected by the total number of samples. The bars are colored according to the proportion of cases and the proportion of controls.

nomic identification, a representative sequence from each OTU was aligned to the Ribosomal Database Project (RDP) (release 10.4 [see http://rdp.cme.msu.edu]) using BLASTN with long word length (-W 100) in order to detect only nearly identical sequences. A reference database of 16S rRNA gene sequences from known enteric pathogens was manually curated by extracting full-length 16S rRNA gene sequences from isolated genomes in the RDP (on 1 April 2011) for *Clostridium difficile*, *V. cholerae*, *V. parahaemolyticus*, *S. enterica*, *Salmonella* Enteritidis, *Salmonella* Typhimurium, *C. jejuni*, *C. coli*, *Helicobacter pylori*, and *Yersinia enterocolitica*. All sequences from each OTU were searched against the full RDP and the enteric pathogen subset using BLAST (best hit with similarity, ≥97%).

Statistical analysis. The percentages of samples positive for diarrheal pathogens in each method were determined by dividing the number of samples identified as positive by the total number of samples tested. Cohen's kappa was used to describe the agreement between two detection methods. Cohen's kappa is advantageous because it does not require the specification of a gold standard but simply quantifies the agreement between binary outcomes of tests (positive or negative), taking into account agreement occurring by chance (12). The kappa term ranges from −1 to 1 and can be negative if the agreement is less than what would be expected by chance. The following labels were assigned to the corresponding ranges of kappa strength: poor agreement, <0; slight, 0.0 to 0.20; fair, 0.21 to 0.40; moderate, 0.41 to 0.60; substantial, 0.61 to 0.80; and almost perfect, 0.81 to 1.00 (12, 13). All statistical analyses were performed using SAS version 9.2 (SAS Institute, Cary, NC).

RESULTS

Pathogen detection in stool samples. The frequency of detection of each pathogen varied from one method to the next (Fig. 1A and B). The comparisons were based on the percent frequency of detection in order to normalize the methods because different numbers of specimens were tested. We tested 3,610 stool samples with the culture method, 3,179 DNA samples with the Universal Biosensor method, 1,466 DNA samples with the GoldenGate method, and 1,006 DNA samples with the 16S rRNA gene survey method (Table 1). Although attempts were made to identify *V. cholerae* and *V. parahaemolyticus* on each sample, no method detected more than 10 specimens with these pathogens, so no comparisons were made. Identification of EHEC was attempted with only the Universal Biosensor method, so these results are not presented.

The pathotypes of *E. coli* and *Shigella* spp. were differentiated

TABLE 1 Demographic characteristics of enrolled children and detection methods by case and control status

Characteristics and detection methods	Cases (n = 1,500)		Controls (n = 2,110)		Total (n = 3,610)
	No.	%	No.	%	
Age group (mo)					
0 to <12	645	45.9	759	54.1	1,404
12 to <24	497	39.9	750	60.1	1,247
24 to 59	358	37.3	601	62.7	959
Site					
The Gambia	418	44.0	532	56.0	950
Mali	139	48.8	146	51.2	285
Kenya	694	44.2	875	55.8	1,569
Bangladesh	249	30.9	557	69.1	806
Male	834	41.3	1,187	58.7	2,021
Detection method					
Culture	1,500	41.6	2,110	58.5	3,610
16S rRNA gene survey	513	51.0	493	49.0	1,006
GoldenGate assay	678	46.3	788	53.8	1,466
Universal Biosensor assay	1,327	41.7	1,852	58.3	3,179

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on the basis of virulence genes specific to each subtype. As the 16S rRNA gene survey method does not detect virulence genes, it was not compared to the other methods for these pathogens. As seen in Fig. 1A, the culture-based method detected *Shigella* spp., EPEC, ETEC, and EAEC in a smaller proportion of the samples than either of the methods (GoldenGate or Universal Biosensor) based on detection of the virulence genes from DNA from whole stools. For *Shigella* spp., EPEC, and ETEC, the proportions of samples in which the virulence genes were detected were very similar for the Universal Biosensor and GoldenGate methods, while for EAEC, the GoldenGate method detected the virulence genes in a substantially higher proportion of samples.

Two pathogens, *C. jejuni* and *S. enterica*, could be detected by all of the four methods (Fig. 1B). *Aeromonas* spp. were detected by the culture-based method, the 16S rRNA gene survey, and the GoldenGate method, and *C. difficile* was detected by the 16S rRNA gene survey, the GoldenGate method, and the Universal Biosensor method. The Universal Biosensor method rarely detected *C. jejuni* and *C. difficile*, but it identified *S. enterica* in the highest proportion of cases. As with the pathotypes, the culture-based method consistently detected pathogens in fewer stool samples than did the GoldenGate method. The 16S rRNA gene survey method detected *C. jejuni*, *C. difficile*, and *S. enterica* in proportions similar to those detected by the GoldenGate method.

Shigella spp. and EPEC were detected relatively more consistently among the methods. Figure 2A and B shows Venn diagrams that highlight the numbers of *Shigella* spp. and EPEC identified by each method and the overlap of the methods. Generally, as the number of detection methods that positively identified the pathogen increased, so did the proportion of cases within that group.

Comparison between methods. The agreement between methods was determined by comparing the positive and negative results for each sample successfully tested by each possible pair of methods. The best agreement exceeding the threshold (0.41) for moderate agreement was observed in four instances; the Universal Biosensor and GoldenGate methods agreed on EPEC, ETEC, and *Shigella* spp., and the GoldenGate and 16S rRNA gene survey methods agreed on *C. jejuni*. Fair agreement (kappa values, 0.21 to 0.40) was observed between the GoldenGate and culture methods for five pathogens (EPEC, *Shigella* spp., *C. jejuni*, *Aeromonas* spp., and *S. enterica*), and between the Universal Biosensor and culture methods for two pathogens (EPEC and *Shigella* spp.). We found that the agreement between methods was higher in the cases than in the controls in 21 of the 27 possible comparisons (Fig. 3).

To determine whether there were any site-specific biases, kappa values were computed for the data from each individual site (Table 2). After a comparison across all four sites, the GoldenGate method appears to be the one that contributes to relatively high kappa values most frequently. The GoldenGate and Universal Biosensor methods detect pathogenic ETEC, EPEC, EAEC, and *Shigella* spp. at similar rates and at greater-than-conventional culture rates. The GoldenGate and 16S rRNA gene survey methods detected *Aeromonas* spp., *C. jejuni*, *Salmonella enterica*, and *Clostridium* spp. at similar rates, greater than the culture-based rates.

16S rRNA gene survey results. The survey detected a total of 97,666 nonunique OTUs. Of these, only 25,834 that were detected in more than 5 samples or had more than 20 sequences in at least 1 sample were included in further analyses. The number of OTUs per sample averaged 465.27 and ranged from 3 to 1,439. For the pathogens *C. jejuni*, *C. difficile*, *S. enterica*, and *Aeromonas* spp., representative 16S rRNA gene sequences were selected from the Ribosomal Database Project, and OTUs that varied by less than 2% from these sequences were assigned to that species. This was not done for OTUs matching *E. coli*, as *E. coli* strains can be either commensal or pathogenic. Seventy OTUs were designated *C. jejuni*, 8 *C. difficile*, 3 *S. enterica*, and 3 *Aeromonas* spp. *C. jejuni* was detected most often, being present in 25% of the total number of samples, with *C. difficile*, *S. enterica*, and *Aeromonas* spp. being present in 7%, 2%, and 2%, respectively.

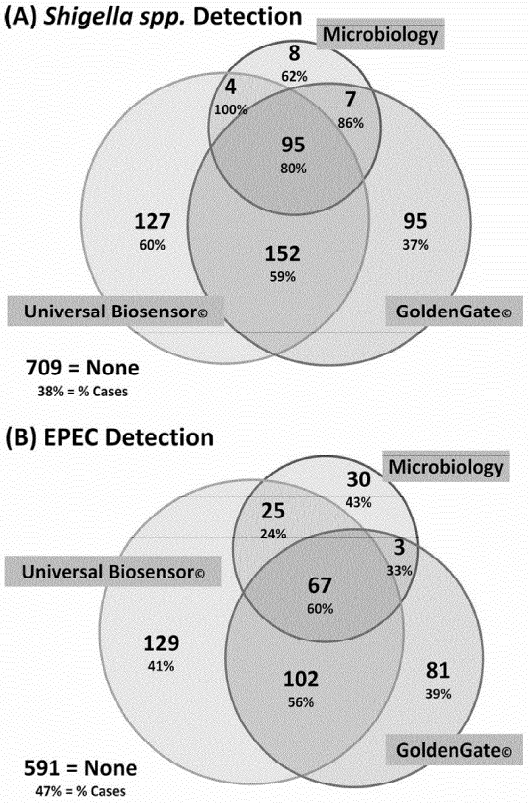

FIG 2 Venn diagram depicting identification overlap between methods. Each case and control sample was tested by all three methods. The top number in each sector represents the number of positive cases and controls identified by each method, and the lower percentage is the number of cases identified divided by the total number of samples (cases and controls) positive by each method. The size of the circle and overlap between circles are proportional to the categorical n values. (A) *Shigella* spp. (n = 1,197). In 709 samples, no *Shigella* sp. was detected. (B) EPEC (n = 1,028). In 591 samples, no method detected EPEC.

DISCUSSION

Culture-based methods are commonly used for detecting enteric pathogens, and in our hands, the standard tests detected many pathogens. It is notable, though, that there were numerous samples where the alternative molecular techniques detected the apparent presence of a pathogen despite the absence of that pathogen according to the standard clinical method. However, that same statement could be made for every other method as well; each method failed to detect a specific pathogen in a sample where one or more of the other methods did detect the same pathogen. *A priori* reasons abound for false positives and false negatives for

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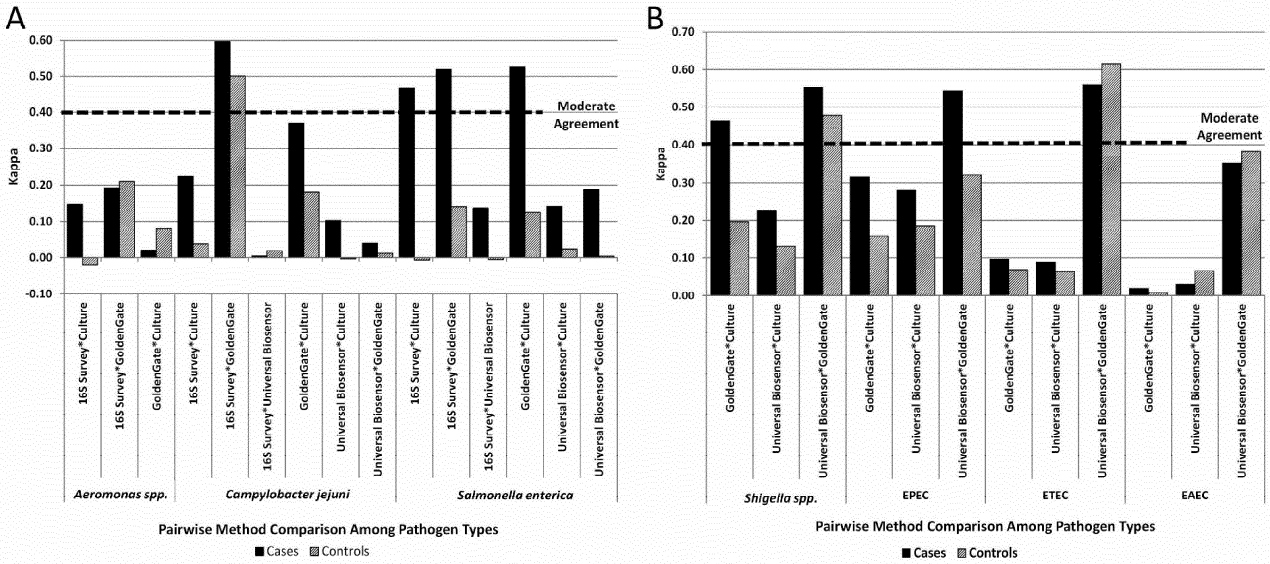

FIG 3 Agreement between methods among cases and controls for detection of pathogens. The kappa values between pairs of methods for individual pathogens are plotted. A moderate agreement between methods is marked by the dashed line (kappa > 0.41). (A) Kappa values for *C. jejuni*, *S. enterica*, and *Aeromonas* spp.; (B) kappa values between methods for pathotypes of *E. coli* and *Shigella* spp.

each of the methods; the potential sources include contamination, PCR failure, limits to detection, genetic variation, and complexity of the composition of the stools (14). Nevertheless, the different methods of detection often detect the same pathogen in the same stool sample, indicating that the methods have some agreement. We interpret these data to indicate that, at this time, there is no gold standard for detecting pathogens. The lack of a gold standard limits the analyses.

When the culture methods identified the target organisms, we were able to confirm that the microbes were truly present. However, a negative result may have been either true, because the organism was not present, or false, because (i) the organism did not grow as a result of inadvertent inhibition by the selective medium used, (ii) the specimen transport conditions compromised the organism, or (iii) laboratory inefficiencies were present. Published results and our own unpublished results revealed that testing a greater number of *E. coli* isolates (e.g., testing 5 colonies instead of 3 picked from a MacConkey plate) will increase the rates of recovery, thereby confirming the possibility of some false negatives (15). Compared to those of other methods, the culture-based results showed fair agreement with the GoldenGate method on *Aeromonas* spp., *C. jejuni*, and *S. enterica* and with both the Universal Biosensor and GoldenGate methods for EPEC and *Shigella* spp.

The Universal Biosensor and GoldenGate methods are the two most similar methods. Both methods detected EAEC, EPEC, ETEC, and *Shigella* spp. at much higher rates than did the culture-based method and had the highest rates of agreement for these pathogens. Each method starts with the specific hybridization of two primers to DNA and detects the same virulence genes, although with distinct primers, but they have limits of detection based on the ability of the primers to hybridize. Any sample with the specific DNA of interest below the detection limit will produce a false negative that may be overcome in the culture-based method, which has the potential to enrich and grow a bacterium from a single CFU. False positives will occur if the virulence genes, usually found on mobile elements, are found in bacteria other than the expected pathogen.

The sequence survey method is based on amplifying the 16S rRNA gene of bacteria using universal primers and then counting the presence of the different 16S rRNA gene sequences. In order to be counted, the bacteria must constitute $1/n$ or more (where n is the number of sequences counted) of the community. Since n is on average 3,900, the bacteria in question must be ~0.03% of the sample, and those near the cutoff level are also subject to sampling error (for an example, see Fig. 1B in reference 16). The method cannot distinguish among the pathotypes of *E. coli* and *Shigella* spp. However, the method did distinguish among *Aeromonas* spp., *C. jejuni*, *S. enterica*, and *C. difficile* as expected, and for the latter three, the method detected these pathogens at levels that were most similar to those of the GoldenGate method. The two methods revealed moderate agreement for *C. jejuni*. The Universal Biosensor method for detecting *C. jejuni* and *C. difficile* is based on the detection of 16S rRNA genes, and the underestimation of these pathogens is likely the result of the complexity of the stool samples such that even in samples from cases, the sequence-based method yielded extremely large numbers of distinct 16S rRNA gene sequences. The amplification of the whole sample for the sequencing approach raises the question of whether an alternative approach, like complete shotgun sequencing using next-generation sequencing, would detect taxa similar to those detected by the other methods.

The agreement between methods was consistently greater in cases than in controls. Almost certainly this observation can be attributed to the higher concentration of a pathogen in the cases than in the controls and to the fact that the higher the concentration the more likely a pathogen is to be detected. Quantification of the level of pathogens in the stool may improve the ability to accurately diagnose the cause of the diarrhea (17). This may have particular importance as the increased levels of detection (seen in

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TABLE 2 Kappa agreement values stratified by country and case/control status

Organism[a]	Kappa agreement value[b] for organisms detected in: The Gambia	Mali	Kenya	Bangladesh	Cases	Controls	Overall kappa value
Aeromonas							
16S survey*Micro				0.1290	0.1806	−0.0234	0.1014
16S survey*Illumina	−0.0056	−0.0196	**0.4439**	−0.0231	0.1814	0.1859	0.1827
Illumina*Micro				0.0735	0.0216	0.0816	0.0587
Campylobacter							
16S survey*Micro	0.0843	0.0060	0.1399	**0.4482**	0.2229	0.0356	0.1538
16S survey*Illumina	**0.5812**	**0.5722**	**0.5315**	**0.5338**	**0.5920**	**0.4846**	**0.5574**
16S survey*Ibis	0.0189	−0.0096	0.0229	0.0000	0.0048	0.0191	0.0106
Illumina*Micro	0.0864	0.0356	0.3363	0.5493	0.3715	0.1799	0.2711
Ibis*Micro	−0.0059	−0.0063	0.0581	0.0354	0.1023	−0.0032	0.0421
Ibis*Illumina	0.0083	−0.0115	0.0517	0.0652	0.0402	0.0125	0.0271
Salmonella							
16S survey*Micro	0.1500	0.1931	0.2207	−0.0278	0.2245	−0.0177	0.1603
16S survey*Illumina	0.0279	**0.5588**	**0.5007**	−0.0386	0.3103	0.0775	0.2379
16S survey*Ibis	0.0338	0.1563	0.0951	0.0446	0.1449	−0.0041	0.0778
Illumina*Micro	0.1577	0.3932	0.5903	0.5376	**0.5246**	0.1242	0.3691
Ibis*Micro	0.0344	0.0625	0.0957	0.0128	0.1419	0.0252	0.0725
Ibis*Illumina	−0.0062	**0.4182**	0.1589	−0.0183	0.1870	0.0038	0.0855
Shigella spp.							
16S survey*Micro	0.1080	0.0280	−0.0108	0.0921	0.0057	0.0002	0.0311
16S survey*Illumina	0.0361	0.0499	0.0383	0.1167	0.0004	−0.019	0.0303
16S survey*Ibis	0.3372	0.2857	0.2192	0.077	0.2723	0.1345	0.2487
Illumina*Micro	0.2519	0.1492	0.3458	**0.5672**	**0.4646**	0.1969	0.3835
Ibis*Micro	0.1634	0.0922	0.1469	**0.4129**	0.2280	0.1325	0.2027
Ibis*Illumina	**0.5119**	**0.4904**	**0.5024**	**0.6112**	**0.5548**	**0.4790**	**0.5388**
EPEC							
Illumina*Micro	0.0620	0.3155	**0.4783**	0.1970	0.3156	0.1573	0.2341
Ibis*Micro	0.1858	0.2128	0.2164	0.3357	0.2778	0.1856	0.2247
Ibis*Illumina	0.3692	**0.6856**	**0.4991**	0.2276	**0.5438**	0.3206	**0.4278**
ETEC							
Illumina*Micro	0.0830	0.1223	0.0520	0.0729	0.0964	0.0686	0.0811
Ibis*Micro	0.0547	0.0732	0.0796	0.1173	0.0882	0.0637	0.0753
Ibis*Illumina	**0.5642**	**0.5884**	**0.6175**	**0.5696**	**0.5614**	**0.6165**	**0.5909**
EAEC							
Illumina*Micro	0.0013	0.1280	0.0245	0.0216	0.0193	0.0076	0.0129
Ibis*Micro	0.0565	0.0258	0.0439	0.0726	0.0302	0.0653	0.0514
Ibis*Illumina	0.3064	0.3284	**0.4279**	**0.4353**	0.3523	0.3820	0.3689

[a] Micro, microbiology; 16S survey, 16S rRNA gene survey; Illumina, Illumina GoldenGate assay; Ibis, Ibis Universal Biosensor assay. *, pairs of methods were compared.
[b] Agreement: fair, 0.21 to 0.40 (underlined); moderate, >0.40 (bold). Cells without data indicate a zero cell count.

the Golden Gate and Universal Biosensor methods) will mean that multiple pathogens will be detected in an increasing number of stool samples. The proportion of hospitalized patients in Kolkata, India, with multiple pathogens using cultures was approximately 30%, and when multiple pathogens were present, there were often strong associations between them (18, 19). With the GEMS revealing many pathogens in control stool samples, quantitation of pathogens may be an important diagnostic criterion.

In conclusion, our results demonstrate that traditional culture-based methods underestimate the numbers of stool samples in which specific enteric pathogens can be detected compared with those by the alternative molecular methods. Not surprisingly, the alternative methods based on detection of specific unique genes produced the most similar results. Methods based on 16S rRNA gene sequences had distinct limitations. However, in the absence of a gold standard, replication and consistency between methods become important criteria. The GoldenGate method revealed the greatest agreement with the other methods. However, improvements in terms of targeted genes and the ability to quantify the number of pathogens present would enhance the usefulness of the method used for diagnosis.

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The use of trade names and commercial sources is for identification only and does not imply endorsement by the Centers for Disease Control and Prevention or the U.S. Department of Health and Human Services. The findings and conclusions in this presentation are those of the authors and do not necessarily represent those of the Centers for Disease Control and Prevention.

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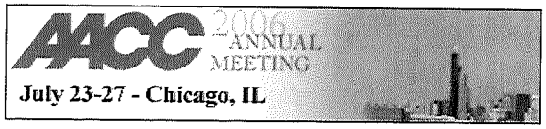
Exhibit 56

OEM Lecture Series



In these brief presentations, OEM manufacturers present new technologies that may be of interest to industry scientists and R&D executives for inclusion in their new products. Admission is free—but participants must be registered for the Annual Meeting.

Tuesday, July 25, Room 403B, McCormick Place Convention Center

8:00am
The use of nanometer paramagnetic microspheres in immunoassay
Author information: Herb Chow
Organization: Magna BioSciences, LLC

8:20am
Powered by Affymetrix. Developed and Marketed by You
Author information: Cris McReynolds
Organization: Affymetrix, Inc.

8:40am
Mid-IR spectroscopic laser systems for clinical and laboratory applications
Author information: Chad B. Roller
Organization: Ekips Technologies, Inc.

9:00am
Digital Microbead Technology for Multiplex Assays
Author information: Mickie Henshall
Organization: Illumina

9:20am
Customized quality control materials
Author information: Canning, A.
Organization: Randox Laboratories Ltd.

9:40am
Antisera assay components
Author information: Dempsey, C.
Organization: Randox Laboratories Ltd.

10:00am
Innovative technology for rapid development of highly specific monoclonal antibodies
Author information: Joanne Crowe
Organization: Antibodies by Design – A Division of MorphoSys

10:20am
Introducing the LAMPIRE™ Cell Culture Bag, an elegantly simple approach to growing cells
Author information: John Malinowski
Organization: Lampire Biological Laboratories

10:40am
MagaZorb Ò , a "one kit" solution for nucleic acid isolation
Author information: Beverly A. Cormier
Organization: Cortex-Biochem

11:00am
Multiplexed genotyping of CYP450 2C9 and VKORC1 polymorphisms, associated with warfarin dosage using the INFINITI™ Analyzer.
Author information: Michael Phillips, Ram Vairavan

Organization: Genome Quebec / AutoGenomics

Wednesday, July 26, Room 403A, McCormick Place Convention Center

8:00am
ExpressPartsT offers injection molded prototype parts in days not weeks at production quality
Author information: Jenkins, S.M., O'Brien, D.J.
Organization: Metro Mold & Design, Inc.

8:20am
Full OEM manufacturing capability from development to production
Author information: Raymond Tarr
Organization: Idaho Technology

8:40am
Managing Projects From Afar: Building Strong Relationships with OEM Partners
Author information: Mary Wojtas
Organization: Abbott Laboratories

9:00am
Effect of Membrane Thickness on Assay Performance
Author information: Gupta, A., Gupta, N.K.
Organization: Advanced Microdevices Pvt. Ltd.

9:20am
A lateral flow assay format which discriminates between two antigenically similar analytes
Author information: O'Luanaigh, N., Carney, J.
Organization: BBInternational

9:40am
Improving Assay Sensitivity by Sample Preparation
Author information: Kevin Jones
Organization: Whatman Inc

10:00am
Rapid test devices – more portable, more convenient to use, and better results
Author information: Liang, G., Brown, J.V. Fan, J.C.
Organization: Acro Biotech, LLC

10:20am
A new automated QMS Ò Lamotrigine immunoassay
Author information: Melissa Wall
Organization: Seradyn, Inc.

10:40am
Verification of a new photometer system using ReagentStrip™
Author information: Ivars Jaunakais, Ray, Howard
Organization: Industrial Test Systems, Inc.

11:00am
High Volume Manufacturing of Organic Microfluidic Substrates for Point of Care Testing
Author information: Denny G. Aeschliman
Organization: 3M Electronics

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Exhibit 301

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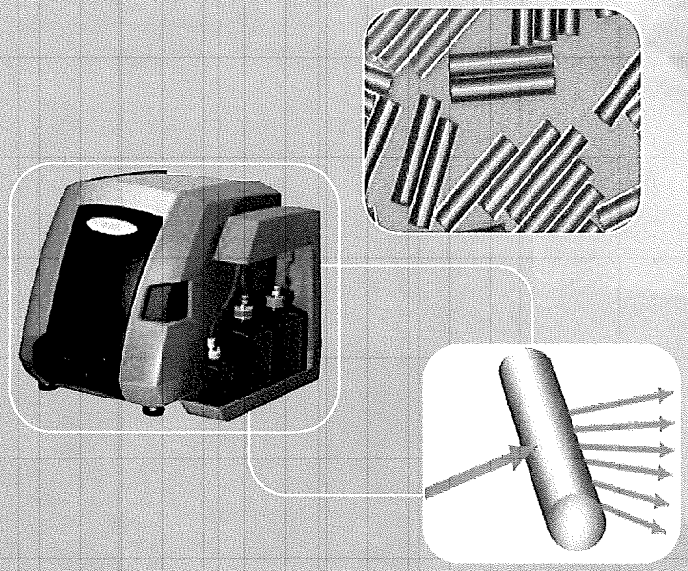
making sense out of life

Introduction to Illumina's VeraCode Technology

PRESENTED BY:

David Barker
VP and CSO



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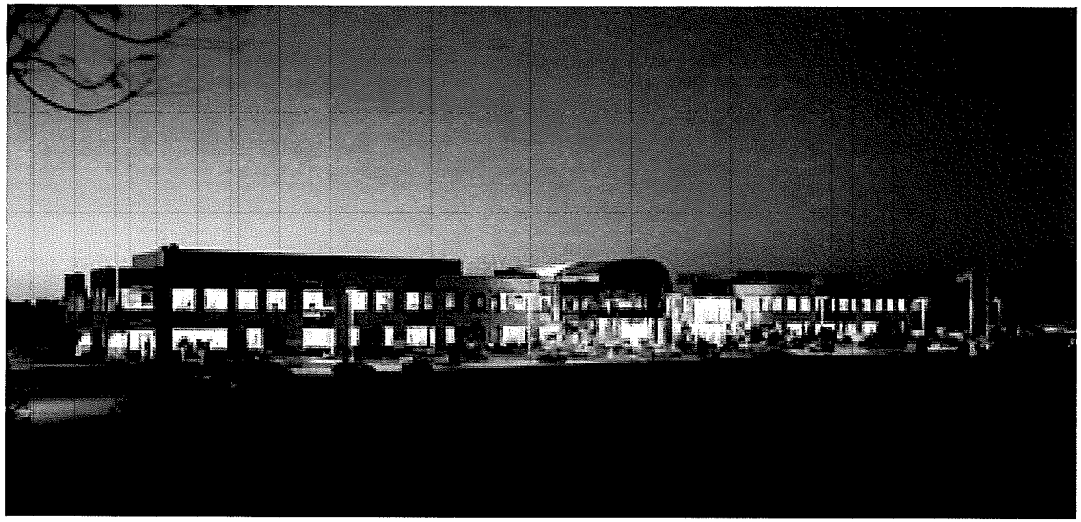
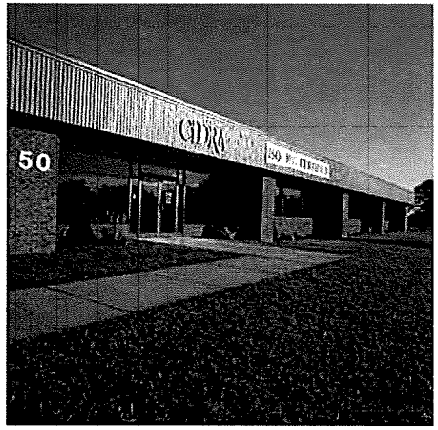
Corporate Summary

- Founded: May 1998 - Traditional venture-funded start-up
- IPO: July 2000 – Raised $103M
- Headquarters: 110,000 Sq. Ft., San Diego (Headquarters)
- Illumina-East 15,000 Sq. Ft., Connecticut
- Employees: >450 worldwide



San Diego, CA

Wallingford, CT



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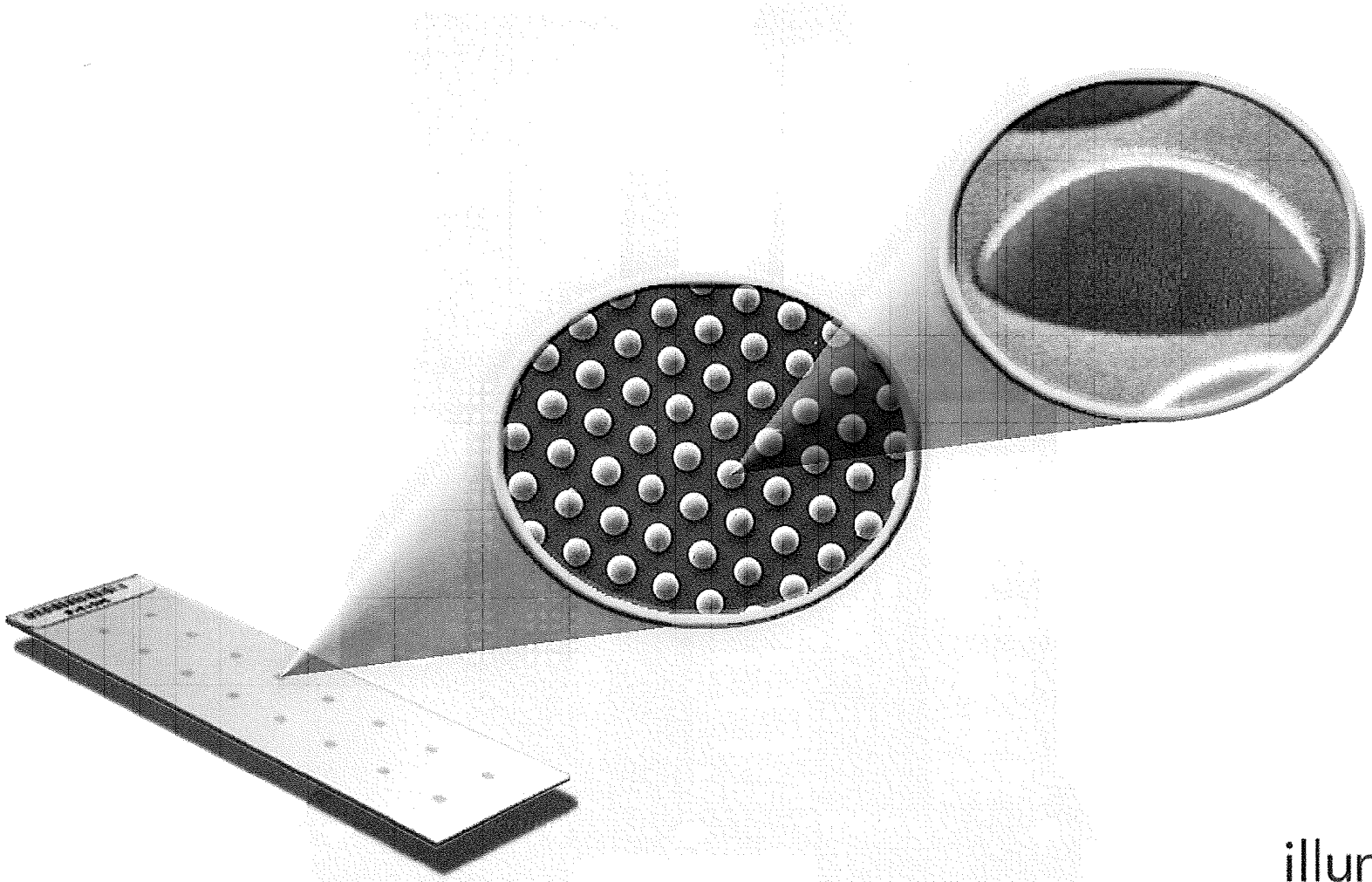
Illumina's Core BeadArray Technology



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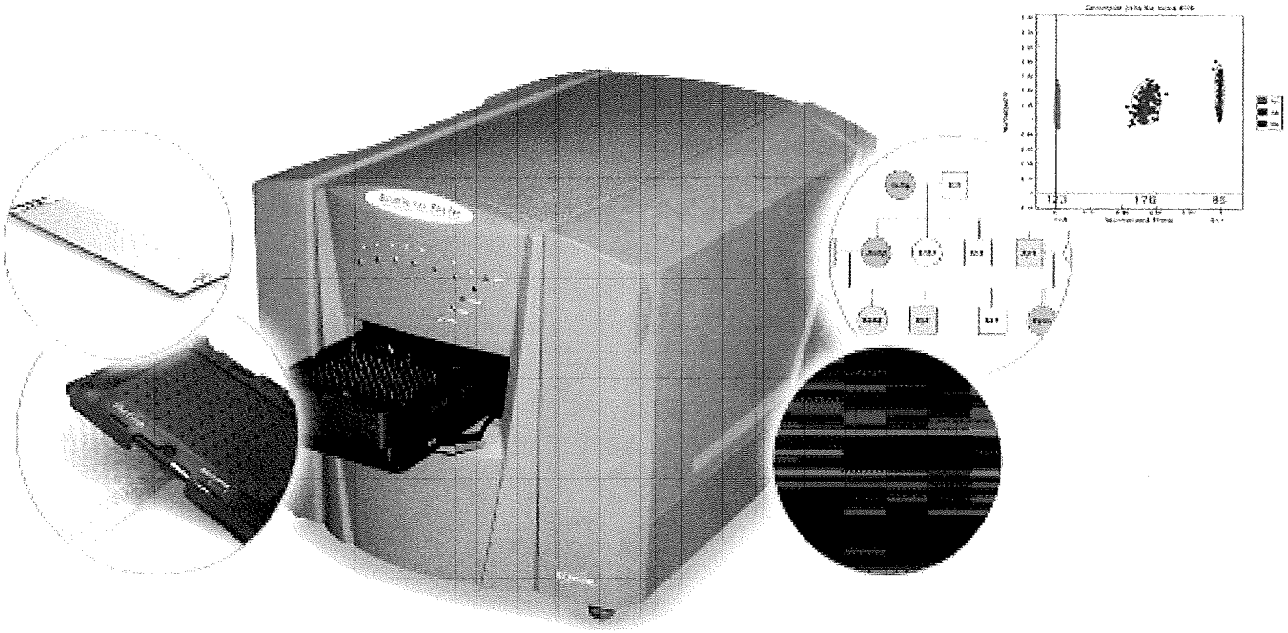
BeadStation 500

Powerful & Economical BeadArray™ Platform



- Confocal laser scanning system
- Resolution, 0.8 micron
- Dual line - lasers at 532 & 635nm
- Fully automated operation
- Compact bench top system

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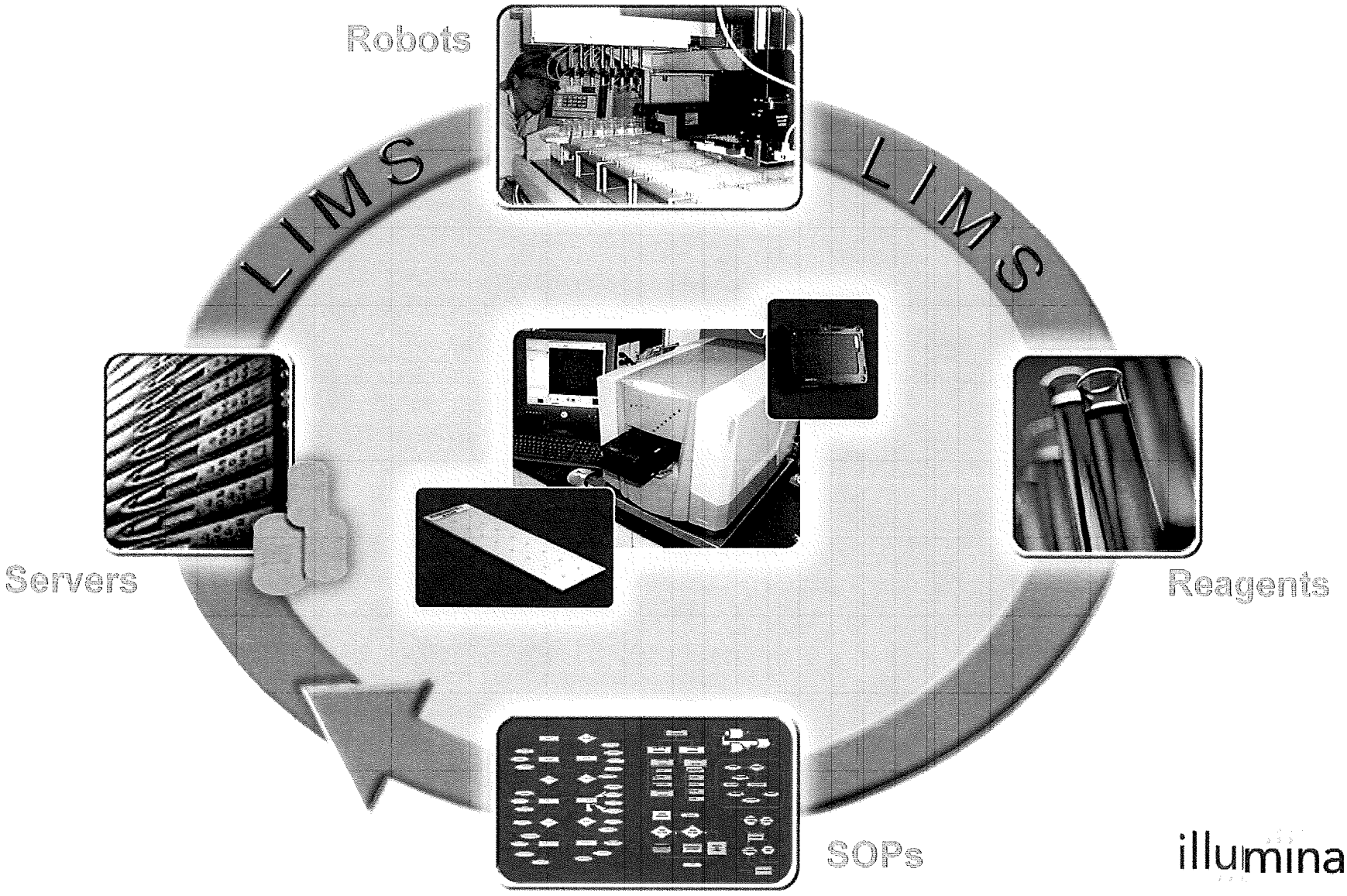
Illumina BeadLab – End-to-End, Turnkey Laboratory



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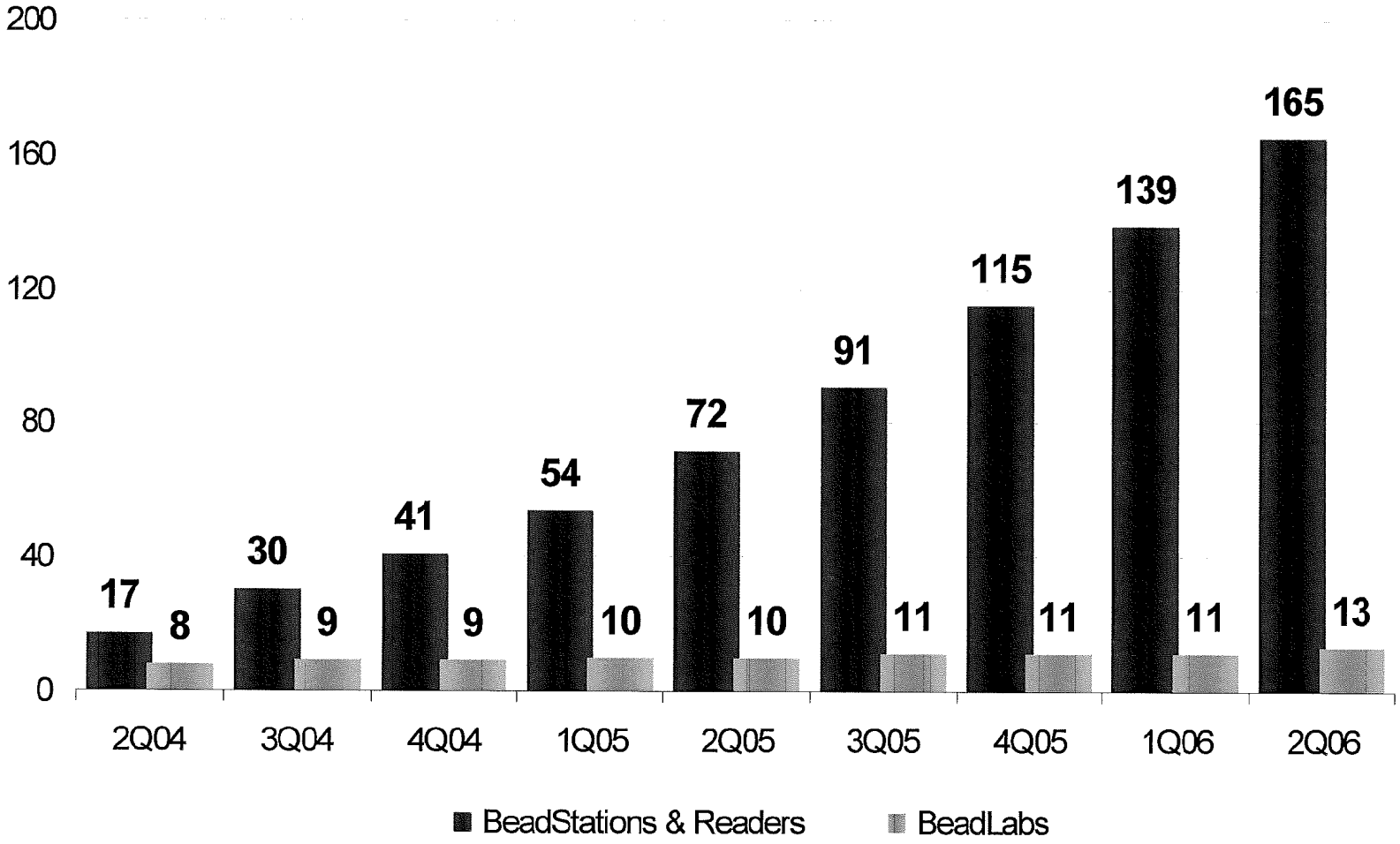
Cumulative BeadLab/BeadStation Shipments



- Shipment of 28 Scanners in 2Q06, including 2 BeadLabs
- Total cumulative shipments of 165 BeadStations & Readers and 13 BeadLabs

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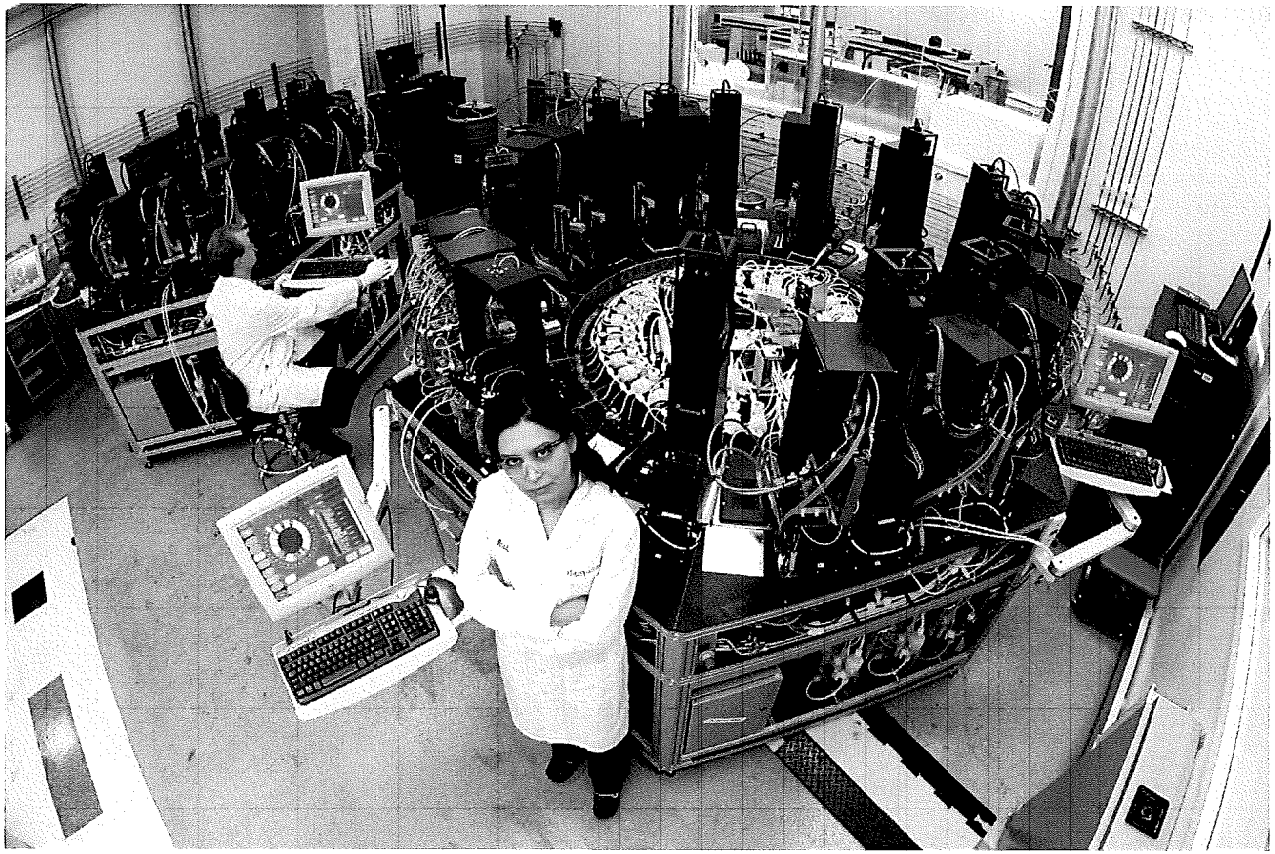
Oligator Synthesis Factory

- Microarrays and assays need lots of oligonucleotides
- New 4th generation synthesizers can supply worldwide oligo needs
  - 13,824 oligos per run; 2 million bases/day
- Invitrogen partnership
  - Leverages IVGN sales and marketing and ILMN manufacturing



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Recent Deal Summary in Healthcare

Customer	Disease(s)	Sample #	Product(s)
Children's Hospital of Philadelphia	All Patients and Parents	30,000	HumanHap550
deCODE	CV, Type 2 Diabetes, Cancer	Confidential	Infinium through BeadXpress
SAIC-Frederick/NCI	Prostate cancer	>2,500	HumanHap300
Max Planck	CNS	Confidential	Human-1 HumanHap300
PARC	CV/statin response	>2,200	Human-1 HumanHap300 Custom Infinium
Cancer Research UK	Colorectal cancer	>4,000	HumanHap300 HumanHapS
CIDR	Type 2 diabetes	>2,500	HumanHap300
Genizon	15-20 common	>16,000	HumanHap300 Custom Infinium
North Shore LIJHS	IBD consortium	>2,000	HumanHap300

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Market Needs

ARRAY DENSITY

R&D/DISCOVERY

5K to 650K

- Basic biology of disorders, pathways, hormonal signaling
- Overall genetic functionality & regulatory network
- SNP/Haplotype Discovery/Mapping

FOCUSED ASSAYS (PHARMA & BIOTECH COS.)

100 to 5K

- Drug pathway validation
- Drug-drug interaction
- Identify specific genes of interest, e.g. drug pathways, etc.
- Focused SNPs/Haplotypes

100 to 500

- Drug efficacy
- Patient stratifications
- Clinical trials
- Disease staging & subtyping
- Clinical trial patient selection

BIOMARKER VALIDATION

DIAGNOSTICS

1 to 100

- POC Molecular diagnostics R&D
- Targeted treatment
- Personalized medicine
- Theranostics

CLINICAL SCREENING

MOLECULAR DIAGNOSTICS

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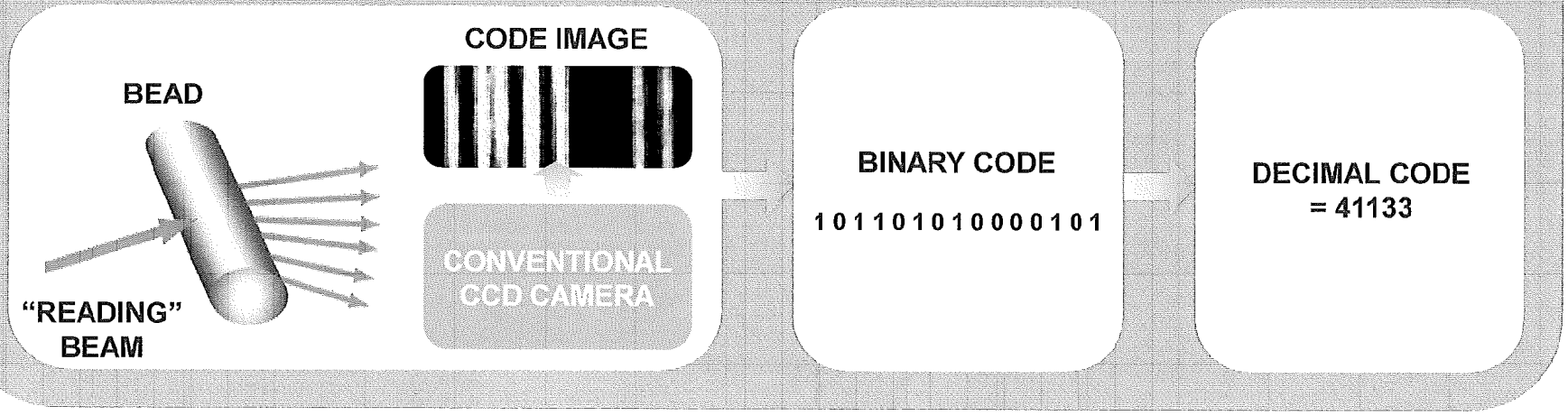
VeraCode Technology

CODE GENERATED BY CREATING EMBEDDED HOLOGRAPHIC DIFFRACTIVE ELEMENTS



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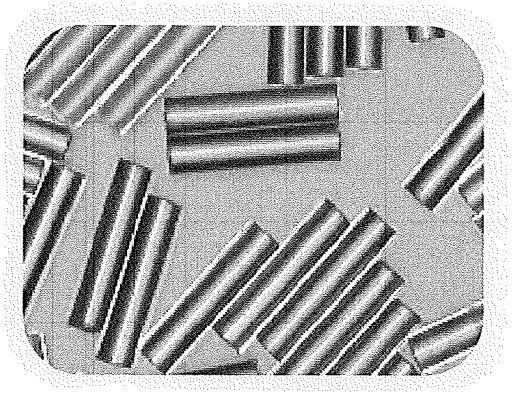

- Glass Surface of Beads Ideal for Bioassays
- High Density Codes Easily Imprinted (24 bit)
- Virtually Unlimited Multiplexing

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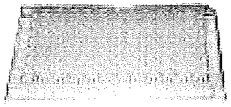
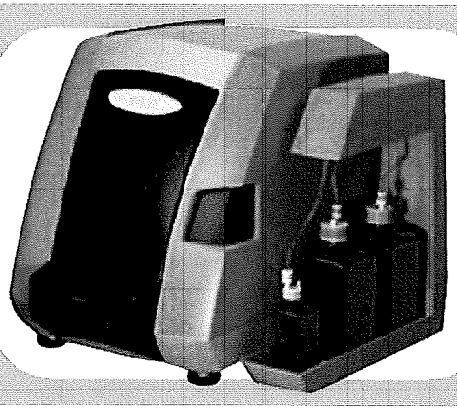
BeadXpress Reader

ASSAY BEAD KIT

SAMPLE PLATE



ASSAY CODE LIBRARY



DATA & LOG FILES

INSTRUMENT SPECIFICATIONS

SAMPLE DELIVERY FORMAT	Standard 96-well plate
MULTIPLEXING PER SINGLE WELL	1 to 384
THROUGHPUT	120 samples/hr at 10-plex 80 samples/hr at 96-plex
DETECTION	Optional 1 or 2 color detection
AUTOMATION	Designed to be compatible with standard laboratory automation LIMS compatible

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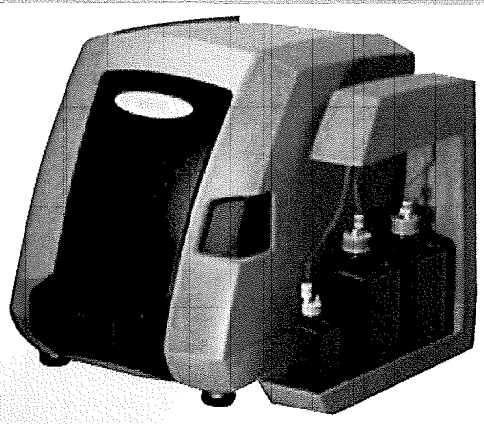
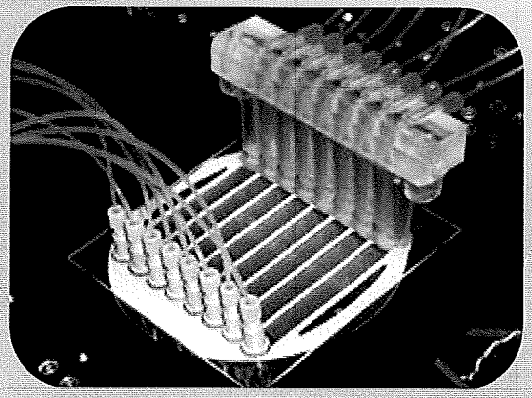
VeraCode Technology

EIGHT WELLS ARE SAMPLED SIMULTANEOUSLY AND MICROBEADS ARE TRANSFERRED INTO A MULTI-SECTORED READER CELL.





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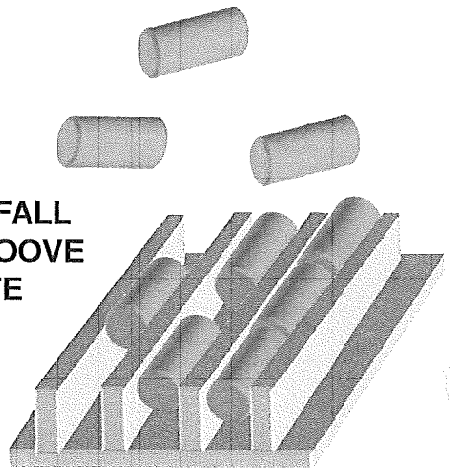
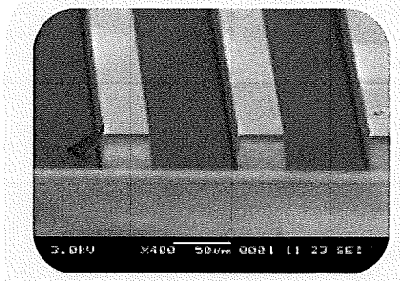
VeraCode Technology

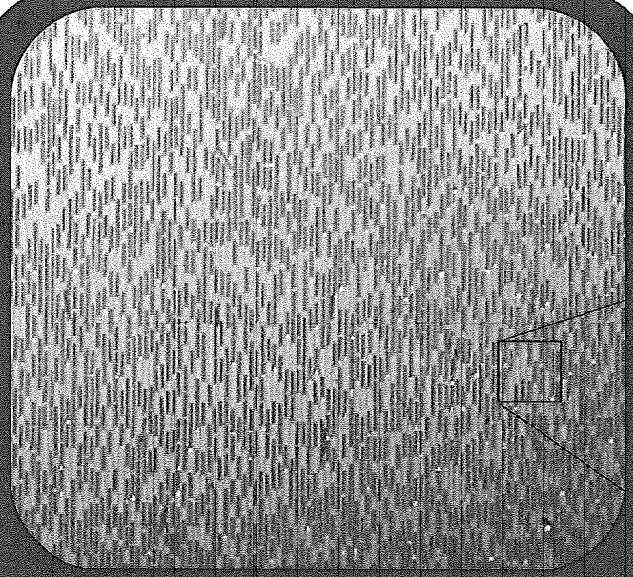
CAPILLARY FORCE ATTRACTS BEADS INTO GROOVES

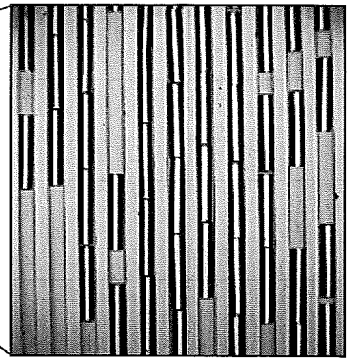


BEADS FALL INTO GROOVE PLATE



GROOVE PLATE CROSS-SECTION





BEADS ALIGN TIGHTLY FOR OPTIMAL SCANNING EFFICIENCY

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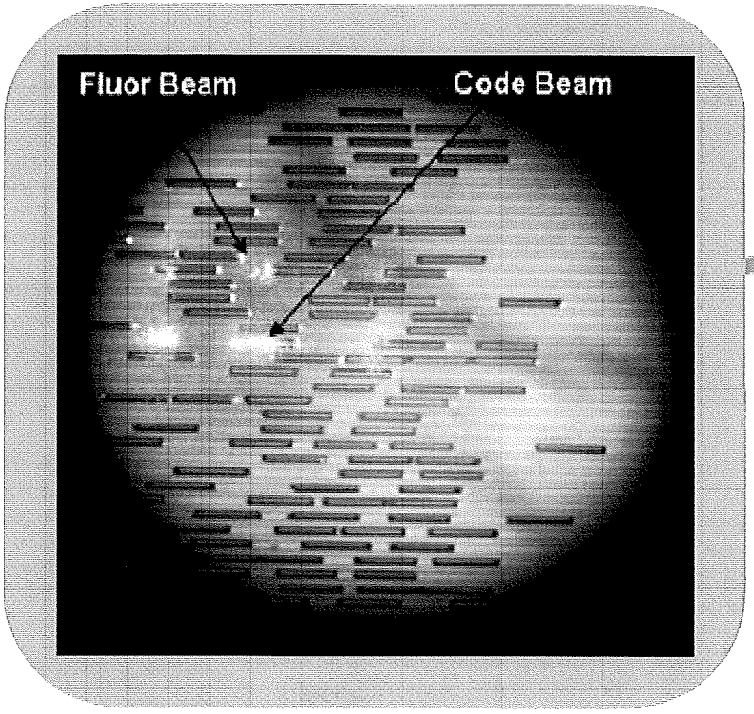
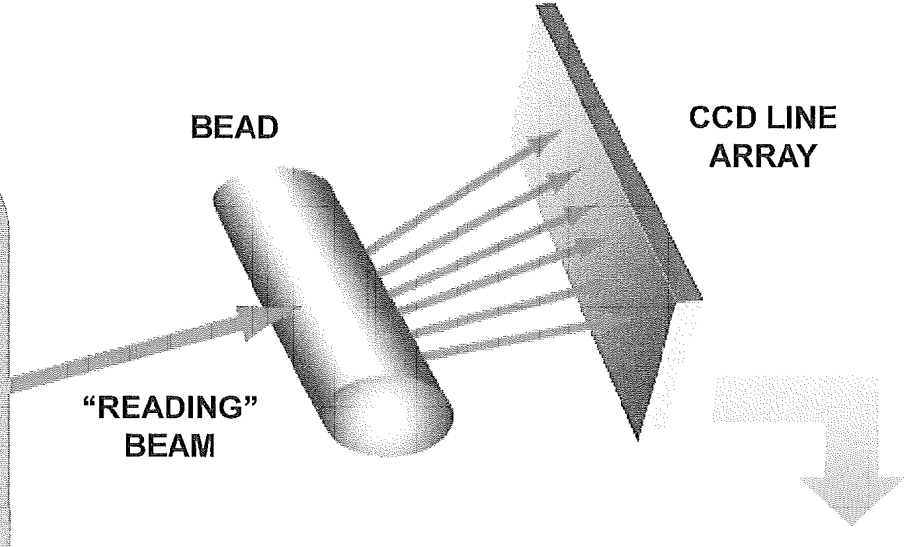
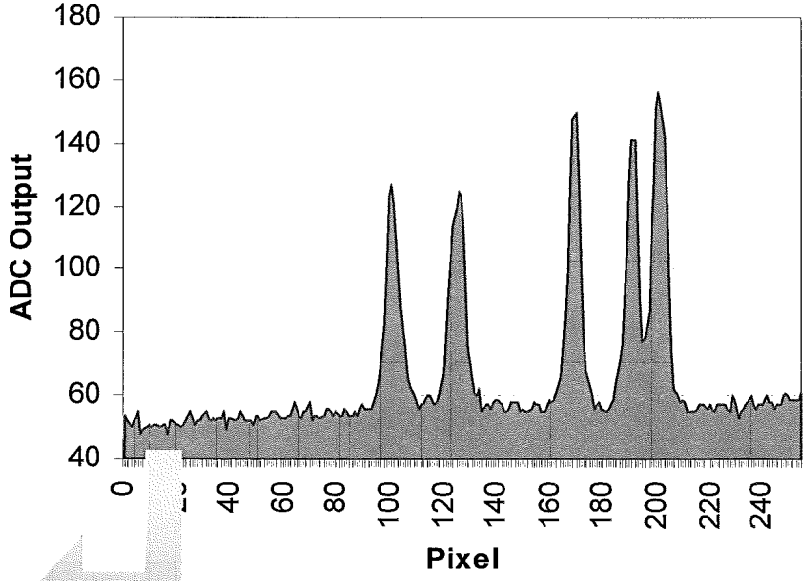
Code Detection







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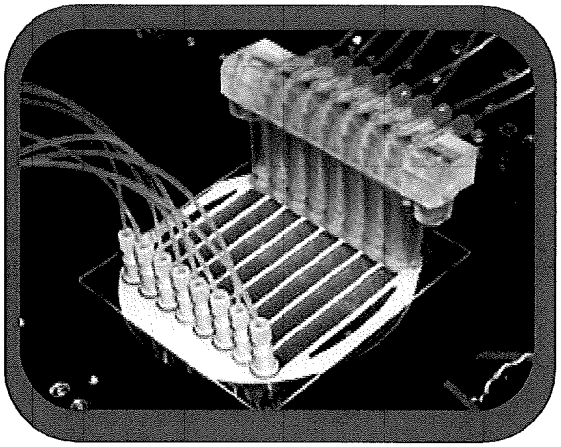
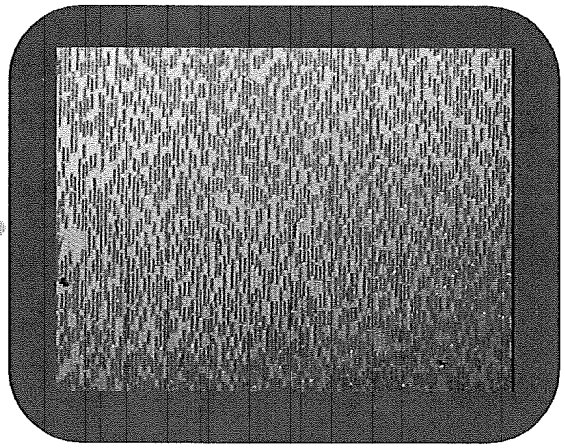
VeraCode Technology

FOLLOWING READOUT, THE BEADS ARE FLUSHED FROM THE READER CELL USING A SECOND ACTUATION PRESSURE CYCLE.





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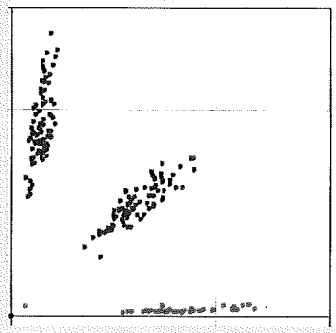
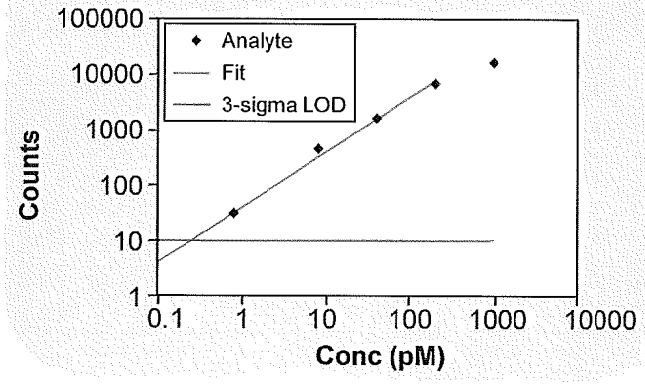
A Flexible Platform for Multiple Applications

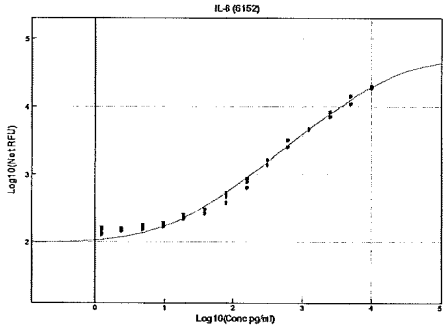
GENOTYPING



GENE EXPRESSION



PROTEIN EXPRESSION



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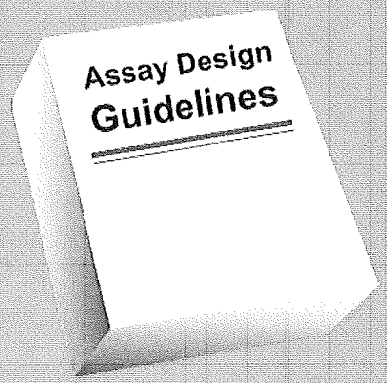
Products in Development

CARBOXYL BEAD SETS (PROTEIN BASED ASSAYS)

IN DEVELOPMENT

Unique Bead Code Types in Tubes

GUIDELINES



Assay Design Guidelines (RUOI)

CUSTOMER DEVELOPED HOMEBREW

Customer controls level of multiplexing and number of samples

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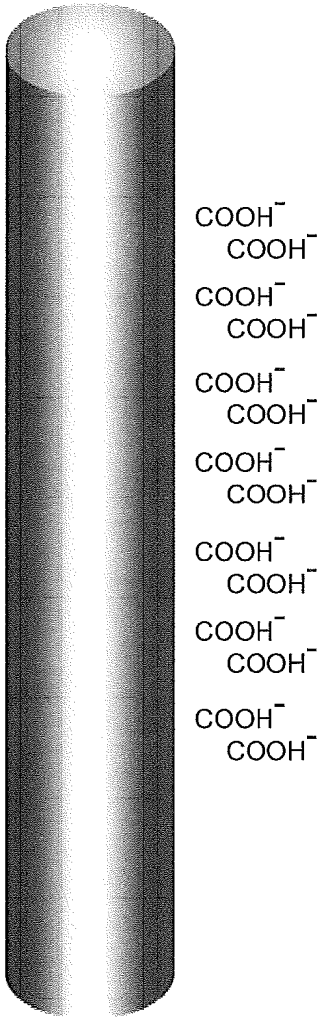
Carboxylated Beads



PROTEIN ATTACHMENT: TWO-STEP PROCESS

Activate Surface → EDC/Sulfo-NHS → Covalently Bind

Antibodies
Antigens
Peptides
Streptavidin

- Fast
- Robust
- Inexpensive
- Stable

NUCLEIC ACID ATTACHMENT: ONE-STEP PROCESS

EDC/Sulfo-NHS plus NH^{2+}Oligo

Nucleic Acids

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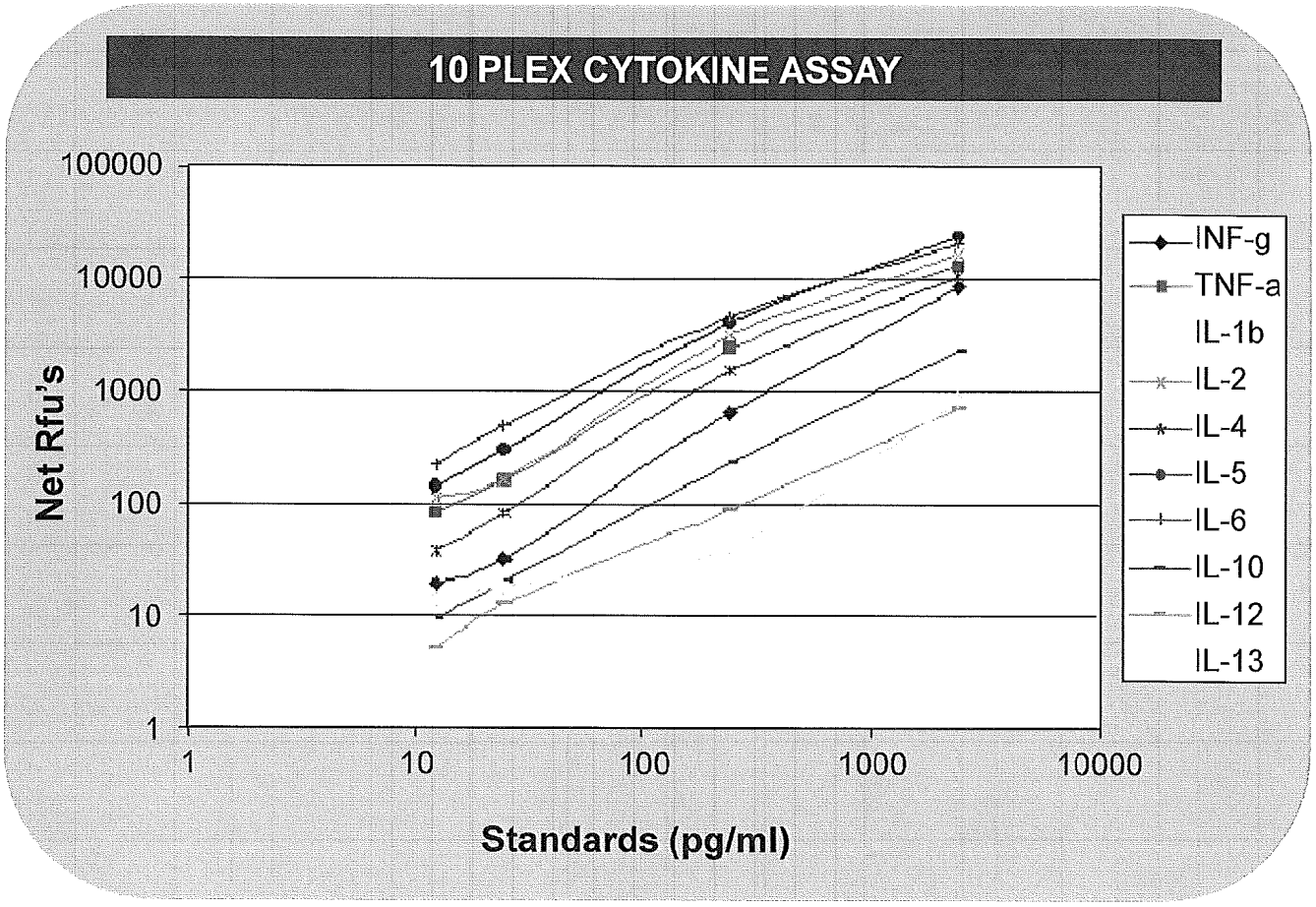
10-plex Cytokine Sensitivity Panel

- Antigen in PBS/1% BSA buffer
- 1 hour reaction time (antigen)
- Sensitivity exceeds 25 pg/mL
- Overall Plate CVs < 10.6%



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Products in Development

UNIVERSAL CAPTURE BEAD SETS

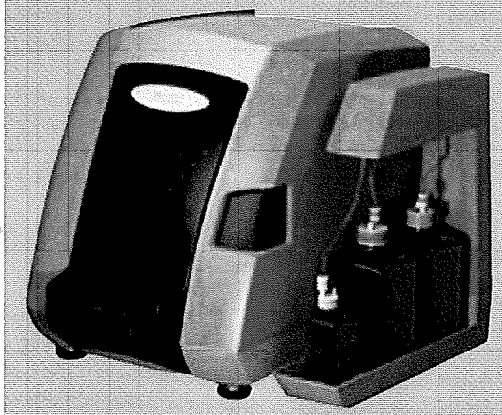
IN DEVELOPMENT

Unique Bead Code Types in Tubes

GUIDELINES

Assay Design Guidelines (RUO)

CUSTOMER DEVELOPED HOMEBREW



Customer controls level of multiplexing and number of samples

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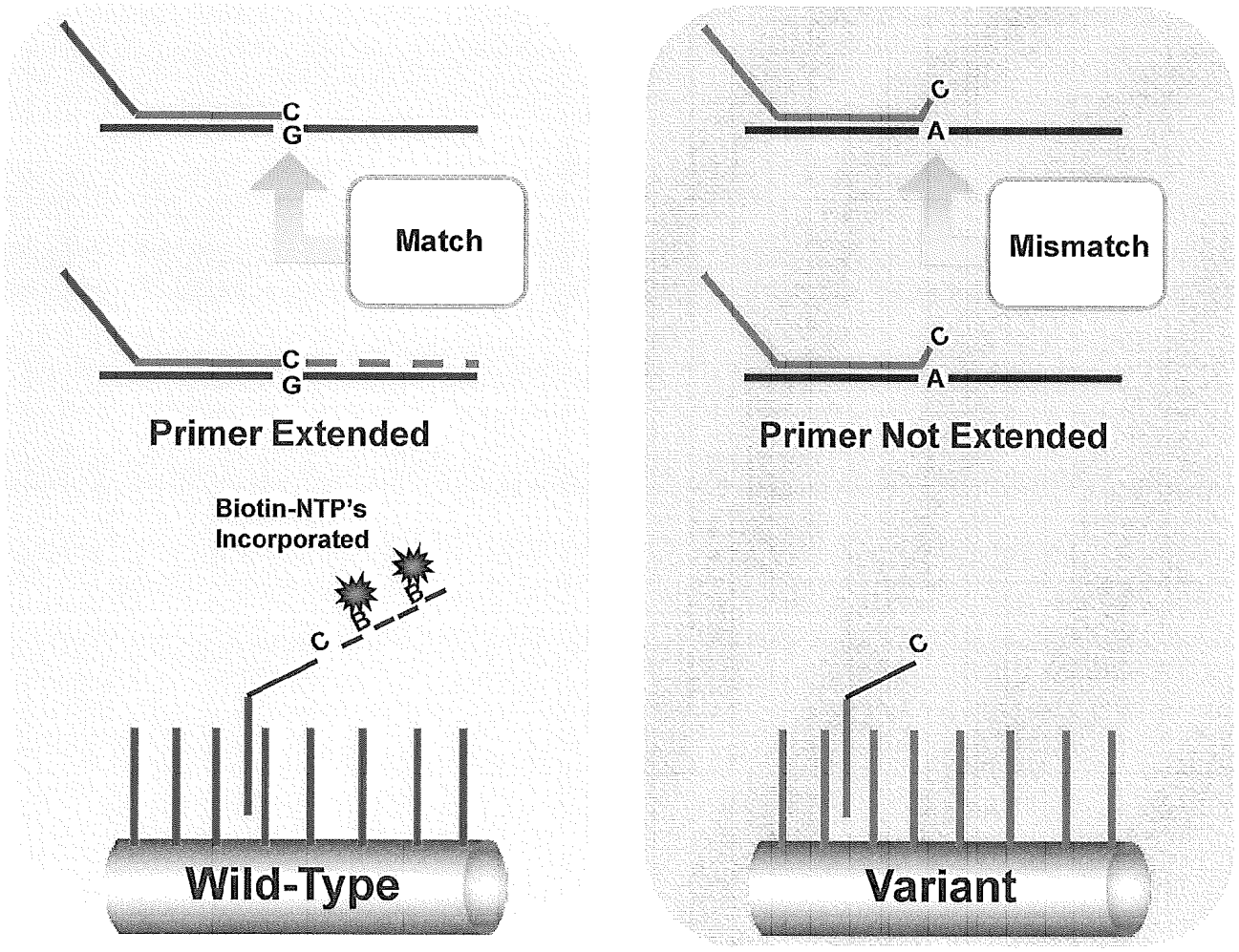
Multiplex Genotyping Example

ALLELE-SPECIFIC PRIMER EXTENSION (ASPE)



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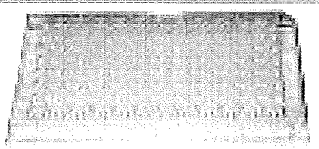
Products in Development

GOLDENGATE GENOTYPING ASSAY (96 & 384-PLEX)

IN DEVELOPMENT



Beads Pooled in 96-well Plates

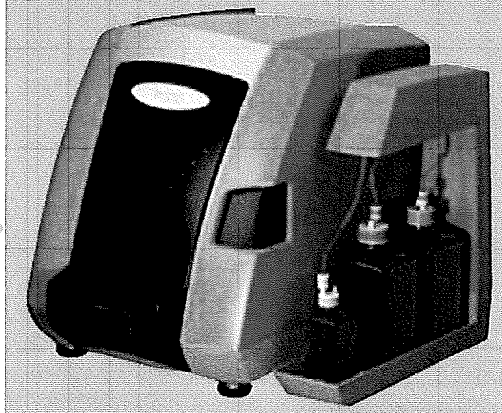
(96 & 384-plex/well)

OPAs
+
Reagents

USER MANUAL

GoldenGate Genotyping User Manual (RUO)

GOLDENGATE GENOTYPING



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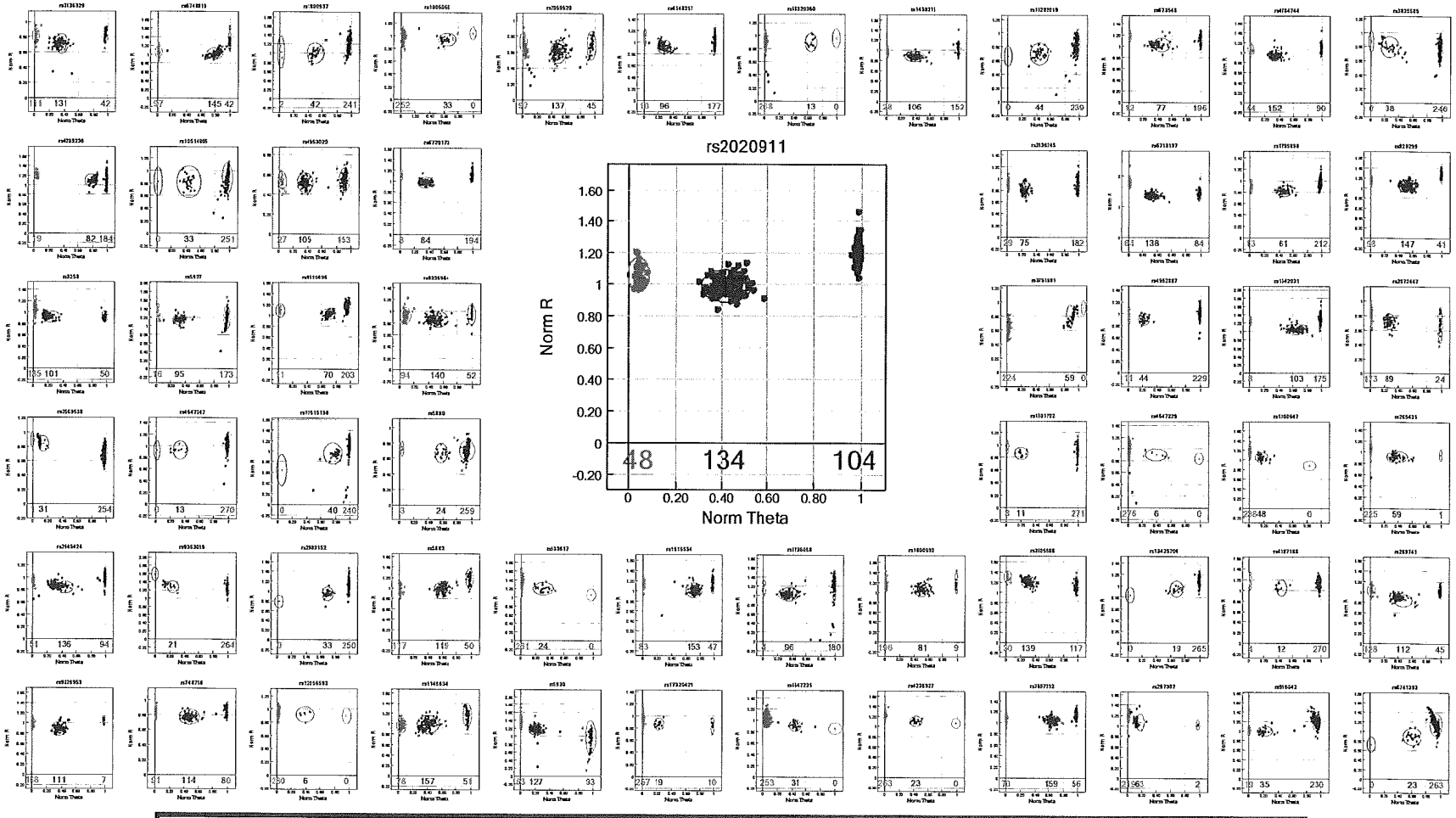
GoldenGate Assay Results



Reaction Multiplex	Samples Tested	Call Rate	Total # of Data Points	Reproducibility	Heritability
96	286	99.2%	41,184	100%	100%

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VeraCode Technology

MULTIPLEXED ASSAY FLEXIBILITY

MOLECULE(S)	ASSAY FORMAT	ASSAY
Nucleic Acid	Multiple Formats: GoldenGate ASPE, SBE, OLA, etc.	Genotyping Gene Expression Infectious Disease
Antibodies	Standard 'Sandwich' Sample Prep	Cytokine, ID CD4/CD8
Antigens	Direct Competitive Confirmatory	Total IgE Infectious Disease
Peptides	Direct Competitive	Specific IgE
Binding Proteins (streptavidin)	Sample Prep	Cell Surface Markers Nucleic Acids

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Technology / Platform Synergy

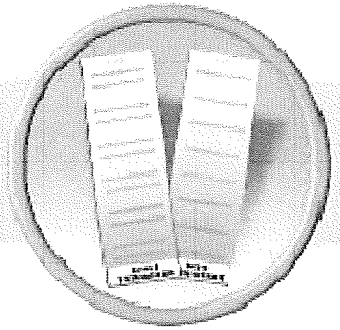
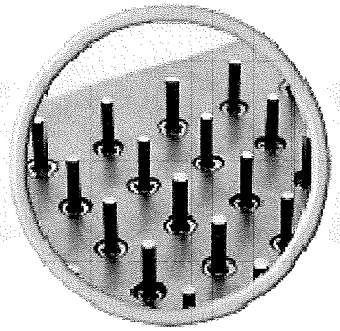
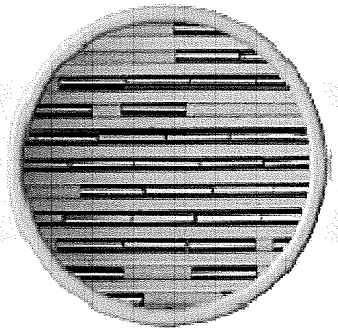
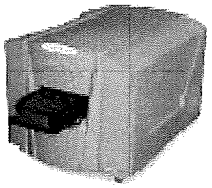
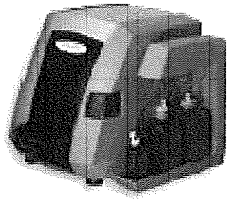
Discovery Research	Focused Research	Molecular Diagnostics
		
• WG genotyping • WG expression • Biomarker discovery • Future WG applications	• Custom genotyping • Focused expression • DASL • Biomarker validation	• Low/mid density GT/GEX • Protein applications • Biomarker screening • Biomarker panels
		
Decoded Beads	**Digitally Coded Beads**	

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Exhibit 302

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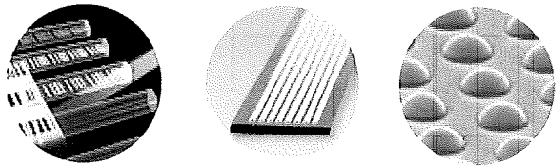

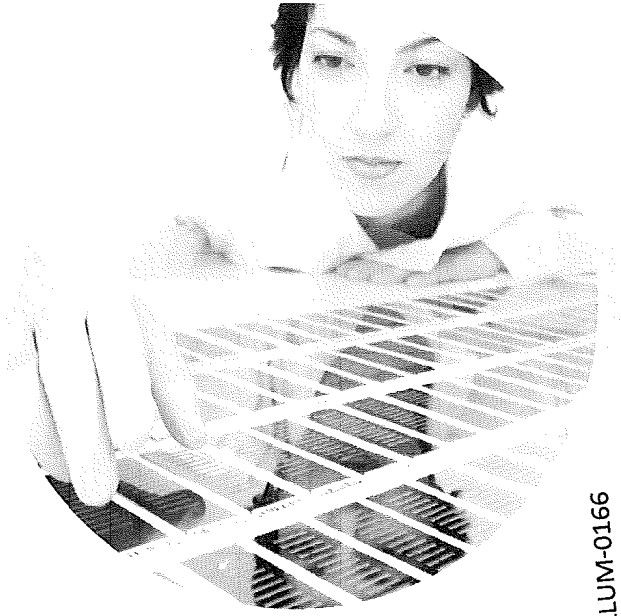

ILLUM-0166

VeraCode Technology – *From Research to Molecular Diagnostics*

Presented by:

Mickie Henshall,
Market Manager, Molecular Diagnostics

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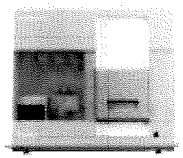
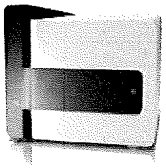
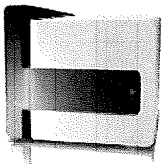
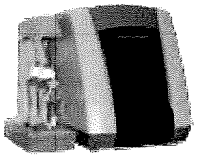
Most Complete Genomics Assay Portfolio

APPLICATION	Sequence-Based Discovery	Whole-Genome	Targeted Analysis	Validation, Screening & Standard Tests
TECHNOLOGY	Solexa Sequencing	BeadArray	BeadArray	VeraCode
PLATFORM	 Genome Analyzer	 iScan	 iScan	 BeadXpress
ASSAY	Sequencing by Synthesis	Infinium Assay Direct Hyb	Infinium Assay GoldenGate & DASL Assay	GoldenGate & DASL Assay
MARKER DENSITY	1base to >3GB	240K to 1M	6K to 60K (iSelect) 96 to 1536 (GoldenGate) Custom / Standard	1 to 384-plex Custom
PRODUCT	Resequencing SNP & CNV Discovery De novo Sequencing Tag Expression Transcript Profiling ChIP Sequencing MeDIP Sequencing BiSulfite CpG	Human1M-Duo HumanHap650Y Human610-Quad Exon610-Duo HumanCNV370-Duo Human 6/Ref-8 Gex Mouse 6/Ref-8 Gex Rat Ref-12 Gex Genome-wide Methylation27	Infinium iSelect Genotyping Panels 6K-60K GoldenGate Genotyping Panels 96-1536 DASL Expression Panels 384-1536 GoldenGate Methylation Panels 384-1536 Linkage-12 CNV-12 MHC GG African American Admixture GG CanineSNP20 BovineSNP50 Micro RNA Methylation Cancer Panel I	VeraCode GoldenGate 96 & 384-plex DASL Expression Methylation Carboxyl - Protein Universal Capture

2008 Release

ILLUM-0167

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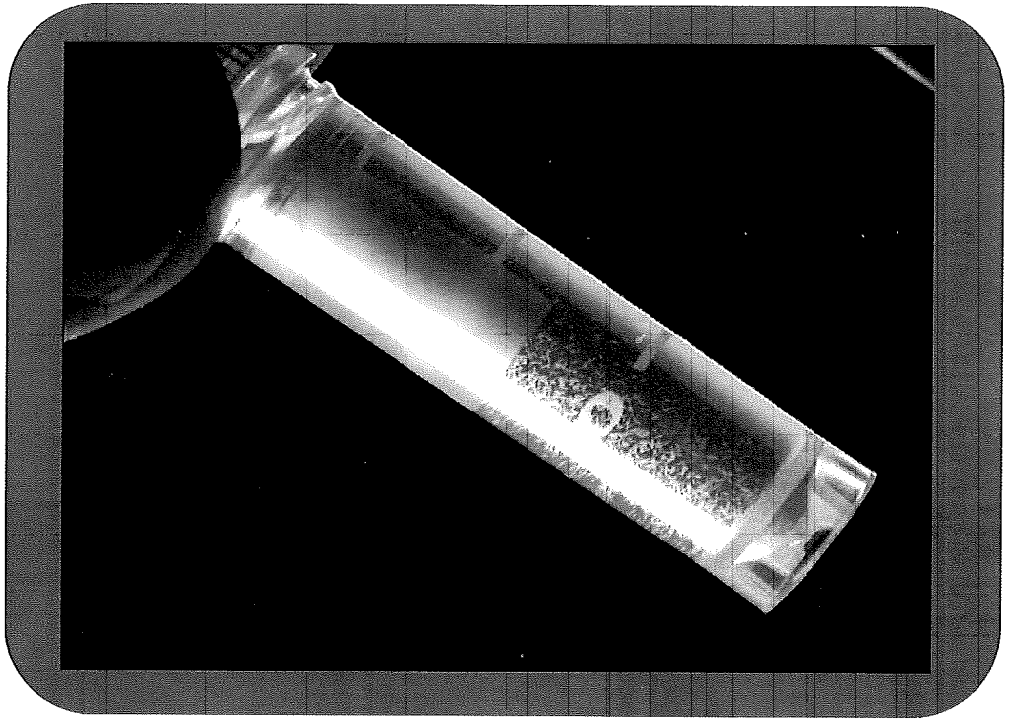
Illumina's Solution for Diverse Applications

VeraCode® Technology



- Cylindrical glass microbeads
- 240 µm length x 28 µm diameter

ILLUM0168

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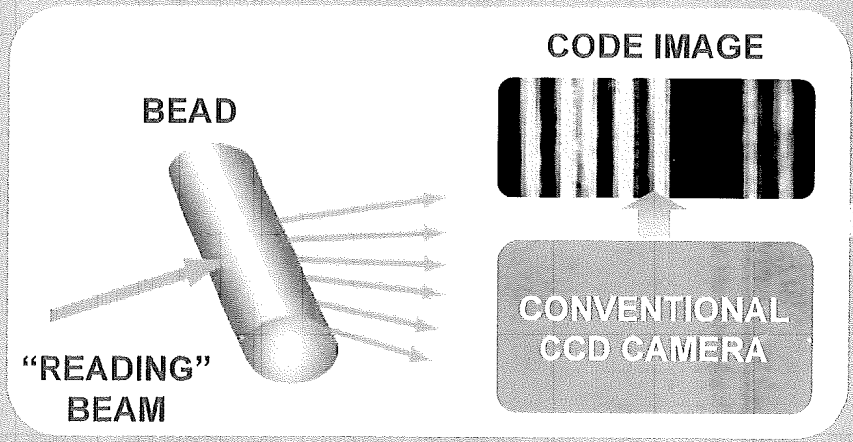
VeraCode Technology

CODE GENERATED BY CREATING EMBEDDED HOLOGRAPHIC DIFFRACTIVE ELEMENTS

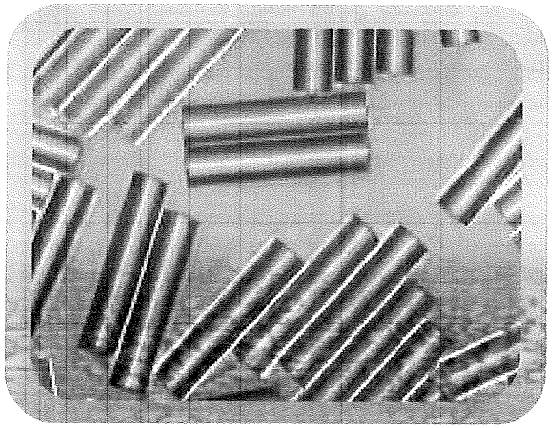


BINARY CODE

1 0 1 1 0 1 0 1 0 0 0 0 0 1 0 1

DECIMAL CODE
= 41133

ILLUM-0169



- High Density Codes Easily Imprinted (24 bit)
- Virtually Unlimited Unique Bead Codes Available – 626 unique codes used in launched products
- Glass Surface of Beads Ideal for Bioassays – numerous surface chemistries available
- Specific panels created easily with addition or removal of specific bead types

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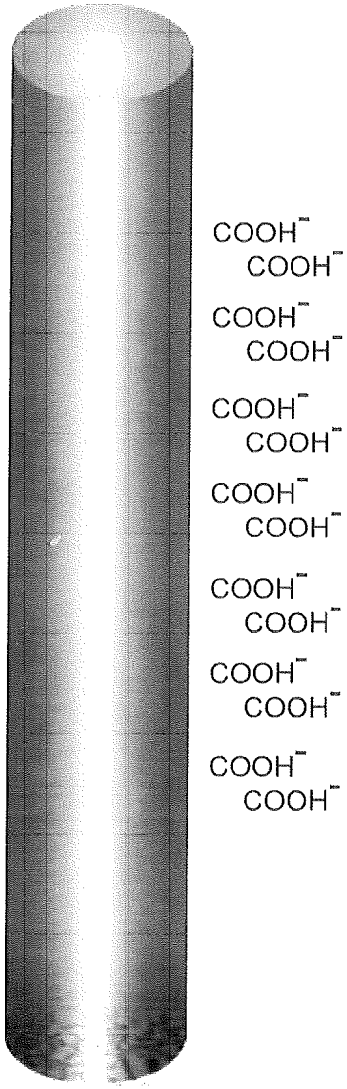
Carboxyl Beads: Chemistry of Attachment



PROTEIN ATTACHMENT: TWO-STEP PROCESS

Activate Surface → EDC/Sulfo-NHS → Covalently Bind

Antibodies
Antigens
Peptides
Streptavidin

NUCLEIC ACID ATTACHMENT: ONE-STEP PROCESS

EDC/Sulfo-NHS plus NH^{2+}Oligo

Nucleic Acids

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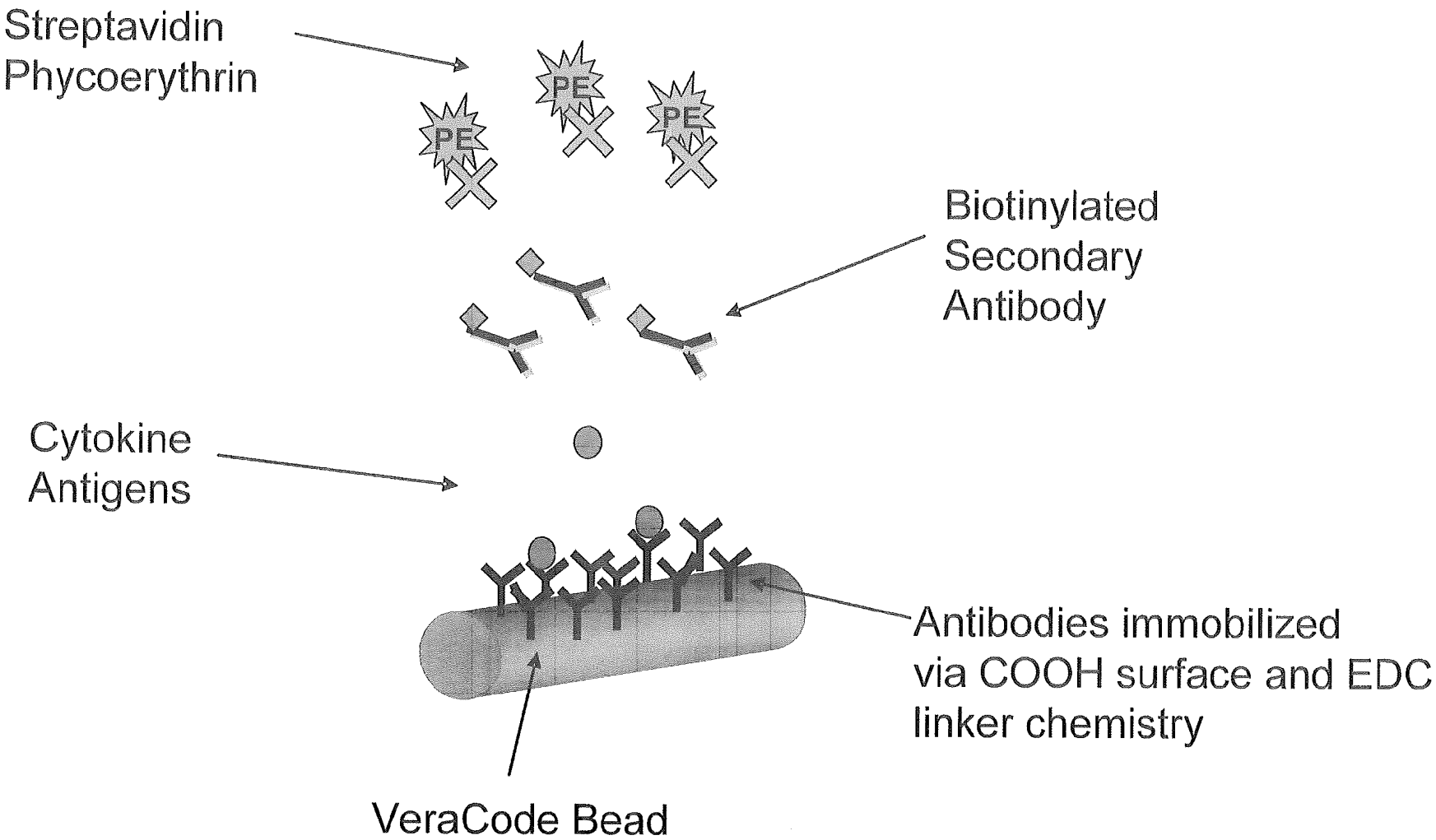
Cytokine Sandwich Assay



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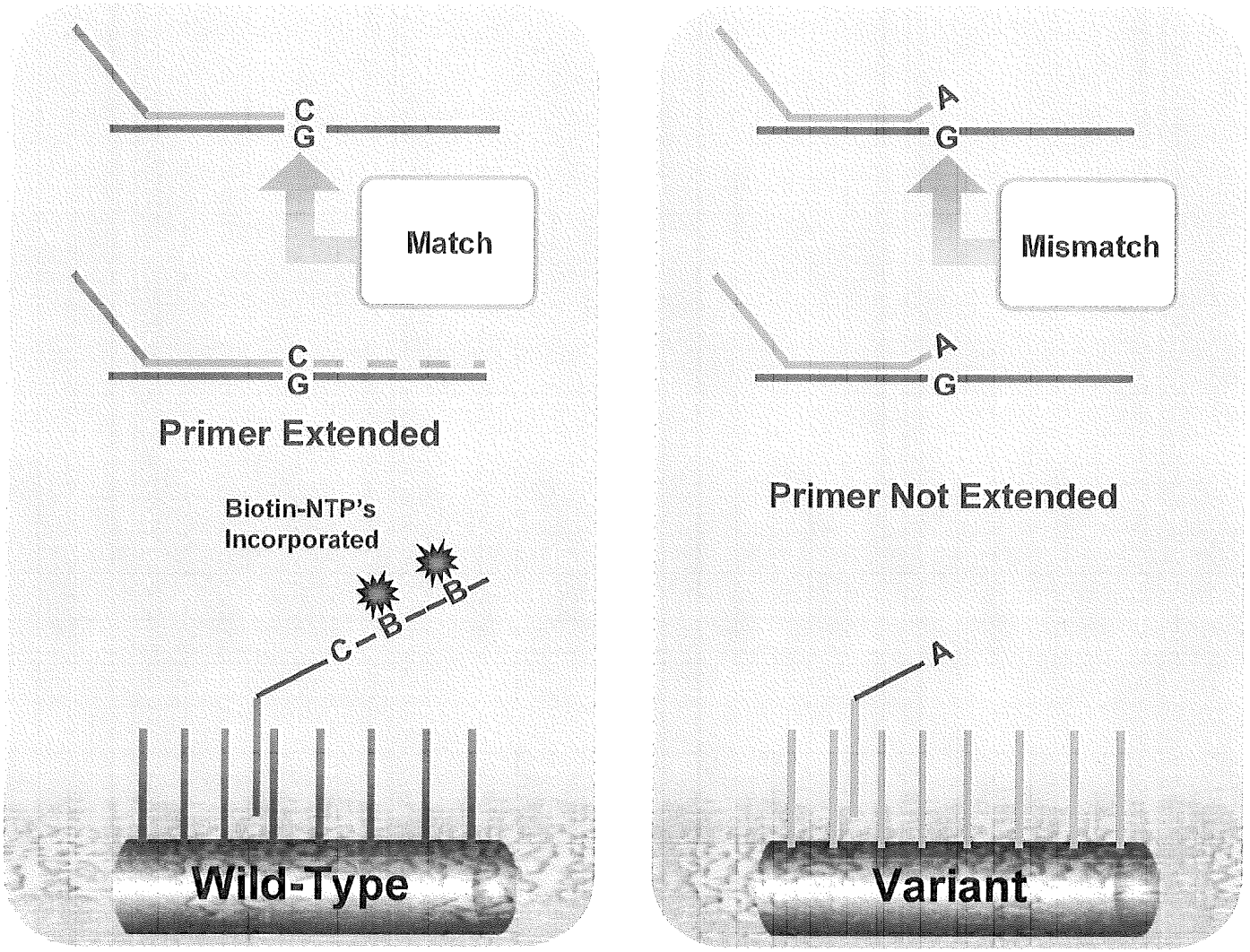
Universal Oligo Capture Beads



Allele Specific Primer Extension Assays

ILLUM-0172

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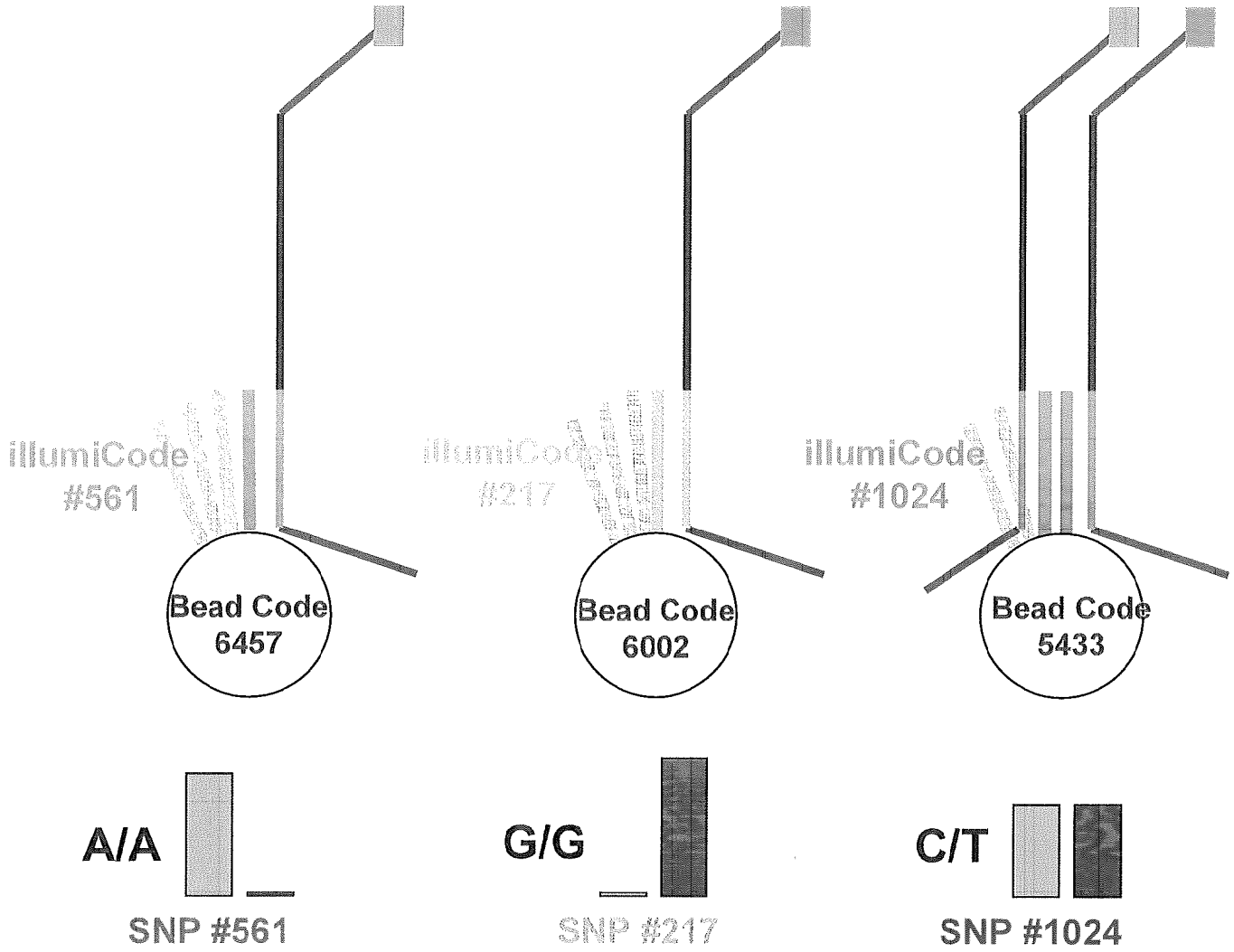
GoldenGate Assay – two color detection

- Hybridization to VeraCode Beads – one SNP per bead type



ILLUM-0173

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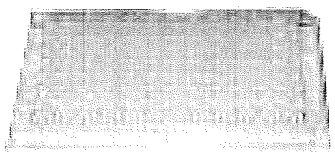
Easily adaptable to changing content requirements

VeraCode Beads Pre-plated into standard product

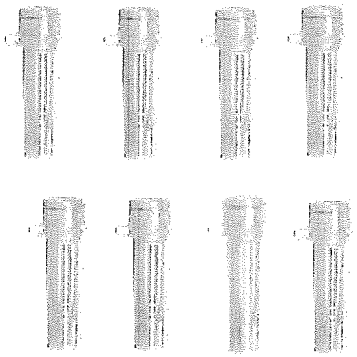


Beads Pooled in 96-well Plates

(96 & 384-plex/well)

+

Individual Tubes of VeraCode Beads



Customized panels created by pooling different tubes of beads

ILLUM-0174

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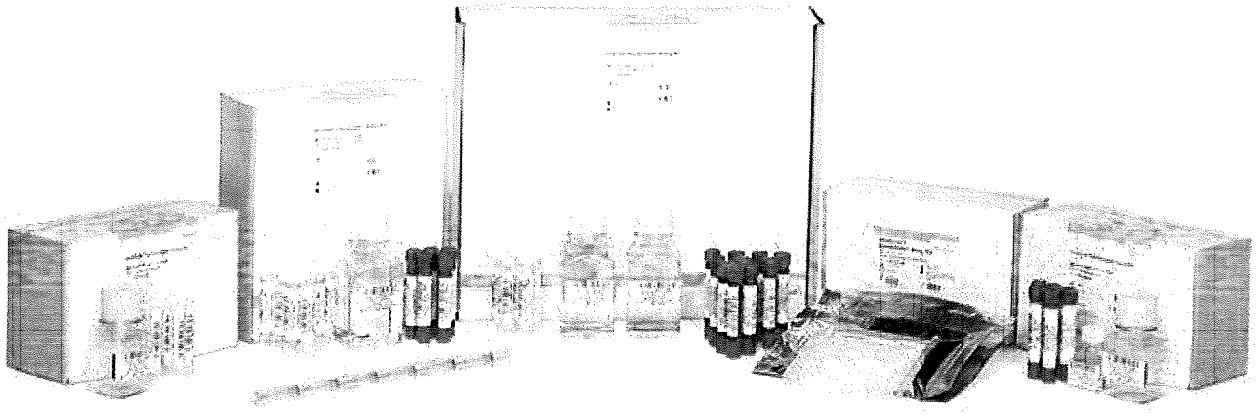
Comprehensive VeraCode product portfolio

- VeraCode Carboxyl Bead Sets
- VeraCode Universal Capture Bead Sets
- Custom GoldenGate Genotyping, 96 & 384-plex
- DASL Custom Gene Expression, 32 to 384-plex
- Custom GoldenGate Methylation, 48 to 384-plex



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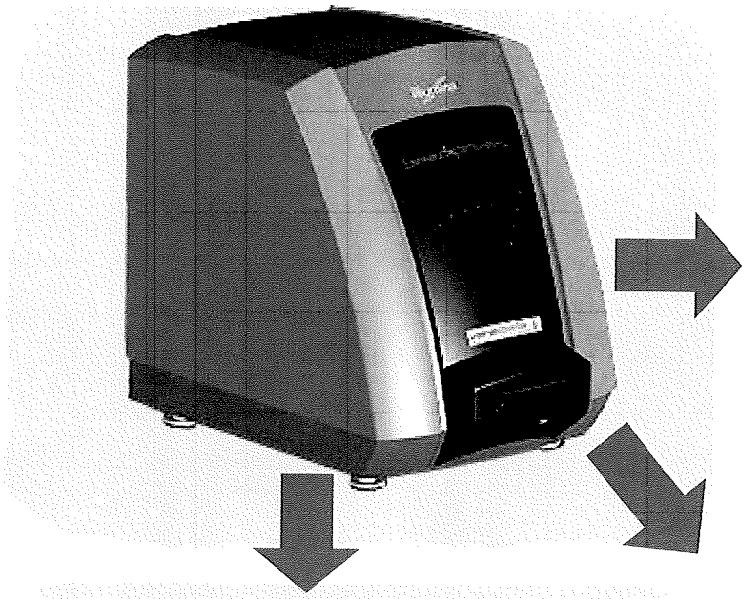
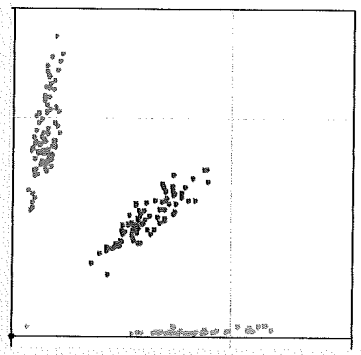
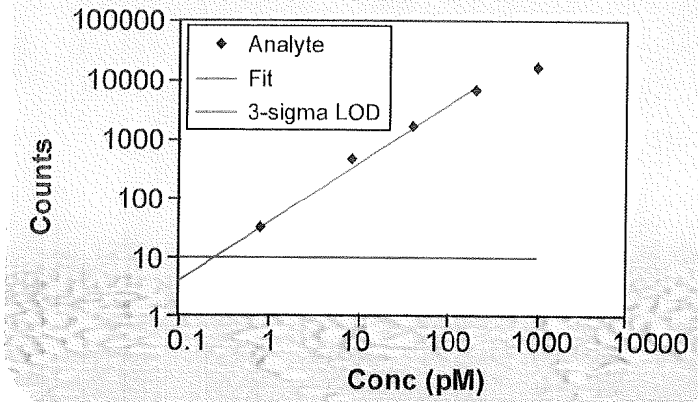
Analyzer for Multiple Applications



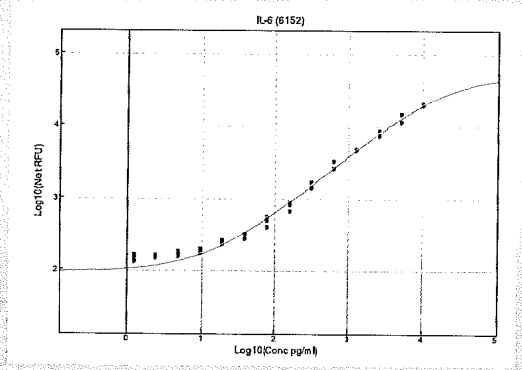
GENOTYPING



GENE REGULATION



PROTEIN EXPRESSION



ILLUM-0176

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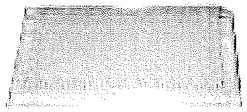
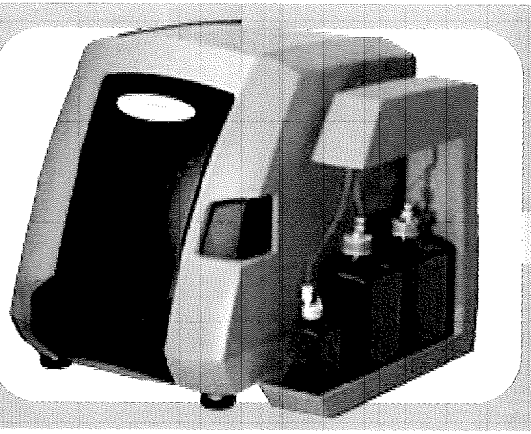
BeadXpress™ Reader

ASSAY BEAD KIT

SAMPLE PLATE



ASSAY CODE LIBRARY



DATA & LOG FILES

INSTRUMENT SPECIFICATIONS

SAMPLE DELIVERY FORMAT	Standard 96-well plate & Stripwell Plates
MULTIPLEXING PER SINGLE WELL	1 to 384
THROUGHPUT	120 samples/hr at 10-plex (two-color detection) 90 samples/hr at 96-plex (two-color detection)
DETECTION	Dual and single-color detection
AUTOMATION	Designed to be compatible with standard laboratory automation
REGULATORY	Developed under Regulatory Design Control (DHF)

ILLUM-0177

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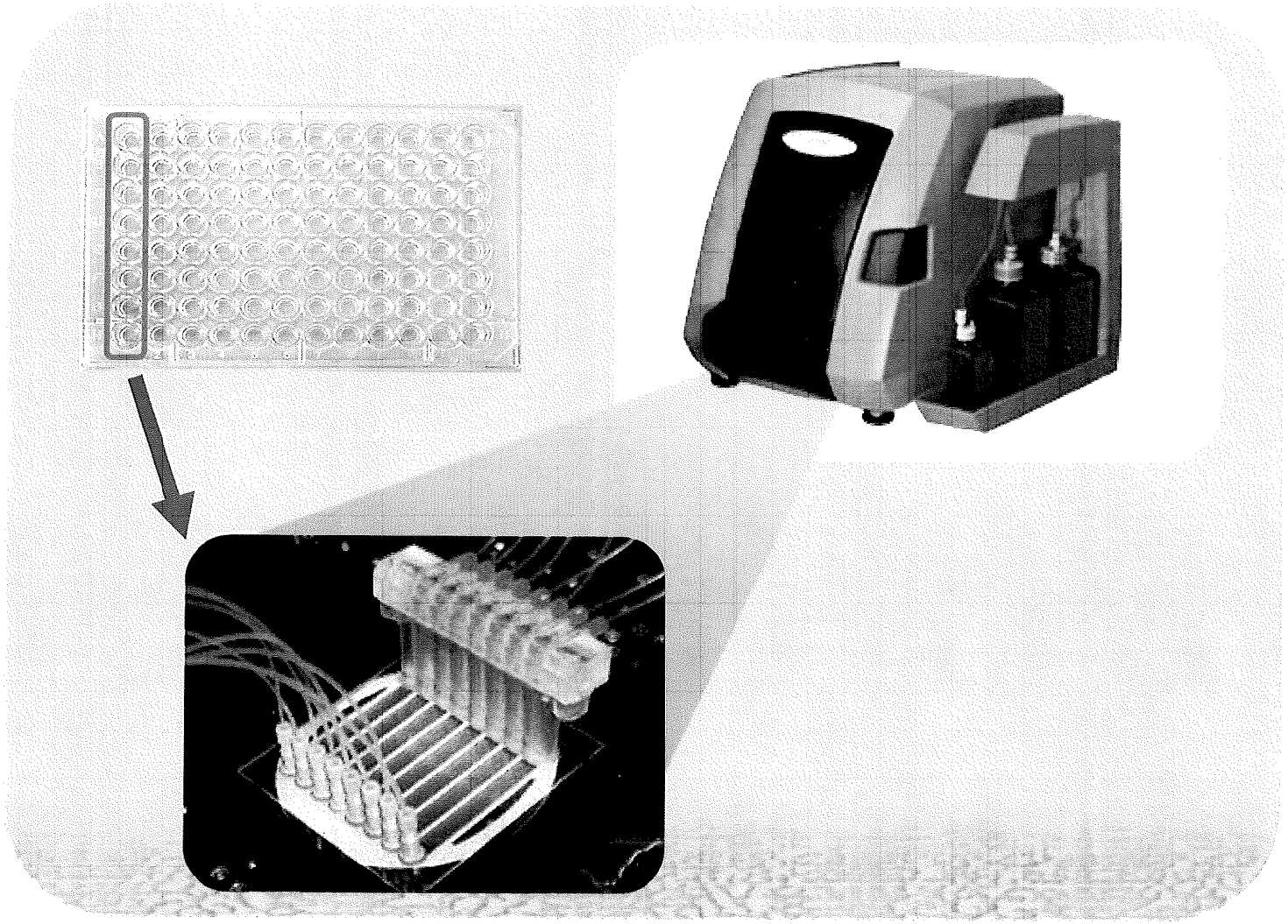
BeadXpress Reader



ILLUM-0178

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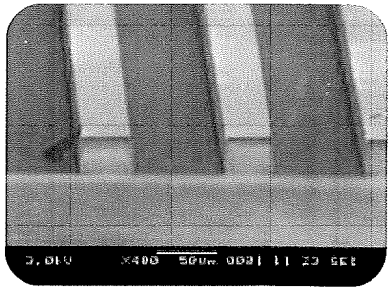
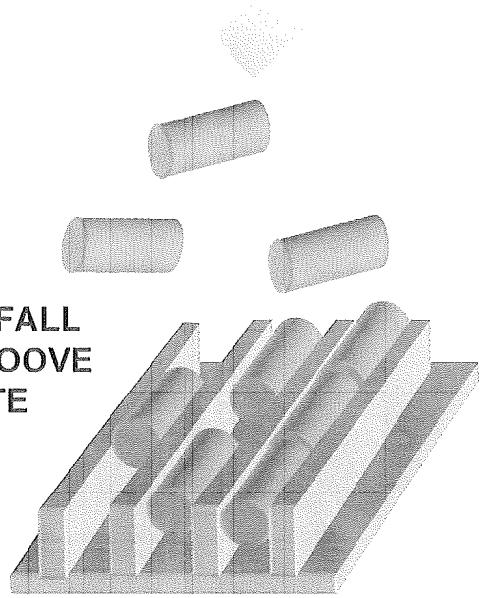
VeraCode Technology

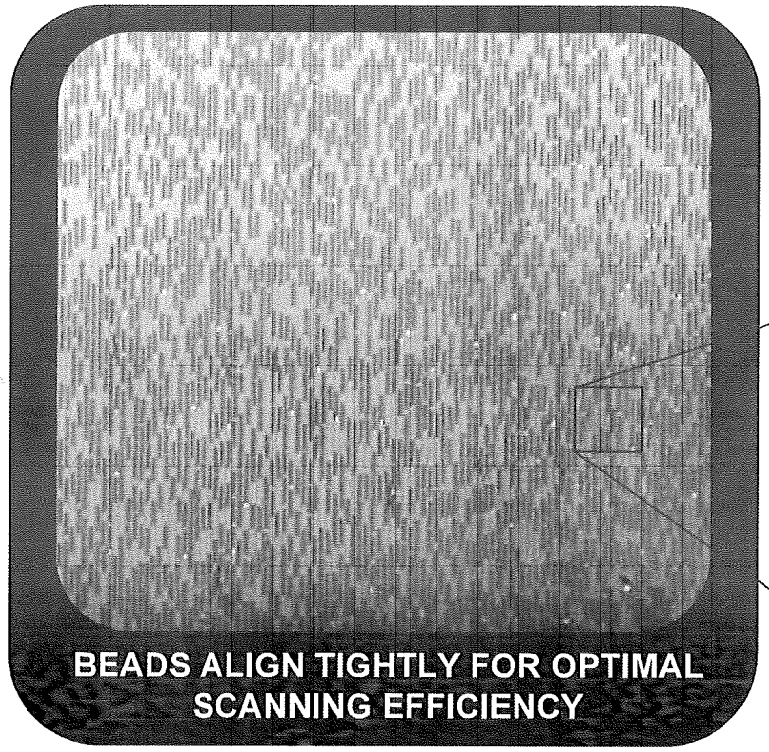
CAPILLARY FORCE ATTRACTS BEADS INTO GROOVES



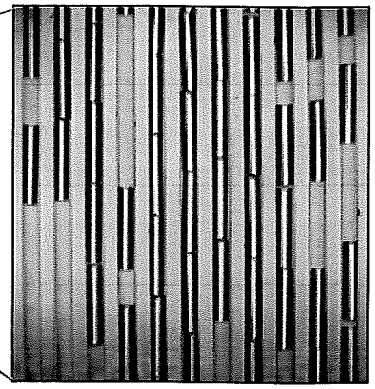
GROOVE PLATE CROSS-SECTION



BEADS FALL INTO GROOVE PLATE



BEADS ALIGN TIGHTLY FOR OPTIMAL SCANNING EFFICIENCY



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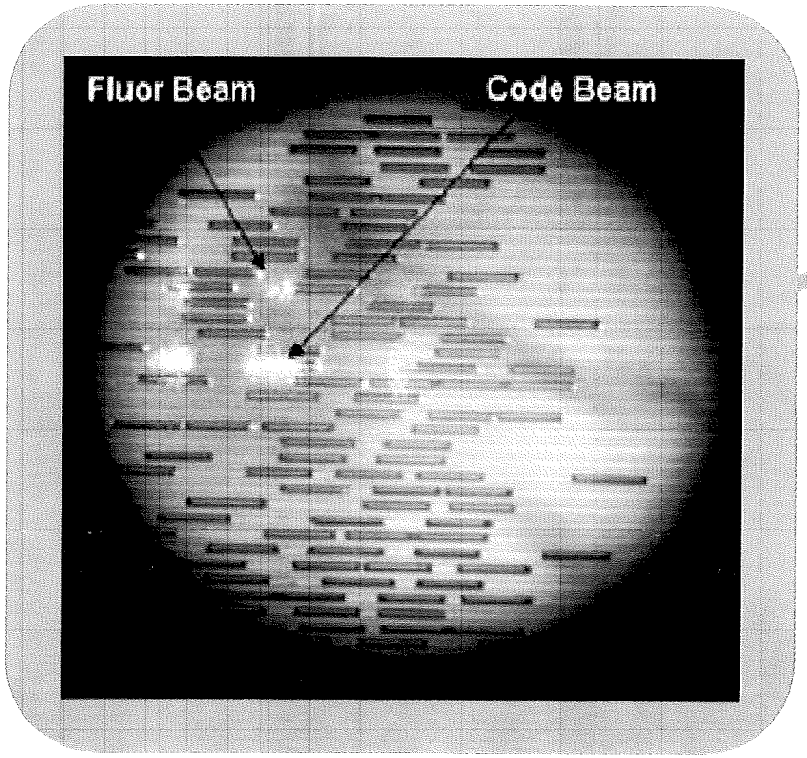
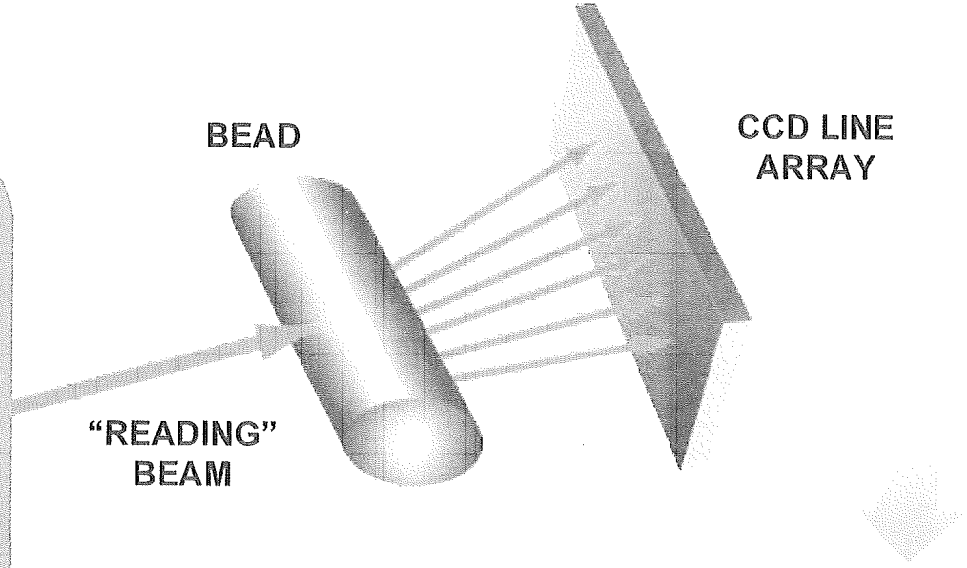
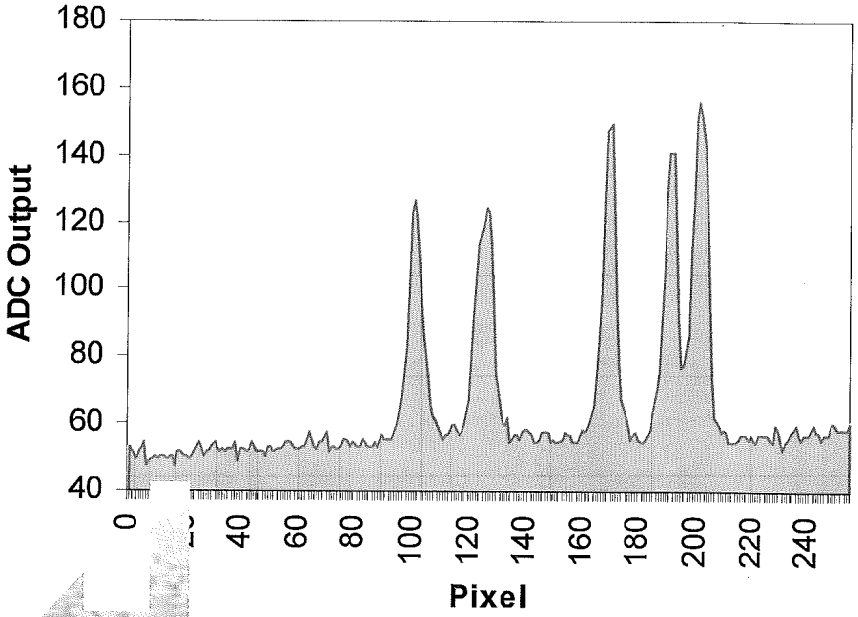
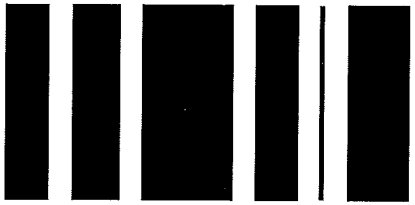
Code Detection





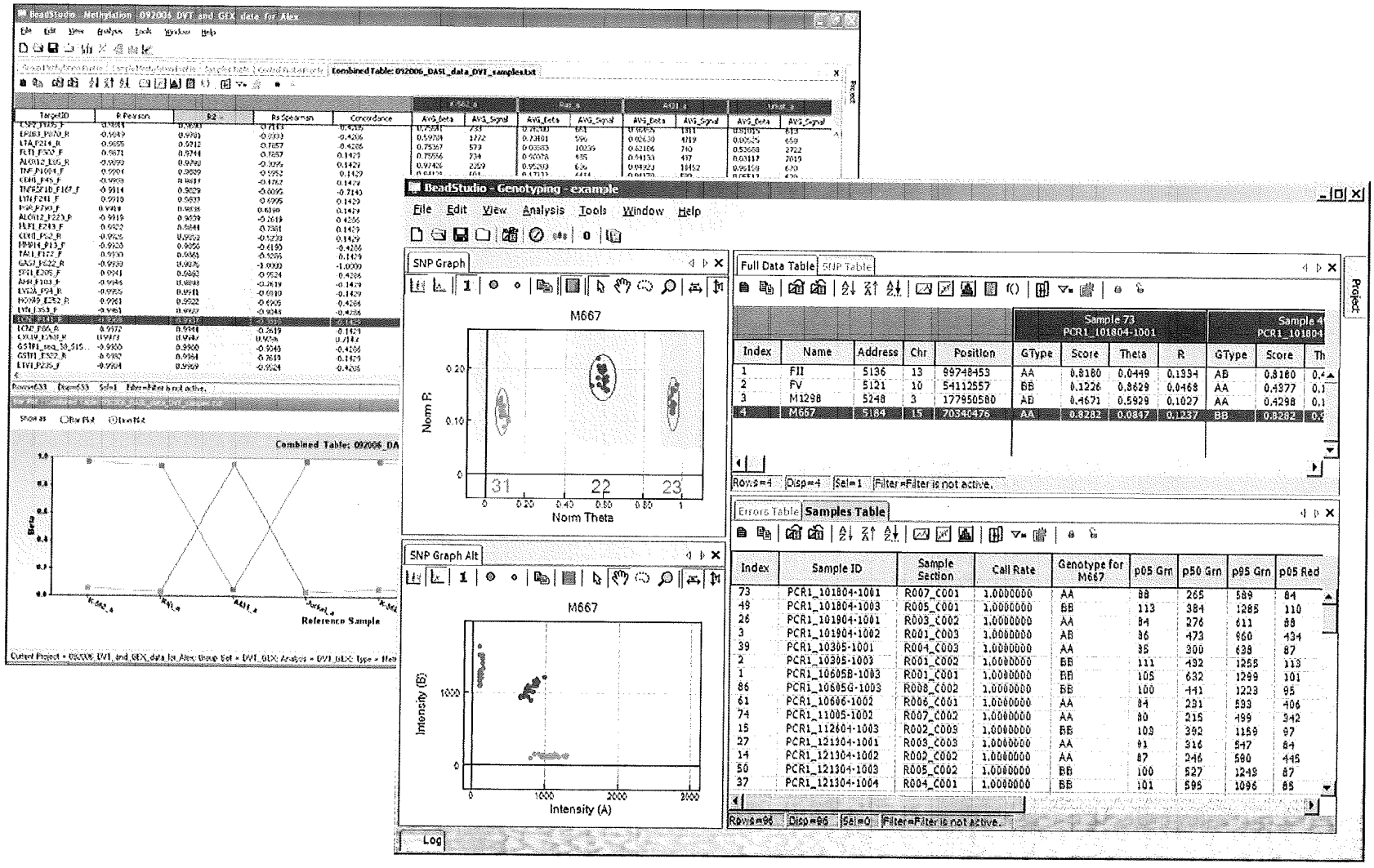




ILLUM-0180

illumina®

Data Analysis Streamlined with BeadStudio



ILLUM-0181

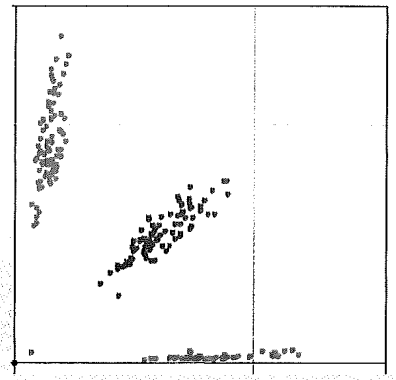
illumina®

What's Next for BeadXpress

- Expanded Custom GoldenGate genotyping multiplex ranges (48, 96, 144, 192, 288, 384...)
- Reduced packaging of VeraCode GoldenGate kits and reagents
- New release of VeraScan operating system
- VeraCode GoldenGate training kits

ILLUM-0182

DIAGNOSTICS



- 510(k) submission to FDA
- Faster (single day) GoldenGate assay
- ADME Panel
- Other applied panels

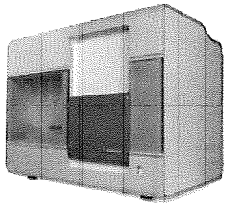
illumina

From Discovery to Molecular Diagnostics

Discovery | Focused Research & Validation | Molecular Dx

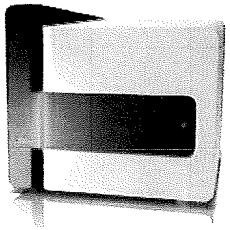
$>10^9$ | 10^8 | 10^7 | 10^6 | 10^5 | 10^4 | 10^3 | 10^2 | 10 | 1

Whole Genome — **Single Marker**



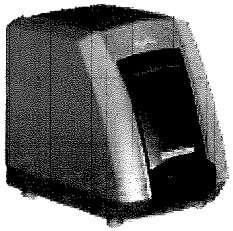
- WG Resequencing
- WG Gene Expression
- Micro RNA Discovery & Profiling
- WG ChIP-Seq
- Candidate-Region resequencing
- Whole Chromosome sequencing

Genome Analyzer



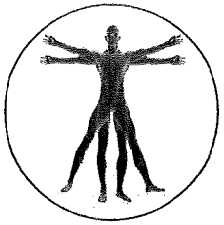
- Gene Expression
- WG Genotyping
- WG CNV
- Biomarker Discovery
- HT Biomarker/lead validation
- Custom genotyping
- Focused expression
- DASL for FFPE

iScan



- Low/mid density GT/GEX
- Protein applications
- Biomarker screening
- Biomarker panels

BeadXpress



illumina®

ILLUM-0183

Illumina-ting the Origins of the Domestic Cat – Efficiency of the GoldenGate® Assay for VeraCode® in Cat Genetics

Leslie A. Lyons, PhD
Associate Professor
Department of Population Health & Reproduction (PHR)
School of Veterinary Medicine
University of California, Davis

ILLUM-0184

illumina®

Exhibit 303

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Exhibit 306A

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TRADE SECRET/
COMMERCIALLY SENSITIVE

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Exhibit 306B

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Exhibit 306C

CONFIDENTIAL

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Exhibit 307

Exhibitor Prospectus

Association for Molecular Pathology

14th Annual Meeting & Exhibits

Oct. 30 - Nov. 2, 2008

Gaylord Texan Resort & Convention Center
Grapevine, Texas (USA)

Important Dates and Deadlines!

Corporate Partner Booth Requests	April 1
Exhibitor Application and Contact Form	June 13
Corporate Workshop Application Form	June 13
Exhibitor Service Kits Mailed	August 1
Sponsorship Opportunities Form	September 12

Advertising Opportunities:

Meeting Program	September 12
AMP Mailing List Request	September 12
The Journal of Molecular Diagnostics	September 22

Association for Molecular Pathology

2008 Annual Meeting and Exhibits

October 30 - November 2, 2008

Gaylord Texan Resort & Convention Center, Grapevine, Texas

Association for Molecular Pathology

The Association for Molecular Pathology (AMP) is committed to the advancement of clinical molecular diagnostic and prognostic medicine through education and training of practitioners, physicians, laboratory and industrial scientists, and health care professionals involved in patient care and management. AMP supports the development of new technologies in molecular biology to be used in laboratory medicine, including diagnosis, treatment, and prognosis of genetic disorders, cancer, infectious diseases, identity and histocompatibility.

About the Membership

The membership of AMP includes individuals interested in the educational, medical, scientific, economic, and regulatory aspects of molecular diagnostics, including pathologists, clinical laboratory scientists, clinicians and other health care personnel, government employees - especially those involved in regulation of the field - and professionals in the *in vitro* diagnostics industry.

AMP members are involved in every aspect of molecular diagnostics: performance, interpretation, and reporting of molecular diagnostic tests, assay development and validation, and medical education. Many members participate in research aimed at broadening the understanding of gene/protein structure and function, disease processes, and developing new technologies. AMP aims to inform and educate its members as well as other professionals interested in molecular pathology through its annual meeting, publications, website, listserv, and other venues.

Important Dates and Deadlines!

Corporate Partner Booth Requests ..... April 1
Abstract Submission Deadline ..... June 2
Exhibitor Application and Contract Form ..... June 13
Corporate Workshop Application Form ..... June 13
Exhibitor Service Kits Mailed ..... August 1
Sponsorship Opportunities Form ..... September 12

Advertising Opportunities:

Meeting Program ..... September 12
AMP Mailing List Request ..... September 12
The Journal of Molecular Diagnostics ... September 22
AMP Corporate Partners Program .....
..... *(See details on pages 13-15)*

The Association for Molecular Pathology will host its 14th Annual Meeting and Exhibits October 30-November 2, at the Gaylord Texan Resort & Convention Center in Grapevine, Texas.

This four-day event starts on October 30 with a day of corporate-sponsored workshops. A keynote lecture presented by **Carl Wittwer, MD, PhD, ARUP Laboratories**, the distinguished recipient of the **2008 AMP Award for Excellence in Molecular Diagnostics**, launches the scientific program on October 31.

Programming includes poster sessions and invited speakers for workshop and plenary sessions in each of the four major areas of clinical molecular diagnostics:

- **Hematopathology**
- **Infectious diseases**
- **Inherited genetic diseases**
- **Solid tumors**

The meeting also includes several technical workshops. Corporate exhibits, working lunch meetings, and casual social gatherings offer opportunities for networking and further exchange with molecular laboratory professionals.

Enclosed is your **2008 Exhibitor Prospectus**. Additional opportunities for Exhibitors include **Corporate Workshops**, **Dining Event Sponsorships** and **Scientific and Educational Activity Sponsorships**. Our **Corporate Partners** program offers our Exhibitors additional opportunities for high visibility to the molecular pathology community.

Mark Your Calendars...

Association for Molecular Pathology

AMP 2009 Annual Meeting & Exhibits

November 19-22, 2009
Gaylord Palms Resort & Convention Center
Orlando, Florida

Exhibitor Information

Exhibitor Information & Application Forms on the Web

The Exhibitor Prospectus is available in its entirety at: www.amp.org/Meetings/exhibit.htm

- Preliminary Program
- Rules and Regulations for Exhibiting
- General Information
- Exhibitor Application and Contract
- Corporate Partners Program Information
- Sponsorship Opportunities
- Advertising Opportunities
- Mailing List Information
- Services and Official Contractor
- Union Regulations
- Corporate Workshop Information and Application
- Exhibitor Badges Form
- Current Exhibiting Companies and Booth Assignments

Exhibit Space Rental

All booths are 10' x 10' or 20' x 20'. The maximum height in the exhibit area is 24 feet. Rental includes 8 ft. high back drapes, 3 ft. high side dividers and a standard (7" X 44") identification sign with company name.

Booth Fees

10 X 10 Inline $3,900
10 X 10 Corner $4,500
20 X 20 Island $18,000
10 x 10 Non-Profit Inline $1,800

Please submit your completed **Exhibitor Application and Contract** (page 7) by **June 13, 2008**.

Exhibitor Registration Hours

Wednesday, October 29 ..... 1:00 pm - 6:00 pm
Thursday, October 30 ..... 8:00 am - 6:00 pm
Friday, October 31 ..... 8:00 am - 6:00 pm
Saturday, November 1 ..... 8:00 am - 6:00 pm

Exhibit Installation

Thursday, October 30 ..... 8:00 am - 4:00 pm

Exhibit Hours

Friday, October 31 ..... 9:00 am - 5:00 pm
Saturday, November 1 ..... 9:00 am - 5:00 pm

Dismantling of Exhibits

Saturday, November 1 ..... 5:00 pm - 9:00 pm

*No packing or dismantling of exhibits will be permitted until **5:00 pm, Saturday, November 1**. Early departure will result in the company or group being penalized including being banned from future tradeshows. When planning your dismantling and departure to follow the show, please allow no less than 3 hours for return of all empty shipping materials from storage. We strongly recommend that you advise your staff to make appropriate departure plans; i.e. plan to depart late Saturday evening or Sunday morning and to not count on being able to depart on Saturday afternoon.*

Exhibitor Rules & Regulations

- **Electronic Lead Retrieval**
  Attendees at the 2008 AMP Annual Meeting will carry electronic cards. Lead retrieval services will be provided by Trade Show Leads. Exhibitors will have the opportunity to rent lead retrieval services as part of their exhibit booth package.
- **Exhibitor Badges**
  Exhibitors badges must be worn at all times, and allow access to the Exhibit Hall and Plenary Sessions only. Exhibitors will receive 6 badges per 10' x 10' booth space, 12 badges per 10' x 20' booth space, and 24 badges per 20' X20' booth space. Additional Exhibitor badges will be available at $50.00/each. Exhibitor name badge requests may be submitted through the AMP Website at www.amp.org/meetings/exhibit.htm.
- **Promotional Items and Activities**
  Companies wishing to conduct contests or lotteries should contact the AMP office at 301-634-7939 for guidelines and permission. Exhibiting companies are permitted to distribute promotional materials and other items at their Exhibit Booth location only. All items distributed must be useful to the professional activities of the meeting attendees, and be made available to all meeting attendees as long as supplies last.
  No soliciting of registrants is permitted in the aisles or in other exhibitor's booths, or in any other area of the hotel. No distribution of literature or other promotional items at hotel guestrooms, or in any other public or private area of the hotel is permitted.
- **Subletting Exhibit Space**
  Subletting any part of the exhibit space by an exhibitor is prohibited.
- **Sale of Goods**
  The sale of goods or services of any kind in the exhibit area in connection with the Annual Meeting is prohibited. Order taking is permitted.

Booth Relocation

- AMP reserves the right to relocate space to areas other than that selected by the exhibitor. Relocations will be made only in the exhibitor's best interest and upon notification to the exhibitor by Exhibit Management. Management strives for, but cannot guarantee, that a company will not be located near a competitor.

Exhibit Space Cancellation

- All exhibit space cancellations must be received in writing by AMP Exhibit Management (Maricel M. Herrera, CMP).
- Cancellations received on or before **July 30, 2008**, qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **July 31, 2008** and **August 29, 2008**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **August 29, 2008** will forfeit full exhibit space payment.

Exhibitor Information

Ancillary and Satellite Events

AMP encourages ancillary meetings and events during the annual meeting provided that they are not scheduled while **any** official AMP scientific sessions or sponsored social events are scheduled.

Individuals who wish to schedule an ancillary event (e.g., meeting, social dinner) during the AMP Annual Meeting dates (October 30 - November 2), or a satellite event (dates immediately before or immediately after the official AMP dates) should contact Maricel M. Herrera in the AMP Administrative office (*mherrera@amp.org*) as soon as possible.

All ancillary and satellite events must be cleared through the AMP Administrative Office. The title, time and location of all approved events will be included in The Meeting Program and Website. Space may be available at the Gaylord Texan on a first-come, first-served basis. There will be an administrative fee for any space released by AMP. Should the purpose for any function be misrepresented to the AMP administrative office, the group sponsoring such function will be penalized by AMP, including being suspended from participation in future AMP events.

AMP does not assist with the planning, funding, or management of ancillary or satellite events. Organizers will be responsible for all arrangements and costs associated with their events which may include: room rental, audio-visual equipment, food and beverages. Ancillary and satellite events scheduled by September 12, 2008 will be listed in printed program information and on the AMP Annual Meeting Web site.

Contact Information

Exhibit Management
Maricel M. Herrera, CMP
Director, Meetings and Membership Services
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7939 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Travel Information

Hotel Accommodations

Accommodations will be provided for exhibitors and attendees at the Gaylord Texan Resort & Convention Center where sessions and exhibits will be held. AMP has negotiated a special rate of $189 standard single/double rooms. Room block opens April 1st for reservations. **Be sure to make reservations by October 1st**; afterward the discounted room rate may not apply. It is important to identify yourself as an AMP attendee when you contact the reservations desk. To make reservations please dial 1-817-778-1000.

Gaylord Texan Resort & Convention Center
1501 Gaylord Trail
Grapevine, TX 76051
Telephone: (817) 778-1000
Guest fax: (817) 778-1001

For general information, visit the Gaylord Texan Resort & Convention Center hotel website at:
http://www.gaylordhotels.com/gaylordtexan/

Note regarding group hotel reservations:
As a result of the large number of last minute cancellations and no-shows, a **two night, non-refundable deposit is required on all reservations** and will be charged on Friday, September 5, 2008 to the credit card on file. The amount charged will be a total of two nights at the rate of $189 per night plus $15.00 resort fee and a 12% tax. All reservations made on or after September 5 will be automatically charged a two-night non-refundable deposit.

Air Travel Discounts

American Airlines is offering a discount of up to 10% on airfare, plus other travel discount options to and from the AMP Annual Meeting. The percentage discount can be booked online at www.aa.com for AA/AE flights or at 1-800-221-2255 through the AA Group Sales Reservation Desk. Please mention the star file **AN#A24H8AE** for our group (AMP Annual Meeting) to receive your special fare.

To learn more about the discounts available to you, or to book your reservation, please call American Airlines today!

Ground Transportation & Car Rentals

Avis Rent a Car will be providing rental discounts to our group for ground transportation. To make rental car reservations, call the Avis Rent A Car Convention Desk directly at 1-800-331-1600. The desk is available to assist you twenty four hours a day, but you must reference the group file **AWD#D086607** to obtain the best possible car rental rates available.

SuperShuttle provides 24 hour transportation between the airport and the hotel. Door to door shuttle service is available by reservation. AMP Meeting attendees are entitled to a discount off their regular rate. Reservations may be made by calling 800-258-3826 or online at:
http://www.supershuttle.com/default.aspx?GC=6R72M

Workshop & Sponsorship Opportunities

Workshop & Sponsorship Opportunities

Sponsoring activities at the Annual Meeting is an ideal way to get your company noticed by attendees. All functions may be either fully or partially sponsored; companies providing sponsorship will be individually recognized in the meeting program and signage at the event.

We offer an exciting opportunity for those who provide significant support to be recognized as "Corporate Partners." *Complete details of the AMP Corporate Partners Program is located at the end of this Prospectus.*

Sponsorship Opportunities

Activity Sponsorships will be individually recognized in the meeting program. Activities available for sponsorship include: Plenary Sessions, Workshops, Continental Breakfasts, Morning Coffee Breaks, Lunch, Afternoon Coffee Breaks, Trainee Registration Support, and support for other AMP activities. If you are interested in sponsoring an activity, please fax your completed **Sponsorship Opportunities Form** (page 11) to Maricel Herrera by **September 12**.

Corporate Workshops Day

A full day of corporate sponsored workshops will take place on Thursday, October 30. Meeting rooms have been reserved for workshop presenters at the Gaylord Texan Resort & Convention Center. The fee for each workshop is $3,500 per hour and includes basic audio visual setup. Catering arrangements should be made directly with the hotel and will be billed directly to you. Workshops will run concurrently during the morning and afternoon sessions.

Deadline for submitting the completed **Corporate Workshop Application Form** (page 9) is **June 13** so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts). This will also allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Texan Resort & Convention Center for other necessary arrangements.

A schedule and full description of Corporate Workshops will be posted on the AMP website at www.amp.org, and in the Fall 2008 *AMP Newsletter.*

Corporate Partners

The AMP Corporate Partners Program is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. See complete information in the Corporate Partnerships section at the end of this Prospectus (see pages 13-15).

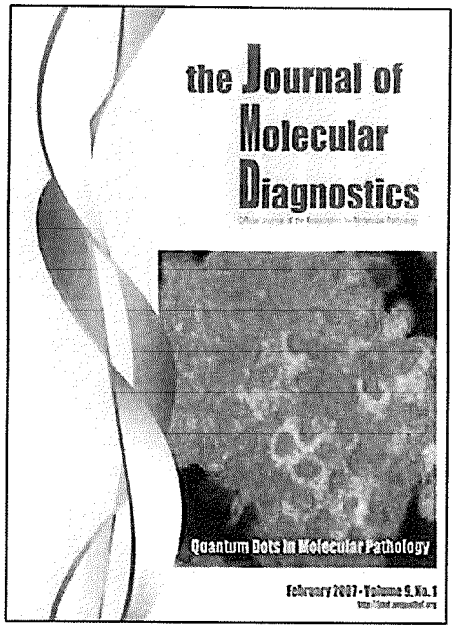
2007 Annual Meeting Demographics

Total Scientific Attendees - 1046
Exhibitors - 67

2007 Exhibitors

Abbott Molecular, Inc.
Acrometrix
Affymetrix, Inc.
Althea Technologies, Inc.
American Society for Clinical Pathology
ARTEL
ARUP Laboratories
Asuragen, Inc.
Attostar LLC
AutoGen, Inc.
Autogenomics, Inc.
Beckman Coulter, Inc.
BioArray Solutions
Biosearch Technologies, Inc.
BioTrove
Cepheid Inc.
Cleveland Clinic Reference Laboratory
College of American Pathologists
Combimatrix Molecular Diagnostics (CMDX)
Corbett Robotics, Inc.
DxS Limited
Elsevier/Saunders/Mosby
Eppendorf North America
EraGen Biosciences
Expression Analysis, Inc.
Focus Diagnostics
Genomic Health, Inc.
Gen-Probe
Genzyme
HandyLab, Inc.
Idaho Technology, Inc.
Ikonisys, Inc.
Illumina, Inc.
Invitrogen
InVivoScribe Technologies, LLC
IPSOGEN
Laboratory for Personalized Molecular Medicine
Lippincott Williams & Wilkins
Luminex Corporation
Maine Molecular Quality Controls, Inc.
MetaSystems Group, Inc
Miltenyi Biotec, Inc.
MolecularMD
Nanogen, Inc.
Olympus America Inc.
Osmetech Molecular Diagnostics
Pathwork Diagnostics
PreAnalytiX
Prodesse
Promega Corporation
QIAGEN, INC.
Rainbow Scientific, Inc.
Roche Applied Science
Roche Diagnostics Corporation
SciGene
Sequenom, Inc.
SeraCare Life Sciences, Inc.
Siemens Medical Solutions Diagnostics
Tepnel Lifecodes Corporation
Third Wave Technologies
TIB Molbiol
TrimGen Corporation
US Labs
Veridex, a Johnson & Johnson Company
Xceed Molecular
ZeptroMetrix Corporation

Advertising and Promotional Opportunities



The Journal of Molecular Diagnostics

Editor-in-Chief: Karen L. Kaul, MD, PhD
Evanston Hospital/Northwestern University Medical School

The Journal of Molecular Diagnostics (JMD), the official publication of the Association for Molecular Pathology, co-published with the American Society for Investigative Pathology, publishes high-quality original papers on scientific advances in the translation and validation of molecular discoveries in medicine into the clinical diagnostic setting, and the description and application of technological advances in the field of molecular diagnostic medicine.

Annual Meeting/Abstracts Issue: November 2008
Insertion orders and materials due:
September 22, 2008
Circulation: 3,500 Paid Subscribers

One complementary copy of the November 2008 issue of *The Journal of Molecular Diagnostics* will be distributed to each meeting attendee and Exhibit Booth.

Rate Card online at:
www.amp.org/Advertising/RateCard.pdf

To advertise in *JMD*, contact:
Robyn Engelson
FASEB AdNet
9650 Rockville Pike, Bethesda, MD 20814
Tel: 800-43-FASEB ext 7103
Email: *rengelson@faseb.org*

Meeting Program

Special Offer to *JMD* Advertisers: Purchase your full-page ad in the November 2008 issue of *JMD* and receive 50% rebate off the pricing below for ads placed in the Meeting Program.

Display Advertising

Back Cover of Meeting Program - Color, 7" x 10"	$2,875
Inside Front or Back Cover - color, 7" x 10"	$2,015
Inside Front or Back Cover - b/w, 7" x 10"	$1,350
Full page b/w only, 7" x 10"	$1,100
Page Horizontal - b/w only, 7" x 4.75"	$ 850
1/2 Page Vertical - b/w only, 3.25" x 10"	$ 850
1/4 Page Vertical - b/w only, 3.25" x 4.75"	$ 500

Specifications
Color Ad: PDF (embed fonts), jpg, or tif
Black and White Ads: 300 dpi tif, pcx, or PDF (embed fonts)

Program insertion orders and materials due:
September 12, 2008

Send materials to:
Laurie Menser
Marketing Manager,
The American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993
Tel: 301-634-7943; Fax: 301-634-7961
Email: *lmenser@asip.org*

Promotional Opportunities Included with your AMP Exhibitor Contract:

Program Listing
A floor plan of the Exhibit Hall and a list of all confirmed exhibiting companies will be included in the Meeting Program. The Meeting Program will be distributed to all meeting attendees. Additionally, the information will be posted online at www.amp.org.

On-Site Program
Exhibitors must provide a 60-word product description to be included in the Meeting Program. This guide is distributed to all meeting attendees. This opportunity to advertise your products and services is complimentary and is available only to AMP's exhibitors and supporters.

Registration List
AMP will provide a complete registration list to exhibitors within 30 days of the annual meeting. The registration list will be a read-only PDF file and does not include email addresses. The information is the sole property of AMP and cannot be reproduced in any form without express written permission.

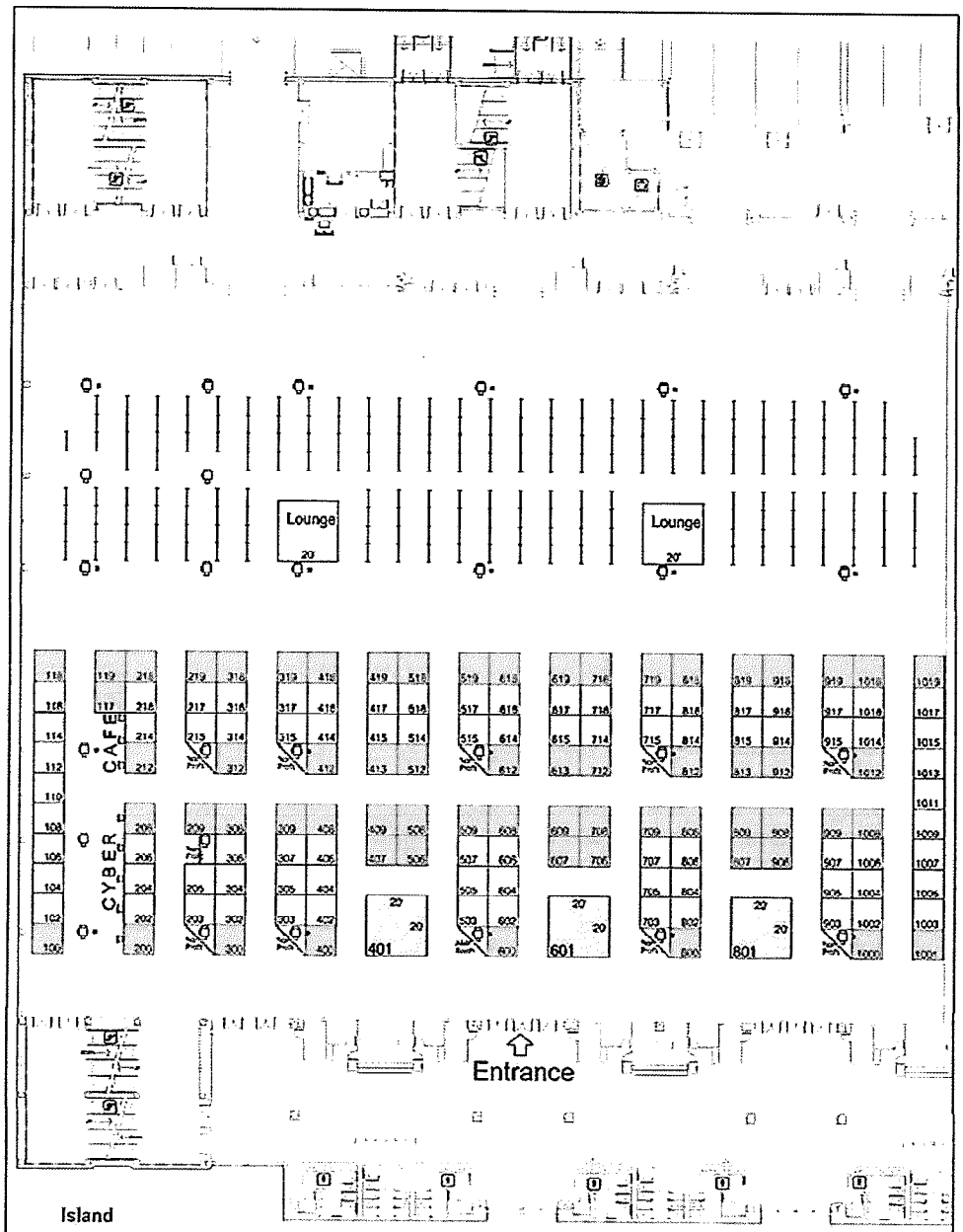
AMP Membership List
Exhibitors are entitled to a 50% discount for a one-time use of the AMP Membership Mailing List (approximately 1,500 names & addresses) for use in advertising their products and services. (Email addresses are not provided.) Requests must be made via email to Maricel Herrera at *mherrera@amp.org* no later than **September 12**.

Exhibit Hall & Booth Floor Plan

Exhibit Schedule – Longhorn Exhibit Hall

Friday, October 31 9:00 am – 5:00 pm

Saturday, November 1 9:00 am – 5:00pm



AMP 2008 Annual Meeting
October 31 - November 1, 2008
Gaylord Texan Resort & Convention Center
Exhibit Halls A,B & C

2008 Association for Molecular Pathology 14th Annual Meeting and Exhibits
October 30 - November 2, 2008, Gaylord Texan Resort & Convention Center

Exhibitor Application and Contract

Exhibit Days: October 31-November 1, 2008
Deadline: June 13, 2008

Company Name: *(Please list company name as you would like it to appear in the AMP 2008 program, exhibitor badges and any required signage)*		
Contact Individual: *(This person will receive all AMP 2008 exhibitor correspondence)*		
Address:		Telephone:
City:	State/Province:	Fax:
Zip/Postal Code	Country:	Email:

Booth Choices: 1._____ 2._____ 3._____ 4._____	Total Square Footage:	List any exhibitor(s) you wish to be near: List any exhibitor(s) you do not wish to be near:

Signage

❑ NO, We do not require an identification sign
❑ YES, We do require an identification sign

Product Description

A 60-word description of products or services must be submitted with your application for inclusion in the Program. Descriptions exceeding 60 words may be edited by the AMP administrative office. Please submit online at www.amp.org/2008/exhibitdesc.asp.
❑ 60-word Product Description submitted at www.amp.org by **June 13, 2008**.

Payment of Fees

Full payment must accompany the Exhibitor Application and Contract Form or it will not be processed. Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

❑ MC ❑ VISA ❑AMEX Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	❑ Inline 10' x 10', **$3,900** ❑ Corner 10' x 10', **$4,500** ❑ Island 20' x 20', **$18,000** ❑ Non-Profit Inline 10' x 10', **$1,800**
Name on Card:	Signature: Date:

In accordance with the terms, conditions and regulations governing exhibits of the AMP 2008 Annual Meeting at the Gaylord Texan Resort & Convention Center, October 30-November 2, 2008, the undersigned hereby makes application for exhibit space(s) that, when accepted by AMP Exhibit Management, becomes a contract. All rules and regulations as outlined in the AMP Annual Meeting Exhibitor Prospectus, as well as any amendments published by AMP, are part of this contract. Failure to abide by such rules and regulations results in forfeiture of all monies paid AMP Exhibit Management under terms of this agreement.

Signature:	Date:

Deadline for Exhibitor Application and Contracts, description of products or services, and payment: June 13, 2008
Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and description of products or services. IMPORTANT: No booths will be held or assigned with out required full pre-payment & company description. Submit your 60-word description of products and services at www.amp.org/2008/exhibitdesc.asp

Please submit completed Exhibitor Application and Contract with payment to:
Maricel M. Herrera, CMP
Director, Meetings and Membership Services
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7939 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Exhibit Space Cancellation Policy: All exhibit space cancellations must be received in writing by AMP Exhibit Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **July 30, 2008** qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **July 31, 2008** and **August 29, 2008**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **August 29, 2008** will forfeit full exhibit space payment

2008 Association for Molecular Pathology 14th Annual Meeting and Exhibits
October 30 - November 2, 2008, Gaylord Texan Resort & Convention Center

Corporate Workshop Application Form

Corporate Workshops Day: Thursday, October 30, 2008
Deadline: June 13, 2008

A full day of corporate sponsored workshops will take place on Thursday, October 30, 2008. Meeting rooms have been reserved for workshop presenters at the Gaylord Texan Resort & Convention Center, in Grapevine, Texas. The fee for each workshop is $3,500 per hour. This fee includes basic audiovisual setup for the room. Catering arrangements should be made directly with the hotel and will be billed directly to you. Up to four workshops will run concurrently during the morning and afternoon sessions. **Please fax your completed Corporate Workshop Application Form to Maricel Herrera by June 13 so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts).** This will allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Texan Resort & Convention Center for other necessary arrangements.

Company:	
Contact Individual(s):	
Address:	Telephone:
	Fax:
	Email:
Title of Workshop you are interested in presenting:	
Maximum number of attendees:	Targeted number of attendees:
How long will the workshop last? (NOTE: $3,500 per hour -includes a basic audio visual setup (Screen, LCD Projector, Podium Mike) ❑ 1 Hour ❑ 2 Hours ❑ 3 Hours	
Format you prefer (please check one): Requested Time Slot: ❑ Classroom ❑ Theater ❑ Demonstration w/6 ft tables ❑ Include _____ Head table(s)	
Special Requirements (electricity, sink, etc.) and Other Information (these requirements will be forwarded to the contact person at the convention services department so they can coordinate with you): **IMPORTANT: Final arrangements must be confirmed directly with the hotel representative.**	
Full payment must accompany this application form for consideration. Payments for Corporate Workshops may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:	

❑ MC ❑ VISA ❑ AMEX	Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	❑ 1 Hour Workshop, **$3,500** ❑ 2 Hour Workshop, **$7,000** ❑ 3 Hour Workshop, **$10,500**
Name on Card:		Signature: Date:

A one paragraph description of your workshop (~100 words) must be submitted online at www.amp.org/2008/wkdesc.asp **by June 13, 2008.** This description will be used for distribution to AMP members, posting on the AMP website's meeting section, in the AMP Newsletter, and publication in the meeting program.

Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and workshop description. Preliminary schedule/assigned time slot will be provided approximately 30 days after submission deadline.

Please submit the completed Corporate Workshop Application Form to:
Maricel M. Herrera, CMP
Director, Meetings and Membership Services
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7939 • Fax: 301-634-7990
Email: *mherrere@amp.org* • Web: www.amp.org

Exhibit Space Cancellation Policy: All exhibit space cancellations must be received in writing by AMP Exhibit Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **July 30, 2008** qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **July 31, 2008** and **August 29, 2008**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **August 29, 2008** will forfeit full exhibit space payment.

2008 Association for Molecular Pathology 14th Annual Meeting and Exhibits
October 30 - November 2, 2008, Gaylord Texan Resort & Convention Center

Sponsorship Opportunities Form

Deadline: September 12, 2008

Activity sponsorship will be individually recognized in the meeting program, on the AMP website, and on signage.
NOTE: All sponsorships for the following activities are credited toward your Corporate Partnership.
Some activities may be fully or partially sponsored. Activities available for sponsorship include:

Event		Full Sponsorship	Partial Sponsorship
Dining Events Sponsorship	Continental Breakfast – Friday, 10/31	☐ $ 5,000	☐ $ 2,500
	Continental Breakfast – Saturday, 11/1	☐ $ 5,000	☐ $ 2,500
	Continental Breakfast – Sunday, 11/2	☐ $ 5,000	☐ $ 2,500
	Morning Coffee Break – Friday, 10/31	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Saturday,11/1	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Sunday, 11/2	☐ $ 2,000	☐ $ 1,000
	Lunch – Friday, 10/31	☐ $12,000	☐ $ 6,000
	Lunch – Saturday, 11/1	☐ $12,000	☐ $ 6,000
	Afternoon Coffee Break – Friday, 10/31	☐ $ 2,000	☐ $ 1,000
	Afternoon Coffee Break – Saturday, 11/1	☐ $ 2,000	☐ $ 1,000
Event/Activity		**Full Sponsorship**	**Partial Sponsorship**
Scientific Session Sponsorship *The Annual Meeting Preliminary Program is available online at www.amp.org* *Note: You may choose to sponsor a specific Workshop or Special Topics Plenary. Contact Maricel Herrera at mherrera@amp.org*	Plenary Session - Genetics	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Hematopathology	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Infectious Diseases	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Solid Tumors	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Special Topics	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Technical Topics	☐ $ 5,000	☐ $ 2,500
	Workshop – Genetics	☐ $ 2,500	☐ $ 1,500
	Workshop – Hematopathology	☐ $ 2,500	☐ $ 1,500
	Workshop – Infectious Diseases	☐ $ 2,500	☐ $ 1,500
	Workshop – Solid Tumors	☐ $ 2,500	☐ $ 1,500
	Workshop – Special Topics	☐ $ 2,500	☐ $ 1,500
	Workshop – Technical Topics	☐ $ 2,500	☐ $ 1,500
Description		**Sponsorship**	
Trainee Support	Trainee Registration Support	☐ $ 1,000	
Education Grant	Unrestricted Education Grant to Sponsor AMP Activities	☐ $_____ (no minimum)	
Pathology Outreach Course	☐ $10,000 Premier Sponsor - COMMITTED	☐ $ 5,000 Sustaining	☐ $2,500 Supporting
Cyber Café, Badges, Lanyards, and Hotel Keycards	Cyber Café	☐ $15,000	
	Bottled Water Sponsorship	☐ $15,000	
	Lanyard Sponsorship	☐ $10,000	
	Hotel Room Keycard Sponsorship	☐ $10,000	

Company:	
Contact Individual:	
Address:	Telephone:
	Fax:
	Email:

Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

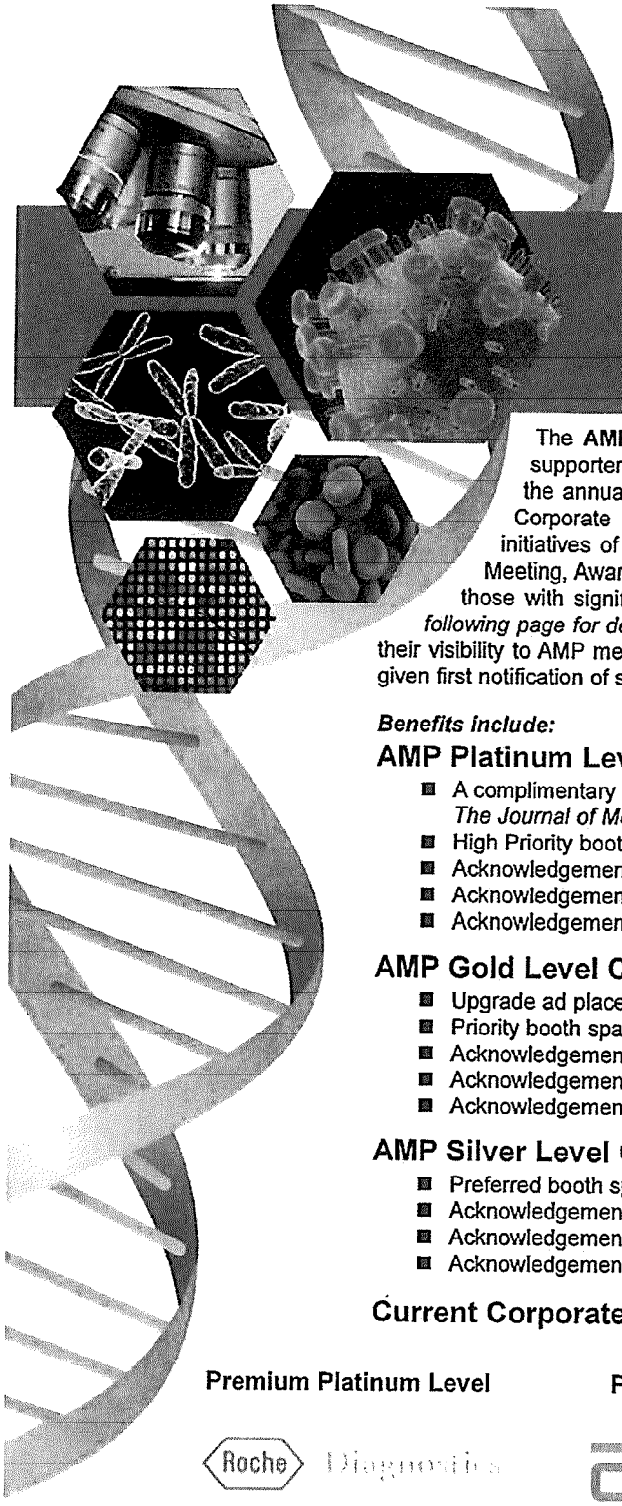
☐ MC ☐ VISA ☐ AMEX Credit Card Account #: Expiration Date:

Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.

Name on Card:	Signature: Date:

Thank you for sponsoring an activity at the AMP Annual Meeting. Please send the completed Sponsorship Opportunities Form and payment by September 12, 2008 to:

Maricel M. Herrera, CMP
Director, Meetings and Membership Services
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7939 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP Corporate Partners Program

The **AMP Corporate Partners Program** is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. Corporate Partnerships are renewable each year and support the educational initiatives of the Association. Contributions received for sponsorship of the Annual Meeting, Awards, AMP Test Directory, and Educational Grants are combined to qualify those with significant interest and investment in AMP as Corporate Partners *(see the following page for details)*. AMP Corporate Partners receive significant benefits that elevate their visibility to AMP members. In addition to the benefits listed below, Corporate Partners are given first notification of selected sponsorship opportunities.

Benefits include:

AMP Platinum Level Corporate Partner ($30,000)

- A complimentary four-color, full page, priority placement ad in any non-meeting issue of *The Journal of Molecular Diagnostics (JMD)*.
- High Priority booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter*.

AMP Gold Level Corporate Partner ($20,000)

- Upgrade ad placement in any non-meeting issue of *JMD*.
- Priority booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter*.

AMP Silver Level Corporate Partner ($10,000)

- Preferred booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter*.

Current Corporate Partners *(as of 3/10/2008)*

Premium Platinum Level

Roche Diagnostics

Platinum Level

Abbott Molecular

Luminex

Gold Level

Beckman Coulter

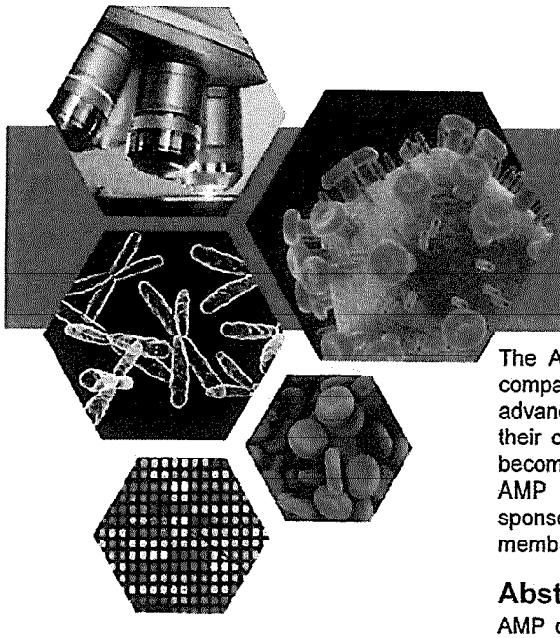
Silver Level

Asuragen

Nanosphere

SEQUENOM

Third Wave Technologies



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

Sponsorship Opportunities

The Association for Molecular Pathology appreciates the financial support that companies provide for AMP programs. There are numerous opportunities for you to advance the field of molecular diagnostics through AMP. Companies may express their commitment to AMP members and the Association's educational mission by becoming Corporate Partners. Whatever the amount of your resources, however, AMP welcomes your support. Educational activities that receive corporate sponsorship are listed below along with the contact information of the AMP staff member who administers the activity.

AMP's primary mission is to advance the practice of clinical molecular laboratory medicine. We welcome all suggestions for additional programs that will help AMP members better serve the health of people around the world.

Abstract Submission Service

AMP contracts with an online abstract submission service. Your support will help defray the cost of this service. Sponsorship is in three-year cycles.
Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Annual Meeting

The AMP Annual Meeting is the Association's most important educational event. Numerous sponsorship opportunities exist to support the scientific sessions, receptions, meeting bags, program book, lead retrieval service, lanyards, internet café, lunches, and breaks.
Contact: Maricel Herrera at *mherrera@amp.org* or (301) 634-7400

Awards

AMP honors individuals at various stages of their careers through several prestigious awards: The AMP Award for Excellence in Molecular Diagnostics, AMP Leadership Award, Young Investigator Award, and Technologist Award. Sponsorship is in three-year cycles.
Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Pathology Outreach

The AMP Training & Education Committee hosts educational initiatives for non-molecular laboratory professionals. These are exciting opportunities to facilitate the growth of molecular diagnostics in mainstream laboratory services.
Programs include:

- Directory of AMP member speakers for local seminars. (support the directory and/or local seminars)
- Pathology Outreach Course, scheduled just prior to the Annual Meeting.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

AMP Test Directory

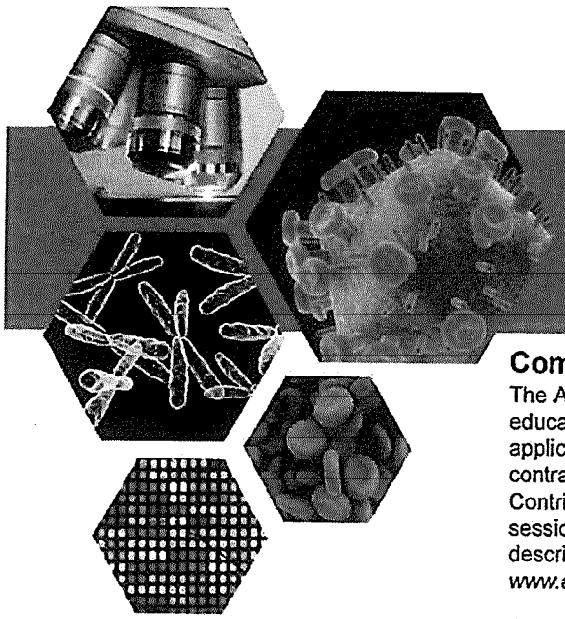
www.amptestdirectory.org

The AMP Test Directory is a popular online directory of molecular tests. Sponsorship is in two-year cycles.
Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Molecular Pathology Essentials: Principles and Practice

This 2½ day course will focus on the essential knowledge and current practice of clinical molecular pathology, with an emphasis on case-based examples and technologies. Topics to be presented include molecular diagnostic testing for genetic disorders, cancer, infectious diseases, pharmacogenetics, identity testing, and laboratory regulations and management.
Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Association for Molecular Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7939
Fax: 301-634-7990
Email: *amp@amp.org*
www.amp.org



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP Corporate Partners Program

Commitment Form

The AMP Corporate Partners Program is a sponsorship of the Association and its educational initiatives through educational grants. A completed and approved application is required to begin implementation of benefits. Corporate Partners contracts are renewable each year. AMP is a 501(c)3 not-for-profit organization. Contributions may be designated to support specific activities such as particular sessions at the annual meeting and/or other sponsorship opportunities. Complete descriptions of sponsorship opportunities are available on the AMP website at *www.amp.org.*

Step 1

Provide contact information and choose your Corporate Partnership Level:

Organization/Company_____

Contact Name_____

Address_____

City_____ State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Please Select Your Corporate Partnership Level:

- ❑ Platinum Partnership, $30,000/year
- ❑ Gold Partnership, $20,000/year
- ❑ Silver Partnership, $10,000/year

Signature_____ Date_____

Step 2

Send this application to Mary Steele Williams *(see address/fax at left)*. **She will be your primary contact at AMP and will arrange a time to discuss your preferred sponsorship activities.**

Do you have questions regarding the AMP Corporate Partners Program?
To discuss activities available for sponsorship or how to best designate your Corporate Partner contribution, contact Mary Steele Williams, Tel: (301) 634-7921 or Email: *mwilliams@amp.org.*

Association for Molecular Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7939
Fax: 301-634-7990
Email: *amp@amp.org*
www.amp.org

Association for Molecular Pathology
9650 Rockville Pike
Bethesda, MD 20814 (USA)
www.amp.org

AMP 14th Annual Meeting & Exhibits

Oct. 30 - Nov. 2, 2008 - Grapevine, Texas (USA)

Your single best opportunity to reach hundreds of molecular laboratory professionals!

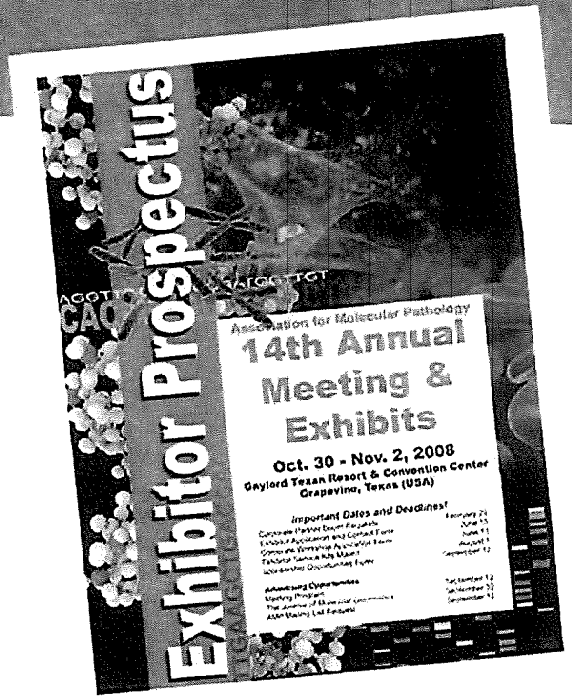


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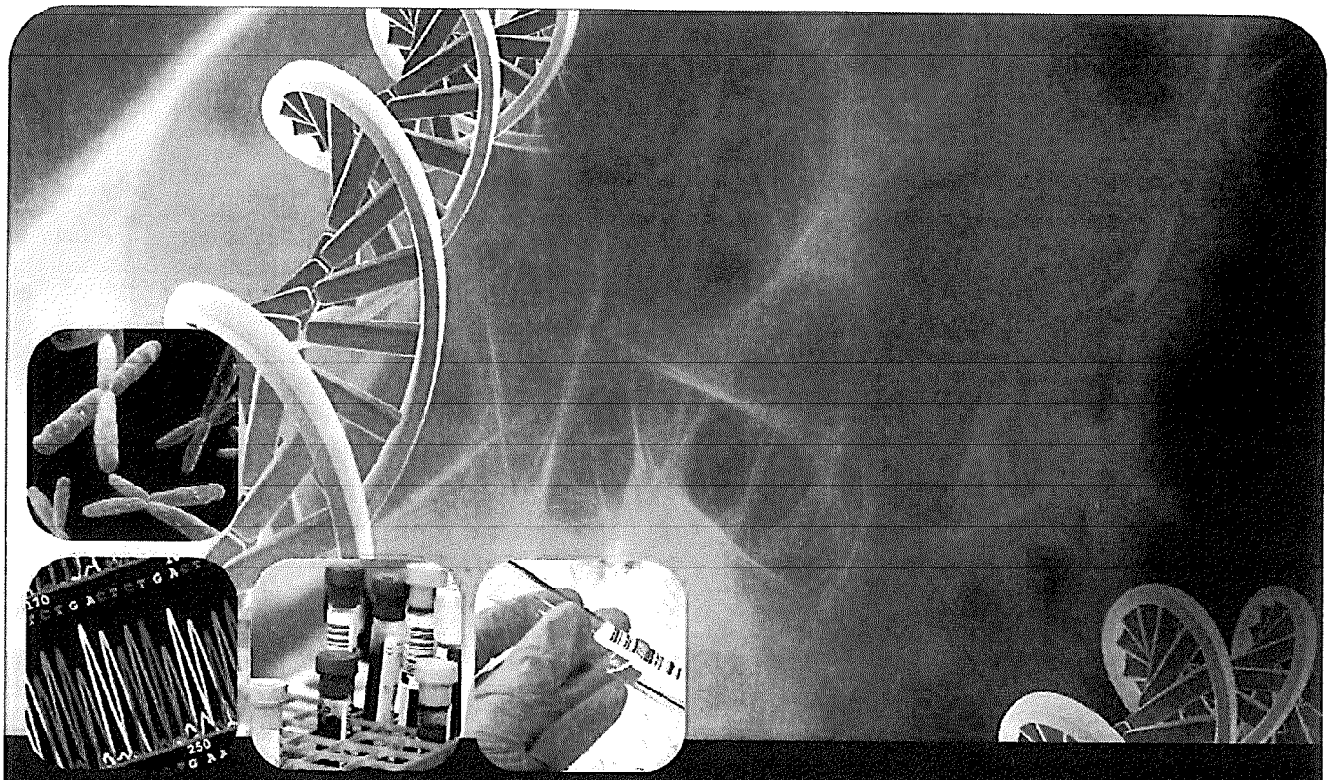
Exhibit 308



Association for Molecular Pathology
15th Annual Meeting & Exhibits

EXHIBITOR PROSPECTUS

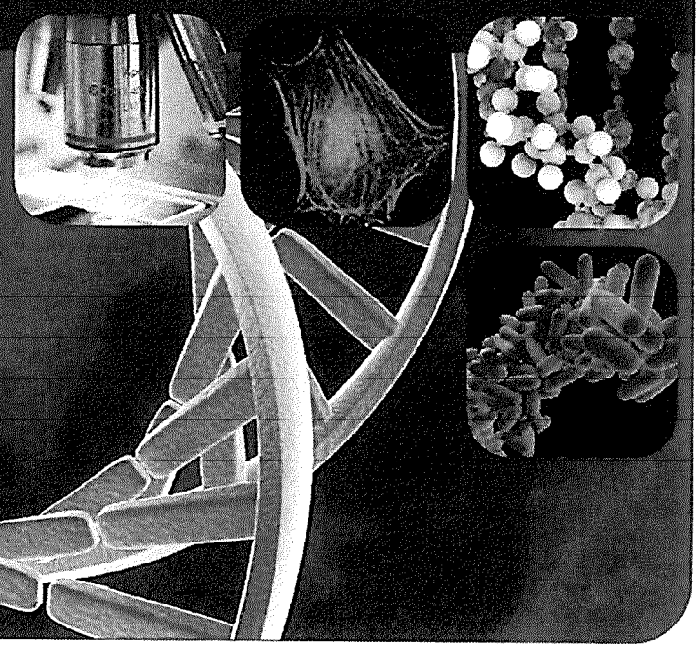
November 19-22, 2009
Gaylord Palms Resort & Convention Center, Kissimmee (Orlando), Florida

Deadlines

Corporate Partner Booth Requests ..... April 1
Abstract Submission Deadline ..... June 2
Exhibitor Application & Contract ..... June 22
Corporate Workshop Application ..... June 22
Sponsorship Opportunities ..... September 30

Advertising Opportunities

The Journal of Molecular Diagnostics ... September 21
Meeting Program ..... September 30
AMP Mailing List Request ..... September 30
Corporate Partners Program ..... *See Details Inside*



Association for Molecular Pathology

2009 Annual Meeting and Exhibits

November 19-22, 2009

Gaylord Palms Resort & Convention Center, Kissimmee (Orlando), Florida

Association for Molecular Pathology

The Association for Molecular Pathology (AMP) is committed to the advancement of clinical molecular diagnostic and prognostic medicine through education and training of practitioners, physicians, laboratory and industrial scientists, and health care professionals involved in patient care and management. AMP supports the development of new technologies in molecular biology to be used in laboratory medicine, including diagnosis, treatment, and prognosis of genetic disorders, cancer, infectious diseases, identity and histocompatibility.

About the Membership

The membership of AMP includes individuals interested in the educational, medical, scientific, economic, and regulatory aspects of molecular diagnostics, including pathologists, clinical laboratory scientists, clinicians and other health care personnel, government employees - especially those involved in regulation of the field - and professionals in the *in vitro* diagnostics industry.

AMP members are involved in every aspect of molecular diagnostics: performance, interpretation, and reporting of molecular diagnostic tests, assay development and validation, and medical education. Many members participate in research aimed at broadening the understanding of gene/protein structure and function, disease processes, and developing new technologies. AMP aims to inform and educate its members as well as other professionals interested in molecular pathology through its annual meeting, publications, website, listserv, and other venues.

Important Dates and Deadlines!

Corporate Partner Booth Requests ..... April 1
Abstract Submission Deadline ..... June 2
Exhibitor Application and Contract Form ..... June 22
Corporate Workshop Application Form ..... June 22
Exhibitor Service Kits Mailed ..... August 1
Sponsorship Opportunities Form ..... September 30
Advertising Opportunities:
The Journal of Molecular Diagnostics ... September 21
Meeting Program ..... September 30
AMP Mailing List Request ..... September 30
AMP Corporate Partners Program .....
..... *(See details on pages 10-12)*

The Association for Molecular Pathology will host its 15th Annual Meeting and Exhibits November 19-22, at the Gaylord Palms Resort & Convention Center in Kissimmee (Orlando), Florida.

This four-day event starts on November 19 with a day of corporate-sponsored workshops. A keynote lecture presented by **Kay Davies, PhD, University of Oxford**, the distinguished recipient of the **2009 AMP Award for Excellence in Molecular Diagnostics**, launches the scientific program on November 20.

Programming includes poster sessions and invited speakers for workshop and plenary sessions in each of the four major areas of clinical molecular diagnostics:

- **Hematopathology**
- **Infectious diseases**
- **Inherited genetic diseases**
- **Solid tumors**

The meeting also includes several technical workshops. Corporate exhibits, working lunch meetings, and casual social gatherings offer opportunities for networking and further exchange with molecular laboratory professionals.

Enclosed is your **2009 Exhibitor Prospectus**. Additional opportunities for Exhibitors include **Corporate Workshops, Dining Event Sponsorships** and **Scientific and Educational Activity Sponsorships**. Our **Corporate Partners** program offers our Exhibitors additional opportunities for high visibility to the molecular pathology community.

Mark Your Calendars...

Association for Molecular Pathology

AMP 2010 Annual Meeting & Exhibits

November 17-20, 2010
San Jose McEnery Convention Center
San Jose, CA

Exhibitor Information

Exhibitor Information & Application Forms on the Web

The Exhibitor Prospectus is available in its entirety at: www.amp.org/2009/exhibits.htm

- Preliminary Program
- Rules and Regulations for Exhibiting
- General Information
- Exhibitor Application and Contract
- Corporate Partners Program Information
- Sponsorship Opportunities
- Advertising Opportunities
- Mailing List Information
- Services and Official Contractor
- Union Regulations
- Corporate Workshop Information and Application
- Exhibitor Badges Form
- Current Exhibiting Companies and Booth Assignments

Exhibit Space Rental

All booths are 10' x 10' or 20' x 20'. The maximum height in the exhibit area is 24 feet. Rental includes 8 ft. high back drapes, 3 ft. high side dividers and a standard (7" X 44") identification sign with company name.

Booth Fees

10 X 10 Inline $3,900
10 X 10 Corner $4,500
20 X 20 Island $18,000
10 x 10 Non-Profit Inline $1,800

Please submit your completed **Exhibitor Application and Contract** (page 7) by **June 22, 2009**.

Exhibitor Registration Hours

Wednesday, November 18 ..... 2:00 pm - 6:00 pm
Thursday, November 19 ..... 8:00 am - 6:00 pm
Friday, November 20 ..... 8:00 am - 6:00 pm
Saturday, November 21 ..... 8:00 am - 6:00 pm

Exhibit Installation

Thursday, November 19 ..... 8:00 am - 4:00 pm

Exhibit Hours

Friday, November 20 ..... 9:00 am - 5:00 pm
Saturday, November 21 ..... 9:00 am - 5:00 pm

Dismantling of Exhibits

Saturday, November 21 ..... 5:00 pm - 9:00 pm

*No packing or dismantling of exhibits will be permitted until **5:00 pm, Saturday, November 21**. Early departure will result in the company or group being penalized including being banned from future tradeshows. When planning your dismantling and departure to follow the show, please allow no less than 3 hours for return of all empty shipping materials from storage. We strongly recommend that you advise your staff to make appropriate departure plans; i.e. plan to depart late Saturday evening or Sunday morning and to not count on being able to depart on Saturday afternoon.*

Exhibitor Rules & Regulations

- **Electronic Lead Retrieval**
  Attendees at the 2009 AMP Annual Meeting will carry electronic cards. Lead retrieval services will be provided by Trade Show Leads. Exhibitors will have the opportunity to rent lead retrieval services as part of their exhibit booth package.
- **Exhibitor Badges**
  Exhibitors badges must be worn at all times, and allow access to the Exhibit Hall and Plenary Sessions ***only.*** Exhibitors will receive 6 badges per 10' x 10' booth space, 12 badges per 10' x 20' booth space, and 24 badges per 20' X 20' booth space; additional Exhibitor badges will be available at a fee of $50.00/each. Additionally, each exhibiting company will be entitled to six Guest of Exhibitor badges; the Guest badges will be available for pick up at registration by the designated company representative. Exhibitor name badge requests must be submitted through the AMP Website at www.amp.org/2009/exhibits.htm
- **Promotional Items and Activities**
  Companies wishing to conduct contests or drawings should contact the AMP office at 301-634-7400 for guidelines and permission. Exhibiting companies are permitted to distribute promotional materials and other items at their Exhibit Booth location only. All items distributed must be useful to the professional activities of the meeting attendees, and be made available to all meeting attendees as long as supplies last.
  No soliciting of registrants is permitted in the aisles or in other exhibitor's booths, or in any other area of the hotel. No distribution of literature or other promotional items at hotel guestrooms, or in any other public or private area of the hotel is permitted.
- **Subletting Exhibit Space**
  Subletting any part of the exhibit space by an exhibitor is prohibited.
- **Sale of Goods**
  The sale of goods or services of any kind in the exhibit area in connection with the Annual Meeting is prohibited. Order taking is permitted.
- **Booth Relocation**
  AMP reserves the right to relocate space to areas other than that selected by the exhibitor. Relocations will be made only upon notification to the exhibitor by Exhibit Management. Management strives for, but cannot guarantee, that a company will not be located near a competitor.
- **Exhibit Space Cancellation**
  All exhibit space cancellations must be received in writing by AMP Exhibit Management.
- Cancellations received on or before **August 20, 2009**, qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 21, 2009** and **September 20, 2009**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 20, 2009**, will forfeit full exhibit space payment.

ILLUM-0403

Exhibitor Information

Ancillary and Satellite Events

AMP encourages ancillary meetings and events during the annual meeting provided that they are not scheduled while *any* official AMP scientific sessions or sponsored social events are scheduled.

Individuals who wish to schedule an ancillary event (non-AMP event held during the AMP Annual Meeting dates of November 19-22), or a satellite event (non-AMP event to be held during dates immediately before or immediately after the official AMP dates) should contact Maricel Herrera in the AMP Administrative office (*mherrera@amp.org*) by June 1.

Rules which apply to Ancillary and Satellite events:

1. All ancillary and satellite events must be cleared through the AMP Administrative Office. The title, time and location of all approved events will be included in the Meeting Program and Website. Space may be available at the Gaylord Palms on a first-come, first-served basis. There will be an administrative fee for any space released by AMP. Should the purpose for any function be misrepresented to the AMP administrative office, the group sponsoring such function will be penalized by AMP, including being suspended from participation in future AMP events.

2. Ancillary events must not overlap with AMP scientific sessions as outlined in the preliminary meeting schedule. (AMP is not responsible for subsequent schedule changes made by the Program Committee and will inform organizers if their requested time must be changed).

3. AMP does not assist with the planning, funding, or management of ancillary or satellite events. Organizers will be responsible for all arrangements and costs associated with their events which may include: room rental, audio-visual equipment, food and beverages. Ancillary and satellite events scheduled by September 15, 2009 will be listed in printed program information and on the AMP Annual Meeting Web site.

4. AMP will not release or assign any of its meeting space to commercial companies that are not already contracted to exhibit at the Annual Meeting.

5. Ancillary and Satellite organizers are not permitted to display signs or brochures in any of the public areas of the Convention Center/Hotel. Signs can be displayed outside the meeting room on the day of the event.

6. Organizers will be informed of their confirmed room assignment in August.

Contact Information

Exhibit Management
Maricel M. Herrera, CMP
Director of Meetings
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Travel Information

Hotel Accommodations

Accommodations are available for exhibitors and attendees at the Gaylord Palms Resort & Convention Center where sessions and exhibits will be held. The 65 acre property is located just 1.5 miles from the main gate of WALT DISNEY WORLD® Resort. AMP has negotiated a special rate of $199 standard single/double rooms. Room block opens May 1st for reservations. **Be sure to make reservations by October 18**; afterward the discounted room rate may not apply. To make reservations please follow the link at www.amp.org (Reservations will be accepted beginning Monday, May 4th)

Note regarding exhibitor hotel reservations:
As a result of the large number of last minute cancellations and no-shows, **a full, non-refundable prepayment is required on all reservations at time of booking for non-registered meeting attendees.**

For general information, visit the Gaylord Palms Resort & Convention Center hotel website at:
http://www.gaylordhotels.com/gaylord-palms/

Air Travel Discounts

AirCanada is offering a discount of 10% off the lowest available fare by simply booking online at the AirCanada website! Go to www.aircanada.com and enter our event code **X6JXWCX1** in the search panel to take advantage of this discount.

American Airlines is offering a discount of up to 10% on airfare, plus other travel discount options to and from the AMP Annual Meeting. The percentage discount can be booked online at www.aa.com for AA/AE flights or at 1-800-221-2255 through the AA Group Sales Reservation Desk. Please mention the star file **AN#A72N9AD** for our group (AMP Annual Meeting) to receive your special fare.

JetBlue Airways is offering a 5% discount off the lowest available fare by simply booking online at the JetBlue website! Go to www.jetblue.com/promo and enter our event code **AFMP09** to take advantage of this discount.

Ground Transportation & Car Rentals

Avis Rent a Car will be providing rental discounts to our group for ground transportation. To make rental car reservations, call the Avis Rent A Car Convention Desk directly at 1-800-331-1600. The desk is available to assist you twenty four hours a day, but you must reference the group file **AWD#D086607** to obtain the best possible car rental rates available. The Gaylord Palms has a daily fee of $12.00 for Self Parking and $20.00 for Valet service.

Mears Transportation has teamed up with Gaylord Palms Resort & Convention Center to provide a seamless guest experience, which begins the moment a guest arrives at the airport. Mears Transportation provided 24-hour shuttle service to and from the Orlando International Airport. Please call the 24-hour reservations line at (407) 423-5566.

Workshop & Sponsorship Opportunities

Workshop & Sponsorship Opportunities

Sponsoring activities at the Annual Meeting is an ideal way to get your company noticed by attendees. All functions may be either fully or partially sponsored; companies providing sponsorship will be individually recognized in the Meeting Program and signage at the event.

We offer an exciting opportunity for those who provide significant support to be recognized as "Corporate Partners." *Complete details of the AMP Corporate Partners Program is located at the end of this Prospectus.*

Sponsorship Opportunities

Activity Sponsorships will be individually recognized in the Meeting Program. Activities available for sponsorship include: Plenary Sessions, Workshops, Continental Breakfasts, Morning Coffee Breaks, Lunch, Afternoon Coffee Breaks, Trainee Registration Support, and support for other AMP activities. Sponsorship of educational activities requires an unrestricted educational grant. If you are interested in sponsoring an activity, please fax your completed **Sponsorship Opportunities Form** to Maricel Herrera by **September 30**.

Corporate Workshops Day

A full day of corporate sponsored workshops will take place on Thursday, November 19. Meeting rooms have been reserved for workshop presenters at the Gaylord Palms Resort & Convention Center. The fee for each workshop is $3,500 per hour and includes basic audio visual setup. Catering arrangements should be made directly with the hotel and will be billed directly to you. Workshops will run concurrently during the morning and afternoon sessions.

Deadline for submitting the completed **Corporate Workshop Application Form** (page 8) and description is **June 22** so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts). This will also allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Palms Resort & Convention Center for other necessary arrangements.

A schedule and full description of Corporate Workshops will be posted on the AMP website at www.amp.org, and in the Fall 2009 *AMP Newsletter*.

Corporate Partners

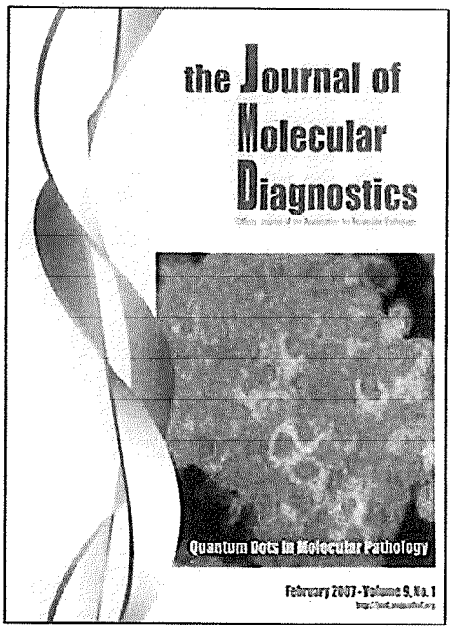
The AMP Corporate Partners Program is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. See complete information in the Corporate Partnerships section at the end of this Prospectus (see pages 10-12).

2008 Annual Meeting Demographics

Total Scientific Attendees - 1010
Exhibitors - 116

2008 Exhibitors

AAB Proficiency Testing Service
Abbott Molecular, Inc.
Acrometrix
Affymetrix, Inc
Althea Technologies, Inc
American Society for Clinical Pathology
Analytical Genetics Technology Centre
Applied Imaging/Genetix
Argene, Inc
ARTEL
ARUP Laboratories
Asuragen, Inc
Attostar LLC
Aurora Biomed Inc
AutoGen, Inc.
Autogenomics, Inc
Avero Diagnostics
BioArray Solutions
BD Diagnostics
Beckman Coulter, Inc.
BioHelix Corporation
bioMerieux, Inc.
Bioplastics Cyclertest, Inc
Biosearch Technologies, Inc
Biotage
BioTrove
BioView, Inc
Cepheid Inc
Cerner Corporation
City of Hope National Medical Center
Cleveland Clinic Reference Laboratory
Clinical and Laboratory Standards Institute
College of American Pathologists
Combimatrix Molecular Diagnostics (CMDX)
Copan Diagnostics, Inc
Corbett Robotics, Inc
Cytocell,Ltd./Rainbow Scientific, Inc
DiagnoCure, Inc
DNA Genotek, Inc.
DxS Limited
Elsevier/Saunders/Mosby
Emory Genetics Laboratory
EpigenDx, Inc
Eppendorf North America
Eragen Biosciences
Eurogentec North America
Fisher HealthCare
Fluidigm Corporation
Focus Diagnostics
GenomeWeb LLC
Genomic Health, Inc
GenPath
Gen-Probe Inc.
Genvault Corporation
HandyLab
Idaho Technology, Inc
Ikonisys, Inc
Illumina, Inc
Innogenetics, Inc
InVivoScribe Technologies, LLC
IPSOGEN
Laboratory for Personalized Molecular Medicine
Lippincott Williams & Wilkins
Luminex Corporation
Maine Molecular Quality Controls, Inc
MetaSystems Group, Inc
Miltenyi Biotec, Inc
MP Biomedicals, LLC
Nanogen, Inc.
Nanosphere, Inc.
NorDiag
Olympus America Inc.
OpGen
Osmetech Molecular Diagnostics
ParagonDx, LLC
Pathwork Diagnostics, Inc.
PreAnalytiX
PrimeraDx
Prodesse
Promega Corporation
QIAGEN, INC
Roche Applied Science
Roche Diagnostics Corporation
Sci Gene
Sequenom, Inc
SeraCare Life Sciences, Inc
Siemens Healthcare Diagnostics
Signature Genomic Laboratories, LLC
Skyline Diagnostics LLC
SoftGenetics, LLC
Spartan Bioscience, Inc
StemCell Technologies, Inc
Sysmex
Tepnel Lifecodes Corporation
Tetracore, Inc
Thermo Scientific/Nanodrop
Third Wave Technologies
TIB Molbiol
Transgenomic, Inc
TriCore Reference Laboratories
Trim Gen Corporation
ViraCor
Xceed Molecular
ZeptoMetrix Corporation



The Journal of Molecular Diagnostics

Editor-in-Chief: Karen L. Kaul, MD, PhD
Evanston Hospital/Northwestern University Medical School

The Journal of Molecular Diagnostics (JMD), the official publication of the Association for Molecular Pathology, co-published with the American Society for Investigative Pathology, publishes high-quality original papers on scientific advances in the translation and validation of molecular discoveries in medicine into the clinical diagnostic setting, and the description and application of technological advances in the field of molecular diagnostic medicine.

Annual Meeting/Abstracts Issue: November 2009
Insertion orders and materials due:
September 21, 2009
Circulation: 3,500 Paid Subscribers

One complementary copy of the November 2009 issue of *The Journal of Molecular Diagnostics* will be distributed to each meeting attendee and Exhibit Booth.

Rate Card online at:
www.amp.org/Advertising/RateCard.pdf

To advertise in *JMD*, contact:
Robyn Engelson
FASEB AdNet
9650 Rockville Pike, Bethesda, MD 20814
Tel: 800-43-FASEB ext 7103
Email: *rengelson@faseb.org*

Meeting Program

Special Offer to *JMD* Advertisers: Purchase your full-page ad in the November 2009 issue of *JMD* and receive 50% rebate off the pricing below for ads placed in the Meeting Program.

Display Advertising

Back Cover of Meeting Program - Color, 7" x 10"	$2,875
Inside Front or Back Cover - color, 7" x 10"	$2,015
Inside Front or Back Cover - b/w, 7" x 10"	$1,350
Full page b/w only, 7" x 10"	$1,100
Page Horizontal - b/w only, 7" x 4.75"	$ 850
1/2 Page Vertical - b/w only, 3.25" x 10"	$ 850
1/4 Page Vertical - b/w only, 3.25" x 4.75"	$ 500

Specifications
Color Ad: PDF (embed fonts), jpg, or tif
Black and White Ads: 300 dpi tif, pcx, or PDF (embed fonts)

Program insertion orders and materials due:
September 21, 2009

Send materials to:
Laurie Menser
Director of Marketing,
The American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993
Tel: 301-634-7943; Fax: 301-634-7961
Email: *lmenser@asip.org*

Promotional Opportunities Included with your AMP Exhibitor Contract:

Program Listing
A floor plan of the Exhibit Hall and a list of all confirmed exhibiting companies will be included in the Meeting Program. The Meeting Program will be distributed to all meeting attendees. Additionally, the information will be posted online at www.amp.org.

On-Site Program
Exhibitors must provide a 60-word product description to be included in the Exhibit Guide. This guide is distributed to all meeting attendees. This opportunity to advertise your products and services is complimentary and is available only to AMP's exhibitors and supporters. Product description must be submitted by **June 22.**

Registration List
AMP will provide a complete registration list to exhibitors within 30 days of the annual meeting or by December 22, 2009. The registration list will be a read-only PDF file and does not include email addresses. The information is the sole property of AMP and cannot be reproduced in any form without express written permission.

AMP Membership List
Exhibitors are entitled to a 50% discount for a one-time use of the AMP Membership Mailing List (approximately 1,500 names & addresses) for use in advertising their products and services. (Email addresses are not provided.) Requests must be made via email to Maricel Herrera at *mherrera@amp.org* no later than **September 30**.

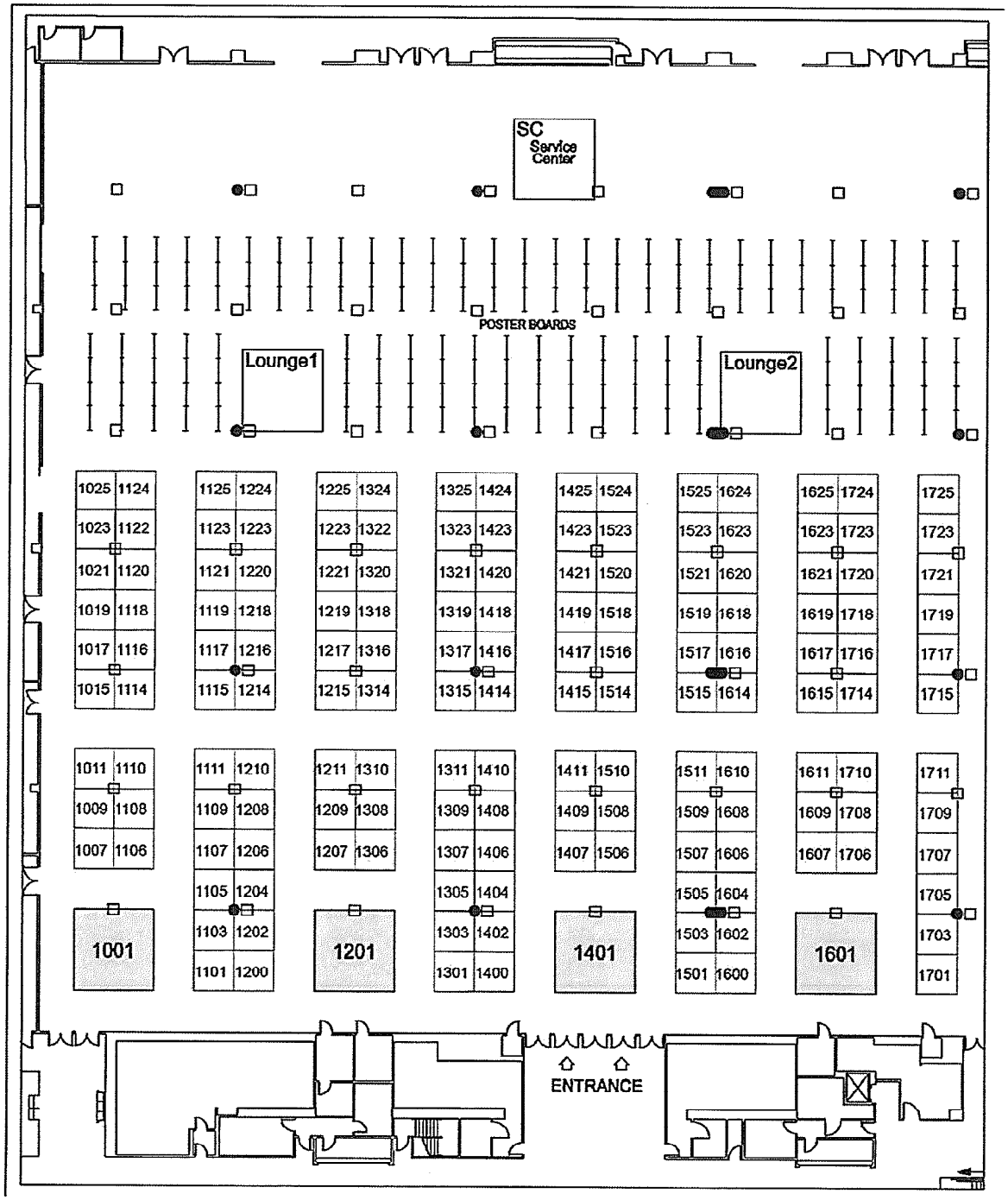
ILLUM-0406

Exhibit Hall & Booth Floor Plan

Exhibit Schedule – Florida Exhibition Hall

Friday, November 20 9:00 am – 5:00 pm

Saturday, November 21 9:00 am – 5:00 pm



ILLUM-0407

15th ANNIVERSARY AMP.org Association for Molecular Pathology

2009 Association for Molecular Pathology 15th Annual Meeting and Exhibits
November 19-22, 2009, Gaylord Palms Resort & Convention Center

Exhibitor Application and Contract

Exhibit Days: November 20-21, 2009
Deadline: June 22, 2009

Company Name: *(Please list company name as you would like it to appear in the AMP 2009 program, exhibitor badges and any required signage)*		
Contact Individual: *(This person will receive all AMP 2009 exhibitor correspondence)*		
Address:		Telephone:
City:	State/Province:	Fax:
Zip/Postal Code	Country:	Email:

Booth Choices: 1._____ 2._____ 3._____ 4._____	Total Square Footage:	List any exhibitor(s) you wish to be near: List any exhibitor(s) you do not wish to be near:

Signage

☐ NO, We do not require an identification sign
☐ YES, We do require an identification sign

Product Description

A 60-word description of products or services must be submitted with your application for inclusion in the Program. Descriptions exceeding 60 words may be edited by the AMP administrative office. Please submit online at www.amp.org/2009/exhibitdesc.asp.
☐ 60-word Product Description submitted at www.amp.org by **June 22, 2009**.

Payment of Fees

Full payment must accompany the Exhibitor Application and Contract Form or it will not be processed. Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

☐ MC ☐ VISA ☐ AMEX Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	☐ Inline 10' x 10', **$3,900** ☐ Corner 10' x 10', **$4,500** ☐ Island 20' x 20', **$18,000** ☐ Non-Profit Inline 10' x 10', **$1,800**
Name on Card:	Signature: Date:

In accordance with the terms, conditions and regulations governing exhibits of the AMP 2009 Annual Meeting at the Gaylord Palms Resort & Convention Center, November 19-22, 2009, the undersigned hereby makes application for exhibit space(s) that, when accepted by AMP Exhibit Management, becomes a contract. All rules and regulations as outlined in the AMP Annual Meeting Exhibitor Prospectus, as well as any amendments published by AMP, are part of this contract. Failure to abide by such rules and regulations results in forfeiture of all monies paid AMP Exhibit Management under terms of this agreement.

Signature:	Date:

Deadline for Exhibitor Application and Contracts, description of products or services, and payment: June 22, 2009
Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and description of products or services. IMPORTANT: No booths will be held or assigned with out required full pre-payment & company description. Submit your 60-word description of products and services at www.amp.org/2009/exhibitdesc.asp

Please submit completed Exhibitor Application and Contract with payment to:
Maricel M. Herrera, CMP
Director of Meetings
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Exhibit Space Cancellation Policy: All exhibit space cancellations must be received in writing by AMP Exhibit Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **August 20, 2009** qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 21, 2009** and **September 20, 2009**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 20, 2009** will forfeit full exhibit space payment

ILLUM-0408

15th ANNIVERSARY AMP.org Association for Molecular Pathology

2009 Association for Molecular Pathology 15th Annual Meeting and Exhibits
November 19-22, 2009, Gaylord Palms Resort & Convention Center

Corporate Workshop Application Form

Corporate Workshops Day: Thursday, November 19, 2009
Deadline: June 22, 2009

A full day of corporate sponsored workshops will take place on Thursday, November 19, 2009. Meeting rooms have been reserved for workshop presenters at the Gaylord Palms Resort & Convention Center, in Kissimmee, Florida. The fee for each workshop is $3,500 per hour. This fee includes basic audiovisual setup for the room. Catering arrangements should be made directly with the hotel and will be billed directly to you. Up to four workshops will run concurrently during the morning and afternoon sessions. **Please fax your completed Corporate Workshop Application Form to Maricel Herrera by June 22 so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts).** This will allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Palms Resort & Convention Center for other necessary arrangements.

Company:	
Contact Individual(s):	
Address:	Telephone:
	Fax:
	Email:
Title of Workshop you are interested in presenting:	
Maximum number of attendees:	Targeted number of attendees:
How long will the workshop last? (NOTE: $3,500 per hour -includes a basic audio visual setup (Screen, LCD Projector, Podium Mike) ❑ 1 Hour ❑ 2 Hours ❑ 3 Hours	
Format you prefer (please check one below): ❑ Classroom ❑ Theater ❑ Demonstration w/6 ft tables ❑ Include _____ Head table(s)	Requested Time Slot:
Special Requirements (electricity, sink, etc.) and Other Information (these requirements will be forwarded to the contact person at the convention services department so they can coordinate with you): **IMPORTANT: Final arrangements must be confirmed directly with the hotel representative.**	
Full payment must accompany this application form for consideration. Payments for Corporate Workshops may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:	
❑ MC ❑ VISA ❑ AMEX Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	❑ 1 Hour Workshop, **$3,500** ❑ 2 Hour Workshop, **$7,000** ❑ 3 Hour Workshop, **$10,500**
Name on Card:	Signature: Date:

A one paragraph description of your workshop (~100 words) must be submitted online at www.amp.org/2009/wkdesc.asp **by June 22, 2009.** This description will be used for distribution to AMP members, posting on the AMP website's meeting section, in the AMP Newsletter, and publication in the meeting program.

Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and workshop description. Preliminary schedule/assigned time slot will be provided approximately 30 days after submission deadline.

Please submit the completed Corporate Workshop Application Form to:
Maricel M. Herrera, CMP
Director of Meetings
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Corporate Workshop Cancellation Policy: All corporate workshop cancellations must be received in writing by AMP Meeting Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **August 20, 2009** qualify for a 90% refund of all monies paid for workshop time slot.
- Any company cancelling its workshop time slot between **August 21, 2009 and September 20, 2009**, will forfeit 50% of the total cost of their corporate workshop payment.
- Any company cancelling after **September 20, 2009** will forfeit full corporate workshop payment.

ILLUM-0409

2009 Association for Molecular Pathology 15th Annual Meeting and Exhibits
November 19-22, 2009, Gaylord Palms Resort & Convention Center

Sponsorship Opportunities Form

Deadline: September 30, 2009

Activity sponsorship will be individually recognized in the meeting program, on the AMP website, and on signage.
NOTE: All sponsorships for the following activities are credited toward your Corporate Partnership.
Some activities may be fully or partially sponsored. Activities available for sponsorship include:

Event		Full Sponsorship	Partial Sponsorship
Dining Events Sponsorship	Continental Breakfast – Friday, 11/20	☐ $ 5,000	☐ $ 2,500
	Continental Breakfast – Saturday, 11/21	☐ $ 5,000	☐ $ 2,500
	Continental Breakfast – Sunday, 11/22	☐ $ 5,000	☐ $ 2,500
	Morning Coffee Break – Friday, 11/20	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Saturday,11/21	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Sunday, 11/22	☐ $ 2,000	☐ $ 1,000
	Lunch – Friday, 11/20	☐ $12,000	☐ $ 6,000
	Lunch – Saturday, 11/21	☐ $12,000	☐ $ 6,000
	Afternoon Coffee Break – Friday, 11/20	☐ $ 2,000	☐ $ 1,000
	Afternoon Coffee Break – Saturday, 11/21	☐ $ 2,000	☐ $ 1,000
Event/Activity		**Full Sponsorship**	**Partial Sponsorship**
Scientific Session Sponsorship *The Annual Meeting Preliminary Program is available online at www.amp.org* *Note: You may choose to sponsor a specific Workshop or Special Topics Plenary. Sponsorship of educational activities requires an unrestricted educational grant.* *Contact Maricel Herrera at mherrera@amp.org*	Plenary Session – Genetics	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Hematopathology	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Infectious Diseases	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Solid Tumors	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Special Topics	☐ $ 5,000	☐ $ 2,500
	Plenary Session – Technical Topics	☐ $ 5,000	☐ $ 2,500
	Workshop – Genetics	☐ $ 2,500	☐ $ 1,500
	Workshop – Hematopathology	☐ $ 2,500	☐ $ 1,500
	Workshop – Infectious Diseases	☐ $ 2,500	☐ $ 1,500
	Workshop – Solid Tumors	☐ $ 2,500	☐ $ 1,500
	Workshop – Special Topics	☐ $ 2,500	☐ $ 1,500
	Workshop – Technical Topics	☐ $ 2,500	☐ $ 1,500
Description			**Sponsorship**
Trainee Support	Trainee Registration Support	☐ $ 1,000	
Education Grant	Unrestricted Education Grant to Sponsor AMP Activities	☐ $_____ (no minimum)	
Pathology Outreach Course	☐ $10,000 Supporter - COMMITTED		
Cyber Café, Badges, Lanyards, and Hotel Keycards	Cyber Café	☐ $15,000	
	Bottled Water Sponsorship	☐ $15,000	
	Lanyard Sponsorship	☐ $10,000	
	Hotel Room Keycard Sponsorship	☐ $10,000	

Company:

Contact Individual:

Address:

Telephone:

Fax:

Email:

Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

☐ MC ☐ VISA ☐ AMEX Credit Card Account #: Expiration Date:

Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.

Name on Card: Signature: Date:

Thank you for sponsoring an activity at the AMP Annual Meeting. Please send the completed Sponsorship Opportunities Form and payment by September 30, 2009 to:

Maricel M. Herrera, CMP
Director of Meetings
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

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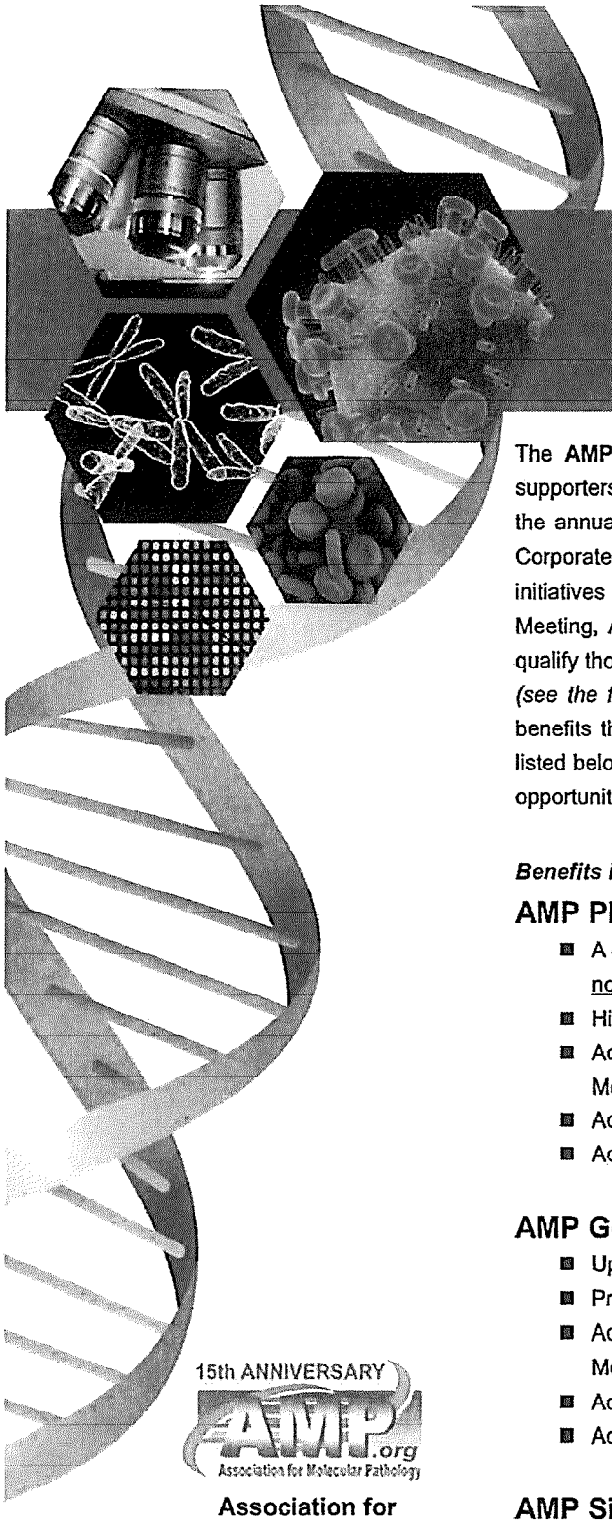

Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2009 AMP Corporate Partners Program

The **AMP Corporate Partners Program** is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. Corporate Partnerships are renewable each year and support the educational initiatives of the Association. Contributions received for sponsorship of the Annual Meeting, Awards, AMP Test Directory, and Educational Grants are combined to qualify those with significant interest and investment in AMP as Corporate Partners *(see the following page for details)*. AMP Corporate Partners receive significant benefits that elevate their visibility to AMP members. In addition to the benefits listed below, Corporate Partners are given first notification of selected sponsorship opportunities.

Benefits include:

AMP Platinum Level Corporate Partner ($30,000)

- A complimentary four-color, full page, priority placement ad in any non-meeting issue of *The Journal of Molecular Diagnostics (JMD).*
- High Priority booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter.*

AMP Gold Level Corporate Partner ($20,000)

- Upgrade ad placement in any non-meeting issue of *JMD.*
- Priority booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter.*

AMP Silver Level Corporate Partner ($10,000)

- Preferred booth space location for the Annual Meeting.
- Acknowledgement in advertisements for the Annual Meeting and in the Meeting Program.
- Acknowledgement on the AMP website.
- Acknowledgement in the *AMP Newsletter.*

15th ANNIVERSARY

AMP.org Association for Molecular Pathology

Association for Molecular Pathology
Mary Steele Williams, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

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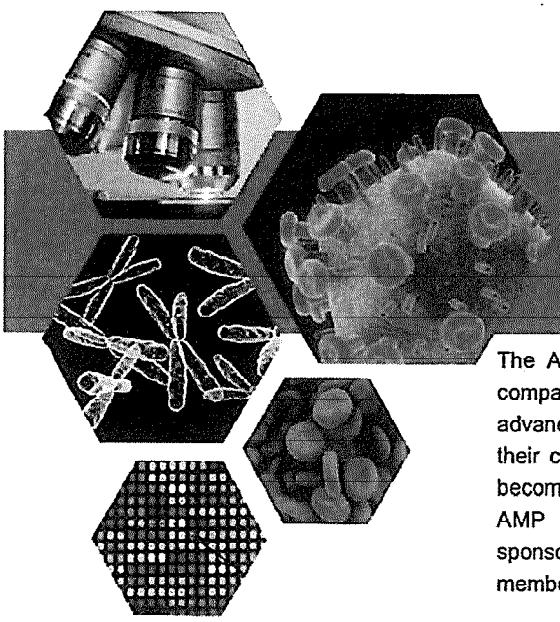


Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

Sponsorship Opportunities

The Association for Molecular Pathology appreciates the financial support that companies provide for AMP programs. There are numerous opportunities for you to advance the field of molecular diagnostics through AMP. Companies may express their commitment to AMP members and the Association's educational mission by becoming Corporate Partners. Whatever the amount of your resources, however, AMP welcomes your support. Educational activities that receive corporate sponsorship are listed below along with the contact information of the AMP staff member who administers the activity.

AMP's primary mission is to advance the practice of clinical molecular laboratory medicine. We welcome all suggestions for additional programs that will help AMP members better serve the health of people around the world.

Abstract Submission Service

AMP contracts with an online abstract submission service. Your support will help defray the cost of this service. Sponsorship is in three-year cycles.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Annual Meeting

The AMP Annual Meeting is the Association's most important educational event. Numerous sponsorship opportunities exist to support the scientific sessions, receptions, meeting bags, program book, lanyards, internet café, lunches, and breaks. Sponsorship of scientific sessions will be in the form of an unrestricted educational grant.

Contact: Maricel Herrera at *mherrera@amp.org* or (301) 634-7400

Awards

AMP honors individuals at various stages of their careers through several prestigious awards: The AMP Award for Excellence in Molecular Diagnostics, AMP Leadership Award, Young Investigator Award, and Technologist Award. Sponsorship is in three-year cycles.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Pathology Outreach

The AMP Training & Education Committee hosts educational initiatives for non-molecular laboratory professionals. These are exciting opportunities to facilitate the growth of molecular diagnostics in mainstream laboratory services. The **Pathology Outreach Course** is a full-day course scheduled one day prior to the AMP Annual Meeting. Sponsorship will be in the form of an unrestricted educational grant.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

AMP Webinars

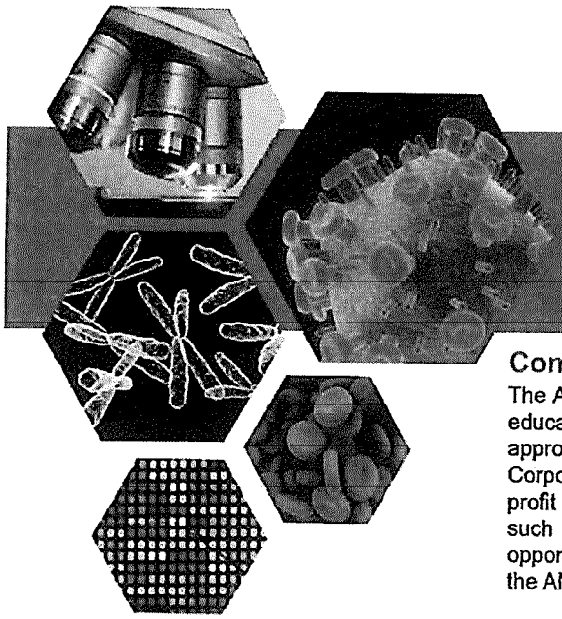
Web-based courses covering topics in molecular pathology. These are exciting opportunities to facilitate the growth of molecular diagnostics in mainstream laboratory services.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

15th ANNIVERSARY AMP.org Association for Molecular Pathology

Association for Molecular Pathology
Mary Steele Williams, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

ILLUM-0412



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2009 AMP Corporate Partners Program

Commitment Form

The AMP Corporate Partners Program is a sponsorship of the Association and its educational initiatives through unrestricted educational grants. A completed and approved application with payment is required to begin implementation of benefits. Corporate Partner contracts are renewable each year. AMP is a 501(c)3 not-for-profit organization. Contributions may be designated to support specific activities such as particular sessions at the annual meeting and/or other sponsorship opportunities. Complete descriptions of sponsorship opportunities are available on the AMP website at *www.amp.org.*

Select Your 2009 Corporate Partnership Level:

- ❑ Platinum Partnership, $30,000/year
- ❑ Gold Partnership, $20,000/year
- ❑ Silver Partnership, $10,000/year

Select Your Payment Plan:

- ❑ Full Payment Enclosed
- ❑ Four (4) Payment Plan:

Please include the first payment with this form.
#1 - 25% due 3/31/2009

AMP will invoice you one month prior to the payment-due date for the following 3 payments. Invoice will be sent to the contact name listed at right.
#2 - 25% - payment due 5/31/2009
#3 - 25% - payment due 7/31/2009
#4 - 25% - payment due 10/31/2009

Contact Information:

Organization/Company_____

Contact Name_____

Address_____

City_____ State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Payment: *(please indicate desired partnership level and payment plan at left)*

❑ Check enclosed *(made payable to "Association for Molecular Pathology" or "AMP")*

Charge my credit card* Amount $_____

❑ VISA ❑ MasterCard ❑ American Express

Credit Card #_____ Exp Date_____

Card Holder Name *(please print)*_____

Signature_____ Date_____

Credit Card Billing Address_____

City_____ State_____ ZIP_____ Country_____

***IMPORTANT:** If paying by credit card, the charge on your credit card statement will be from the American Society for Investigative Pathology (ASIP). AMP is a constituent society of the office of the American Society for Investigative Pathology and uses the ASIP credit card processing system.

15th ANNIVERSARY AMP.org Association for Molecular Pathology

Association for Molecular Pathology
Mary Steele Williams, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

ILLUM-0413

15th ANNIVERSARY

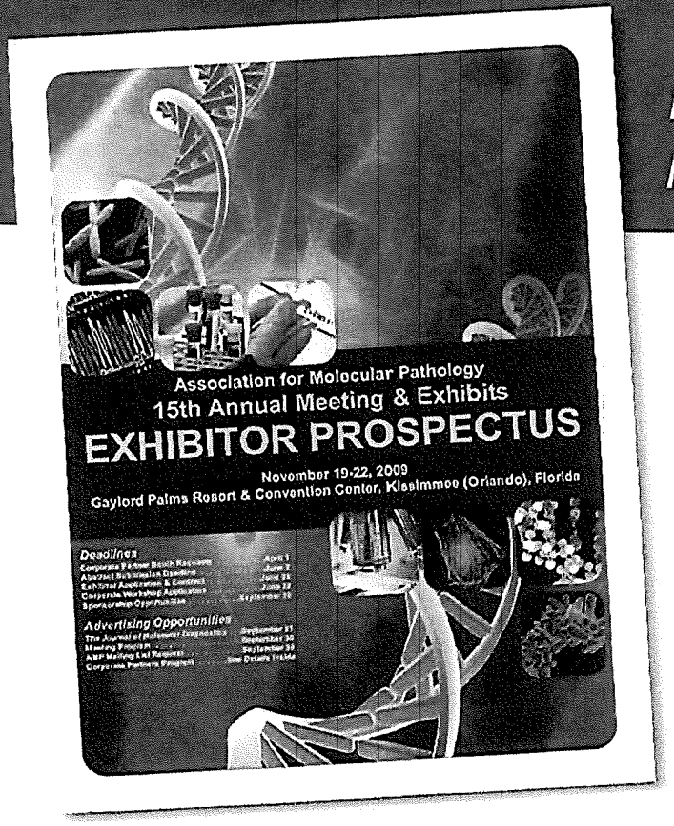
AMP.org

Association for Molecular Pathology

Association for Molecular Pathology
9650 Rockville Pike
Bethesda, MD 20814 (USA)
www.amp.org

AMP 15th Annual Meeting & Exhibits

Your single best opportunity to reach hundreds of molecular laboratory professionals!



ILLUM-0415

Exhibit 309

Deadlines

Corporate Partner Booth Requests ..... April 19
Abstract Submission Deadline ..... June 2
Exhibitor Application & Contract ..... June 30
Corporate Workshop Application ..... June 30
Sponsorship Opportunities ..... September 30

Advertising Opportunities

The Journal of Molecular Diagnostics ... September 21
Meeting Program Ads ..... September 30
AMP Mailing List Request ..... September 30
Corporate Partners Program ..... *See Details Inside*

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP 16th Annual Meeting & Exhibits

EXHIBITOR PROSPECTUS

November 17 - 20, 2010

San Jose McEnery Convention Center
San Jose, CA (USA)

AMP.org

Association for Molecular Pathology

2010 Annual Meeting and Exhibits

November 17-20, 2010

San Jose McEnery Convention Center, San Jose, CA

Association for Molecular Pathology

The Association for Molecular Pathology (AMP) is committed to the advancement of clinical molecular diagnostic and prognostic medicine through education and training of practitioners, physicians, laboratory and industrial scientists, and health care professionals involved in patient care and management. AMP supports the development of new technologies in molecular biology to be used in laboratory medicine, including diagnosis, treatment, and prognosis of genetic disorders, cancer, infectious diseases, identity and histocompatibility.

About the Membership

The membership of AMP includes individuals interested in the educational, medical, scientific, economic, and regulatory aspects of molecular diagnostics, including pathologists, clinical laboratory scientists, clinicians and other health care personnel, government employees - especially those involved in regulation of the field - and professionals in the *in vitro* diagnostics industry.

AMP members are involved in every aspect of molecular diagnostics: performance, interpretation, and reporting of molecular diagnostic tests, assay development and validation, and medical education. Many members participate in research aimed at broadening the understanding of gene/protein structure and function, disease processes, and developing new technologies. AMP aims to inform and educate its members as well as other professionals interested in molecular pathology through its annual meeting, publications, website, listserv, and other venues.

Important Dates and Deadlines!

Corporate Partner Booth Requests ..... April 19
Abstract Submission Deadline ..... June 2
Exhibitor Application and Contract Form ..... June 30
Corporate Workshop Application Form ..... June 30
Exhibitor Service Kits Mailed ..... August 13
Sponsorship Opportunities Form ..... September 30
Advertising Opportunities:
The Journal of Molecular Diagnostics ... September 21
Meeting Program ..... September 30
AMP Mailing List Request ..... September 30
AMP Corporate Partners Program .....
..... *(See details on pages 10-12)*

The Association for Molecular Pathology will host its 16th Annual Meeting and Exhibits November 18-20 at the San Jose McEnery Convention Center in San Jose, CA.

This four-day event starts on November 17 with a day of corporate-sponsored workshops. A keynote lecture presented by **Patrick O. Brown, PhD, Stanford School of Medicine,** the distinguished recipient of the **2010 AMP Award for Excellence in Molecular Diagnostics**, launches the scientific program on November 18.

Programming includes poster sessions and invited speakers for workshop and plenary sessions in each of the four major areas of clinical molecular diagnostics:

- **Hematopathology**
- **Infectious diseases**
- **Inherited genetic diseases**
- **Solid tumors**

The meeting also includes several technical workshops. Corporate exhibits, working lunch meetings, and casual social gatherings offer opportunities for networking and further exchange with molecular laboratory professionals.

Enclosed is your **2010 Exhibitor Prospectus**. Additional opportunities for Exhibitors include **Corporate Workshops, Dining Event Sponsorships** and **Scientific and Educational Activity Sponsorships**. Our **Corporate Partners** program offers our Exhibitors additional opportunities for high visibility to the molecular pathology community.

Mark Your Calendars...

Association for Molecular Pathology

AMP 2011 Annual Meeting & Exhibits

November 16-19, 2011
Gaylord Texan Resort & Convention Center
Grapevine, TX

ILLUM-0386

Exhibitor Information

Exhibitor Information & Application Forms on the Web

The Exhibitor Prospectus is available in its entirety at: www.amp.org/2010/exhibits.htm

- Preliminary Program
- Rules and Regulations for Exhibiting
- General Information
- Exhibitor Application and Contract
- Corporate Partners Program Information
- Sponsorship/Advertising Opportunities
- Mailing List Information
- Services and Official Contractor
- Union Regulations
- Corporate Workshop Information and Application
- Exhibitor Badges Form
- Current Exhibiting Companies/Booth Assignments

Exhibit Space Rental

All booths are 10' x 10' or 20' x 20'. The maximum height in the exhibit area is 30 feet. Rental includes 8 ft. high back drapes, 3 ft. high side dividers and a standard (7" X 44") identification sign with company name. Exhibiting companies are **required** to purchase carpeting for their booth area.

Booth Fees

10 X 10 Inline $4,000
10 X 10 Corner $4,750
20 X 20 Island $19,000
10 x 10 Non-Profit Inline $2,000

Please submit your completed **Exhibitor Application and Contract** (page 7) by **June 30, 2010**.

Exhibitor Registration Hours

Tuesday, November 17 ..... 12:00 pm - 6:00 pm
Wednesday, November 18 ..... 7:00 am - 6:00 pm
Thursday, November 19 ..... 7:00 am - 5:00 pm
Friday, November 20 ..... 7:00 am - 5:00 pm
Saturday, November 21 ..... 7:00 am - 5:00 pm

Exhibit Installation

Wednesday, November 17 ..... 8:00 am - 4:00 pm

Exhibit Hours

Thursday, November 18 ..... 1:00 pm - 5:00 pm
Friday, November 19 ..... 9:00 am - 5:00 pm
Saturday, November 20 ..... 9:00 am - 5:00 pm

Dismantling of Exhibits

Saturday, November 20 ..... 5:00 pm - 9:00 pm

*No packing or dismantling of exhibits will be permitted until **5:00 pm, Saturday, November 20.** Early departure will result in the company or group being penalized including being banned from future tradeshows. When planning your dismantling and departure to follow the show, please allow no less than 3 hours for return of all empty shipping materials from storage. We strongly recommend that you advise your staff to make appropriate departure plans; i.e. plan to depart late Saturday evening or Sunday morning and to not count on being able to depart on Saturday afternoon.*

Exhibitor Rules & Regulations

- **Electronic Lead Retrieval**
  Attendees at the 2010 AMP Annual Meeting will carry electronic cards. Lead retrieval services will be provided by Trade Show Leads. Exhibitors will have the opportunity to rent lead retrieval services as part of their exhibit booth package.
- **Exhibitor Badges**
  Exhibitor badges must be worn at all times, and allow access to the Exhibit Hall and Plenary Sessions ***only.*** Exhibitors will receive 6 badges per 10' x 10' booth space, 12 badges per 10' x 20' booth space, and 24 badges per 20' X 20' booth space; additional Exhibitor badges will be available at a fee of $50.00/each. Additionally, each exhibiting company will be entitled to six Guest of Exhibitor badges; the Guest badges will be available for pick up at registration by the designated company representative. Exhibitor name badge requests must be submitted through the AMP Website at www.amp.org/meetings/2010/login.cfm
- **Promotional Items and Activities**
  Companies wishing to conduct contests or drawings should contact the AMP office at 301-634-7400 for guidelines and permission. Exhibiting companies are permitted to distribute promotional materials and other items at their Exhibit Booth location only. All items distributed must be useful to the professional activities of the meeting attendees, and be made available to all meeting attendees as long as supplies last.
  No soliciting of registrants is permitted in the aisles or in other exhibitor's booths, or in any other area of the hotel. No distribution of literature or other promotional items at hotel guestrooms, or in any other public or private area of the hotel is permitted.
- **Subletting Exhibit Space**
  Subletting any part of the exhibit space by an exhibitor is prohibited.
- **Sale of Goods**
  The sale of goods or services of any kind in the exhibit area in connection with the Annual Meeting is prohibited. Order taking is permitted.
- **Booth Relocation**
  AMP reserves the right to relocate space to areas other than that selected by the exhibitor. Relocations will be made only upon notification to the exhibitor by Exhibit Management. Management strives for, but cannot guarantee, that a company will not be located near a competitor.
- **Exhibit Space Cancellation**
  All exhibit space cancellations must be received in writing by AMP Exhibit Management.
- Cancellations received on or before **August 18, 2010,** qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 19, 2010** and **September 18, 2010,** will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 18, 2010**, will forfeit full exhibit space payment.

ILLUM-0387

Exhibitor Information

Ancillary and Satellite Events

AMP encourages ancillary meetings and events during the annual meeting provided that they are not scheduled while ***any*** official AMP scientific sessions or sponsored social events are scheduled.

Individuals who wish to schedule an ancillary event (non-AMP event held during the AMP Annual Meeting dates of November 17-20), or a satellite event (non-AMP event to be held during dates immediately before or immediately after the official AMP dates) should contact Maricel Herrera in the AMP Administrative office (*mherrera@amp.org*) by May 10.

Rules which apply to Ancillary and Satellite events:

1. All ancillary and satellite events must be cleared through the AMP Administrative Office. The title, time and location of all approved events will be included in the Meeting Program and Website. Space may be leased from AMP at each of the contracted hotels on a first-come, first-served basis. There will be an administrative fee for any space released by AMP. Should the purpose for any function be misrepresented to the AMP administrative office, the group sponsoring such function will be penalized by AMP, including being suspended from participation in future AMP events.

2. Ancillary events must not overlap with AMP scientific sessions as outlined in the preliminary meeting schedule. (AMP is not responsible for subsequent schedule changes made by the Program Committee and will inform organizers if their requested time must be changed).

3. AMP does not assist with the planning, funding, or management of ancillary or satellite events. Organizers will be responsible for all arrangements and costs associated with their events which may include: room rental, audio-visual equipment, food and beverages. Ancillary and satellite events scheduled by September 15, 2010 will be listed in printed program information and on the AMP Annual Meeting Web site.

4. AMP will not release or assign any of its meeting space to commercial companies that are not already contracted to exhibit at the Annual Meeting.

5. Ancillary and Satellite organizers are not permitted to display signs or brochures in any of the public areas of the Convention Center/Hotel. Signs can be displayed outside the meeting room on the day of the event.

6. Organizers will be informed of their confirmed room assignment in September.

Contact Information

Exhibit Management
Maricel M. Herrera, CMP CEM
Director of Meetings & Exhibits
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Travel Information

Hotel Accommodations

Accommodations are available for exhibitors and attendees at three contracted hotels. The Fairmont Hotel located across the street from the convention center and the Hilton San Jose and San Jose Marriott which are connected to the center. For rates, location and reservation information please visit www.amp.org/meetings/2010/hotel.cfm. (Reservations will be accepted beginning Wednesday, May 5th)

Note regarding exhibitor hotel reservations:
As a result of the large number of last minute cancellations and no-shows, **a full, non-refundable prepayment is required on all reservations for non-registered meeting attendees.** Hotel property will charge credit card account 30 days before arrival.

Air Travel Discounts

The city of San Jose is serviced by three airports. The Norman Y. Mineta San Jose International Airport (SJC) is just three miles from downtown San Jose. Additionally, the Oakland International airport and the San Francisco International airport are 35 miles north of the city.

American Airlines is offering a discount of up to 10% on airfare, plus other travel discount options to and from the AMP Annual Meeting. The percentage discount can be booked online at www.aa.com for AA/AE flights or at 1-800-221-2255 through the AA Group Sales Reservation Desk. Please mention the star file **AN#A72N9AD** for our group (AMP Annual Meeting) to receive your special fare.

JetBlue Airways is offering a 5% discount off the lowest available fare by simply booking online at the JetBlue website! Go to www.jetblue.com/promo and enter our event code **AFMP10** to take advantage of this discount.

Ground Transportation & Car Rentals

Avis Rent a Car will be providing rental discounts to our group for ground transportation. To make rental car reservations, call the Avis Rent A Car Convention Desk directly at 1-800-331-1600. The desk is available to assist you twenty four hours a day, but you must reference the group file **AWD#D086607** to obtain the best possible car rental rates available. The Convention Center has a daily fee of $18.00 for Self Parking.

For full Ground Transportation information from the three local airports please see:

Mineta San Jose Airport - www.sjc.org/travelers.php

San Francisco International Airport - http://www.flysfo.com/web/page/tofrom/transp-serv/

Oakland International Airport - http://www.flyoakland.com/ground_transportation.shtml

ILLUM-0388

Workshop & Sponsorship Opportunities

Workshop & Sponsorship Opportunities

Sponsoring activities at the Annual Meeting is an ideal way to get your company noticed by attendees. All functions may be either fully or partially sponsored; companies providing sponsorship will be individually recognized in the Meeting Program and signage at the event.

We offer an exciting opportunity for those who provide significant support to be recognized as "Corporate Partners." *Complete details of the AMP Corporate Partners Program is located at the end of this Prospectus.*

Sponsorship Opportunities

Activity Sponsorships will be individually recognized in the Meeting Program. Activities available for sponsorship include: Plenary Sessions, Workshops, Continental Breakfasts, Morning Coffee Breaks, Lunch, Afternoon Coffee Breaks, Trainee Registration Support, and support for other AMP activities. Sponsorship of educational activities requires an unrestricted educational grant. If you are interested in sponsoring an activity, please fax your completed **Sponsorship Opportunities Form** to Maricel Herrera by **September 30**.

Corporate Workshops Day

A full day of corporate sponsored workshops will take place on Wednesday, November 17. Meeting rooms have been reserved for workshop presenters at the Fairmont San Jose Hotel. The fee for each workshop is $3,500 per hour and includes basic audio visual setup. Catering arrangements should be made directly with the hotel and will be billed directly to you. Workshops will run concurrently during the morning and afternoon sessions.

Deadline for submitting the completed **Corporate Workshop Application Form** (page 8) and description is **June 30** so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts). This will also allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Fairmont San Jose Hotel for other necessary arrangements.

A schedule and full description of Corporate Workshops will be posted on the AMP website at www.amp.org, and in the Fall 2010 *AMP Newsletter.*

Corporate Partners

The AMP Corporate Partners Program is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. See complete information in the Corporate Partnerships section at the end of this Prospectus (see pages 10-12).

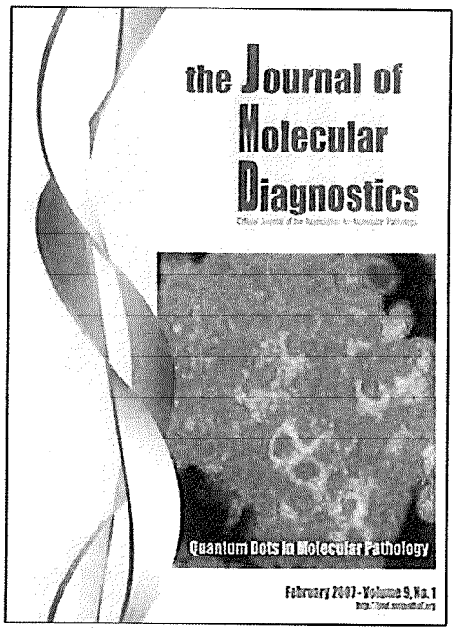
2009 Annual Meeting Demographics

Total Scientific Attendees - 1010
Exhibitors - 116

2009 Exhibitors

AAB Proficiency Testing Service
Abbott Molecular, Inc.
Acrometrix
Affymetrix, Inc
Althea Technologies, Inc
American Society for Clinical Pathology
Analytical Genetics Technology Centre
Applied Imaging/Genetix
Argene, Inc
ARTEL
ARUP Laboratories
Asuragen, Inc
Attostar LLC
Aurora Biomed Inc
AutoGen, Inc.
Autogenomics, Inc
Avero Diagnostics
BioArray Solutions
BD Diagnostics
Beckman Coulter, Inc.
BioHelix Corporation
bioMerieux, Inc.
Bioplastics Cyclertest, Inc
Biosearch Technologies, Inc
Biotage
BioTrove
BioView, Inc
Cepheid Inc
Cerner Corporation
City of Hope National Medical Center
Cleveland Clinic Reference Laboratory
Clinical and Laboratory Standards Institute
College of American Pathologists
Combimatrix Molecular Diagnostics (CMDX)
Copan Diagnostics, Inc
Corbett Robotics, Inc
Cytocell,Ltd./Rainbow Scientific, Inc
DiagnoCure, Inc
DNA Genotek, Inc.
DxS Limited
Elsevier/Saunders/Mosby
Emory Genetics Laboratory
EpigenDx, Inc
Eppendorf North America
Eragen Biosciences
Eurogentec North America
Fisher HealthCare
Fluidigm Corporation
Focus Diagnostics
GenomeWeb LLC
Genomic Health, Inc
GenPath
Gen-Probe Inc.
Genvault Corporation
HandyLab
Idaho Technology, Inc
Ikonisys, Inc
Illumina, Inc
Innogenetics, Inc
InVivoScribe Technologies, LLC
IPSOGEN
Laboratory for Personalized Molecular Medicine
Lippincott Williams & Wilkins
Luminex Corporation
Maine Molecular Quality Controls, Inc
MetaSystems Group, Inc
Miltenyi Biotec, Inc
MP Biomedicals, LLC
Nanogen, Inc.
Nanosphere, Inc.
NorDiag
Olympus America Inc.
OpGen
Osmetech Molecular Diagnostics
ParagonDx, LLC
Pathwork Diagnostics, Inc.
PreAnalytiX
PrimeraDx
Prodesse
Promega Corporation
QIAGEN, INC
Roche Applied Science
Roche Diagnostics Corporation
Sci Gene
Sequenom, Inc
SeraCare Life Sciences, Inc
Siemens Healthcare Diagnostics
Signature Genomic Laboratories, LLC
Skyline Diagnostics LLC
SoftGenetics, LLC
Spartan Bioscience, Inc
StemCell Technologies, Inc
Sysmex
Tepnel Lifecodes Corporation
Tetracore, Inc
Thermo Scientific/Nanodrop
Third Wave Technologies
TIB Molbiol
Transgenomic, Inc
TriCore Reference Laboratories
Trim Gen Corporation
ViraCor
Xceed Molecular
ZeptoMetrix Corporation

Advertising and Promotional Opportunities



The Journal of Molecular Diagnostics

Editor-in-Chief: Timothy J. O'Leary, MD, PhD
Veterans Health Administration, Washington, DC

The Journal of Molecular Diagnostics (JMD), the official publication of the Association for Molecular Pathology, co-published with the American Society for Investigative Pathology, publishes high-quality original papers on scientific advances in the translation and validation of molecular discoveries in medicine into the clinical diagnostic setting, and the description and application of technological advances in the field of molecular diagnostic medicine.

Annual Meeting/Abstracts Issue: November 2010
Insertion orders and materials due:
September 21, 2010
Circulation: 3,500 Paid Subscribers

One complementary copy of the November 2010 issue of *The Journal of Molecular Diagnostics* will be distributed to each meeting attendee and Exhibit Booth.

Rate Card online at:
www.amp.org/Advertising/RateCard.pdf

To advertise in *JMD*, contact:
Robyn Engelson
FASEB AdNet
9650 Rockville Pike, Bethesda, MD 20814
Tel: 800-43-FASEB ext 7103
Email: *rengelson@faseb.org*

Meeting Program

Special Offer to *JMD* Advertisers: Purchase your full-page ad in the November 2010 issue of *JMD* and receive 50% rebate off the pricing below for ads placed in the Meeting Program.

Display Advertising

Back Cover of Meeting Program - Color, 7" x 10"	$2,875
Inside Front or Back Cover - color, 7" x 10"	$2,015
Inside Front or Back Cover - b/w, 7" x 10"	$1,350
Full page b/w only, 7" x 10"	$1,100
Page Horizontal - b/w only, 7" x 4.75"	$ 850
1/2 Page Vertical - b/w only, 3.25" x 10"	$ 850
1/4 Page Vertical - b/w only, 3.25" x 4.75"	$ 500

Specifications
Color Ad: PDF (embed fonts), jpg, or tif
Black and White Ads: 300 dpi tif, pcx, or PDF (embed fonts)

Program insertion orders and materials due:
September 21, 2010

Send materials to:
Laurie Menser
Director of Marketing,
The American Society for Investigative Pathology
9650 Rockville Pike
Bethesda, MD 20814-3993
Tel: 301-634-7943; Fax: 301-634-7961
Email: *lmenser@asip.org*

Promotional Opportunities Included with your AMP Exhibitor Contract:

Program Listing
A floor plan of the Exhibit Hall and a list of all confirmed exhibiting companies will be included in the Meeting Program. The Meeting program will be distributed to all meeting attendees. Additionally, the information will be posted online at www.amp.org.

On-Site Program
Exhibitors must provide a 60-word product description to be included in the Exhibit Guide. This guide is distributed to all meeting attendees. This opportunity to advertise your products and services is complimentary and is available only to AMP's exhibitors and supporters. Product description must be submitted by **June 30.**

Registration List
AMP will provide a complete registration list to exhibitors within 30 days of the annual meeting or by December 22, 2010. The registration list will be a read-only PDF file and does not include email addresses. The information is the sole property of AMP and cannot be reproduced in any form without express written permission.

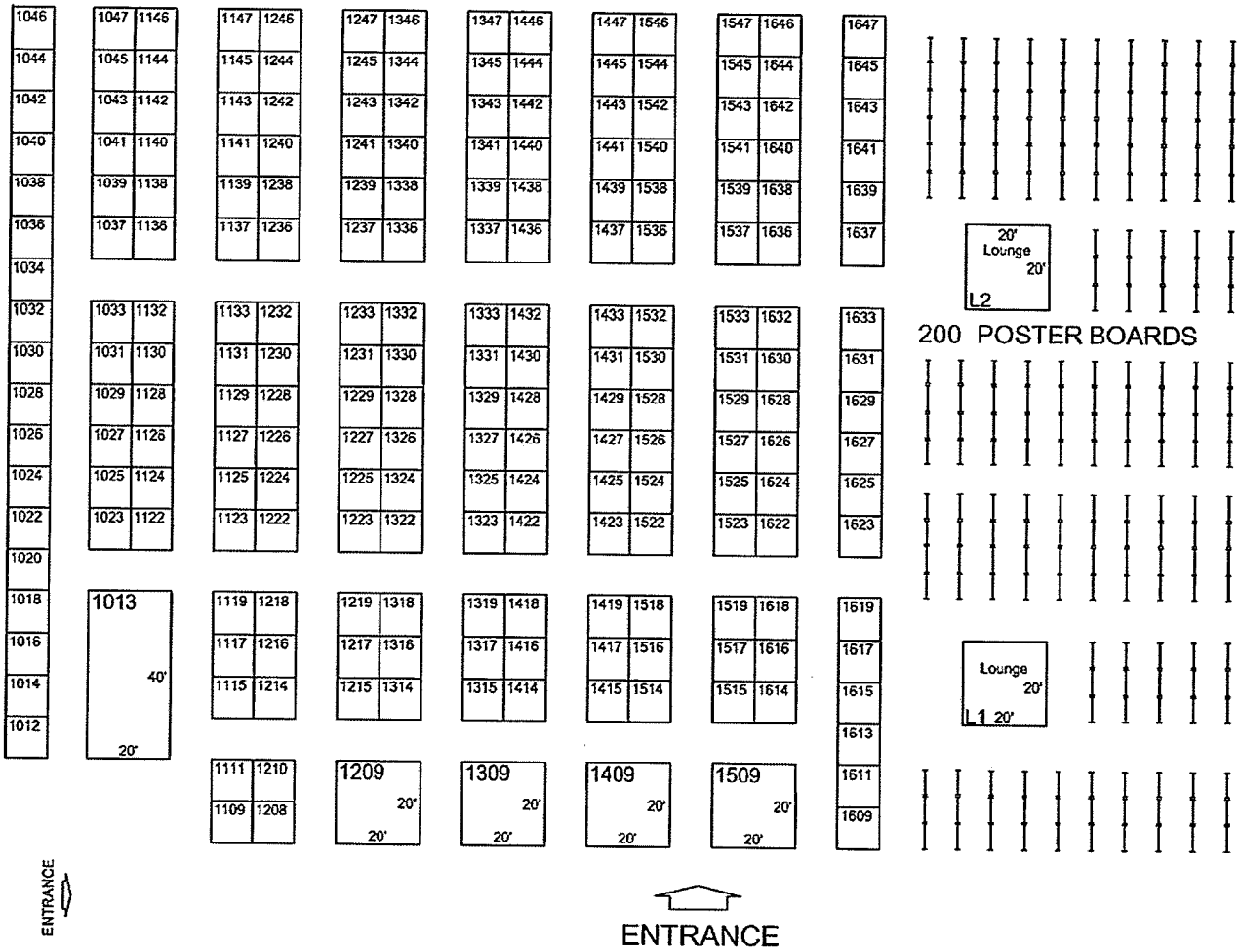
AMP Membership List
Exhibitors are entitled to a 50% discount for a one-time use of the AMP Membership Mailing List (approximately 1,600 names & addresses) for use in advertising their products and services. (Email addresses are not provided.) Requests must be made via email to Maricel Herrera at *mherrera@amp.org* no later than **September 30**.

ILLUM-0390

Exhibit Hall & Booth Floor Plan

Exhibit Schedule – San Jose McEnery Convention Center, Exhibition Hall 2/3

Thursday, November 18 1:00 pm – 5:00 pm
Friday, November 19 9:00 am – 5:00 pm
Saturday, November 20 9:00 am – 5:00 pm



ILLUM-0391

2010 Association for Molecular Pathology 16th Annual Meeting and Exhibits
November 17-20, 2010, San Jose McEnery Convention Center

Exhibitor Application and Contract

Exhibit Days: November 18-20, 2010
Deadline: June 30, 2010

Company Name: *(Please list company name as you would like it to appear in the AMP 2010 program, exhibitor badges and any required signage)*		
Contact Individual: *(This person will receive all AMP 2010 exhibitor correspondence)*		
Address:		Telephone:
City:	State/Province:	Fax:
Zip/Postal Code	Country:	Email:

Booth Choices: 1._____ 2._____ 3._____ 4._____	Total Square Footage:	List any exhibitor(s) you wish to be near: List any exhibitor(s) you do not wish to be near:

Signage

❑ NO, We do not require an identification sign ❑ YES, We do require an identification sign

Product Description

A 60-word description of products or services must be submitted with your application for inclusion in the Program. Descriptions exceeding 60 words may be edited by the AMP administrative office. Please submit online at www.amp.org/2010/exhibitdesc.asp.
❑ 60-word Product Description submitted at www.amp.org by **June 30, 2010**.

Payment of Fees

Full payment must accompany the Exhibitor Application and Contract Form or it will not be processed. Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

❑ MC ❑ VISA ❑AMEX Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	❑ Inline 10' x 10', **$4,000** ❑ Corner 10' x 10', **$4,750** ❑ Island 20' x 20', **$19,000** ❑ Non-Profit Inline 10' x 10', **$2,000** ❑ Other : Size Requested Size : _____ Cost : _____
Name on Card:	Signature: Date:

In accordance with the terms, conditions and regulations governing exhibits of the AMP 2010 Annual Meeting at the San Jose McEnery Convention Center, November 17-20, 2010 the undersigned hereby makes application for exhibit space(s) that, when accepted by AMP Exhibit Management, becomes a contract. All rules and regulations as outlined in the AMP Annual Meeting Exhibitor Prospectus, as well as any amendments published by AMP, are part of this contract. Failure to abide by such rules and regulations results in forfeiture of all monies paid AMP Exhibit Management under terms of this agreement.

Signature:	Date:

Deadline for Exhibitor Application and Contracts, description of products or services, and payment: June 30 2010
Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and description of products or services. IMPORTANT: No booths will be held or assigned with out required full pre-payment & company description. Submit your 60-word description of products and services at www.amp.org/2010/exhibitdesc.asp

Please submit completed Exhibitor Application and Contract with payment to:

Maricel M. Herrera, CMP, CEM
Director of Meetings & Exhibits
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Exhibit Space Cancellation Policy: All exhibit space cancellations must be received in writing by AMP Exhibit Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **August 18, 2010** qualify for a 90% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 19, 2010** and **September 18, 2010**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 18, 2010** will forfeit full exhibit space payment.

ILLUM-0392

2010 Association for Molecular Pathology 16th Annual Meeting and Exhibits
November 17-20, 2010, San Jose McEnery Convention Center

Corporate Workshop Application Form

Corporate Workshops Day: Wednesday, November 17, 2010
Deadline: June 30, 2010

A full day of corporate sponsored workshops will take place on Wednesday, November 17, 2010. Meeting rooms have been reserved for workshop presenters at the San Jose Fairmont Hotel in San Jose, CA. The fee for each workshop is $3,500 per hour. This fee includes basic audiovisual setup for the room. Catering arrangements should be made directly with the hotel and will be billed directly to you. Up to four workshops will run concurrently during the morning and afternoon sessions. **Please fax your completed Corporate Workshop Application Form to Maricel Herrera by June 30 so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic overlaps or other conflicts).** This will allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the San Jose Fairmont Hotel for other necessary arrangements.

Company:	
Contact Individual(s):	
Address:	Telephone:
	Fax:
	Email:
Title of Workshop you are interested in presenting:	
Maximum number of attendees:	Targeted number of attendees:
How long will the workshop last? (NOTE: $3,500 per hour -includes a basic audio visual setup (Screen, LCD Projector, Podium Mike) ❑ 1 Hour ❑ 2 Hours ❑ 3 Hours	
Format you prefer (please check one below): ❑ Classroom ❑ Theater ❑ Demonstration w/6 ft tables ❑ Include _____ Head table(s)	Requested Time Slot:
Special Requirements (electricity, sink, etc.) and Other Information (these requirements will be forwarded to the contact person at the convention services department so they can coordinate with you): **IMPORTANT: Final arrangements must be confirmed directly with the hotel representative.**	
Full payment must accompany this application form for consideration. Payments for Corporate Workshops may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:	
❑ MC ❑ VISA ❑ AMEX Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*	❑ 1 Hour Workshop, **$3,500** ❑ 2 Hour Workshop, **$7,000** ❑ 3 Hour Workshop, **$10,500**
Name on Card:	Signature: Date:

A one paragraph description of your workshop (~100 words) must be submitted online at www.amp.org/2010/wkdesc.asp **by June 30, 2010.** This description will be used for distribution to AMP members, posting on the AMP website's meeting section, in the AMP Newsletter, and publication in the meeting program.

Space will be sold on a first-come, first-served basis. Slots will be verified upon receipt of completed application including full payment and workshop description. Preliminary schedule/assigned time slot will be provided approximately 30 days after submission deadline.

Please submit the completed Corporate Workshop Application Form to:
Maricel M. Herrera, CMP, CEM
Director of Meetings & Exhibits
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

Corporate Workshop Cancellation Policy: All corporate workshop cancellations must be received in writing by AMP Meeting Management (Maricel M. Herrera, CMP).

- Cancellations received on or before **August 18, 2010** qualify for a 90% refund of all monies paid for workshop time slot
- Any company canceling its workshop time slot between **August 19, 2010** and **September 18, 2010**, will forfeit 50% of the total cost of their corporate workshop payment
- Any company canceling after **September 18, 2010** will forfeit full corporate workshop payment

ILLUM-0393

2010 Association for Molecular Pathology 16th Annual Meeting and Exhibits
November 17-20, 2010, San Jose McEneary Convention Center

Sponsorship Opportunities Form

Deadline: September 30, 2010

Activity sponsorship will be individually recognized in the meeting program, on the AMP website, and on signage. NOTE: All sponsorships for the following activities are credited toward your Corporate Partnership.
Some activities may be fully or partially sponsored. Activities available for sponsorship include:

Event		Full Sponsorship	Partial Sponsorship
Dining Events Sponsorship	Continental Breakfast – Thurs 11/18, Fri 11/19, Sat 11/20	☐ $ 5,000 each COMMITTED	☐ $ 2,500
	Morning Coffee Break – Thursday, 11/18	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Friday, 11/19	☐ $ 2,000	☐ $ 1,000
	Morning Coffee Break – Saturday, 11/20	☐ $ 2,000	☐ $ 1,000
	Lunch – Thursday, 11/18	☐ $12,000	☐ $ 6,000
	Lunch – Friday, 11/19	☐ $12,000	☐ $ 6,000
	Lunch – Saturday, 11/20	☐ $12,000	☐ $ 6,000
	Afternoon Coffee Break – Thurs 11/18, Fri 11/19, Sat 11/20	☐ $ 2,000 each COMMITTED	☐ $ 1,000
Event/Activity		**Full Sponsorship**	**Partial Sponsorship**
Scientific Session Sponsorship *The Annual Meeting Preliminary Program is available online at www.amp.org* *Note: You may choose to sponsor a specific Workshop or Special Topics Plenary. Sponsorship of educational activities requires an unrestricted educational grant.* *Contact Maricel Herrera at mherrera@amp.org*	Plenary Session – Genetics	☐ $ 5,000 COMMITTED	☐ $ 2,500
	Plenary Session – Hematopathology	☐ $ 5,000 COMMITTED	☐ $ 2,500
	Plenary Session – Infectious Diseases	☐ $ 5,000 COMMITTED	☐ $ 2,500
	Plenary Session – Solid Tumors	☐ $ 5,000 COMMITTED	☐ $ 2,500
	Plenary Session – Special Topics	☐ $ 5,000	☐ $ 2,500
	Workshop – Genetics	☐ $ 2,500 COMMITTED	☐ $ 1,500
	Workshop – Hematopathology	☐ $ 2,500 COMMITTED	☐ $ 1,500
	Workshop – Infectious Diseases	☐ $ 2,500 COMMITTED	☐ $ 1,500
	Workshop – Solid Tumors	☐ $ 2,500 COMMITTED	☐ $ 1,500
	Workshop – Technical Topics	☐ $ 2,500 COMMITTED	☐ $ 1,500
Description		**Sponsorship**	
Education Grant	Unrestricted Education Grant to Sponsor AMP Activities	☐ $_____ (no minimum)	
Pathology Outreach Course	☐ $10,000 Supporter - COMMITTED		
Cyber Café, Hotel Keycards, Lanyards, Pens Pads and Social Event	Cyber Café	☐ $15,000	
	Bottled Water Sponsorship	☐ $15,000 COMMITTED	
	Lanyard Sponsorship	☐ $10,000 COMMITTED	
	Hotel Room Keycard Sponsorship	☐ $10,000 COMMITTED	
	Notepads	☐ $10,000	
	Pens	☐ $10,000	
	Social Event	☐ $1,500 for one table	☐ $5,000 for five tables

Company:

Contact Individual:

Address:

Telephone:

Fax:

Email:

Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

☐ MC ☐ VISA ☐ AMEX Credit Card Account #: Expiration Date:

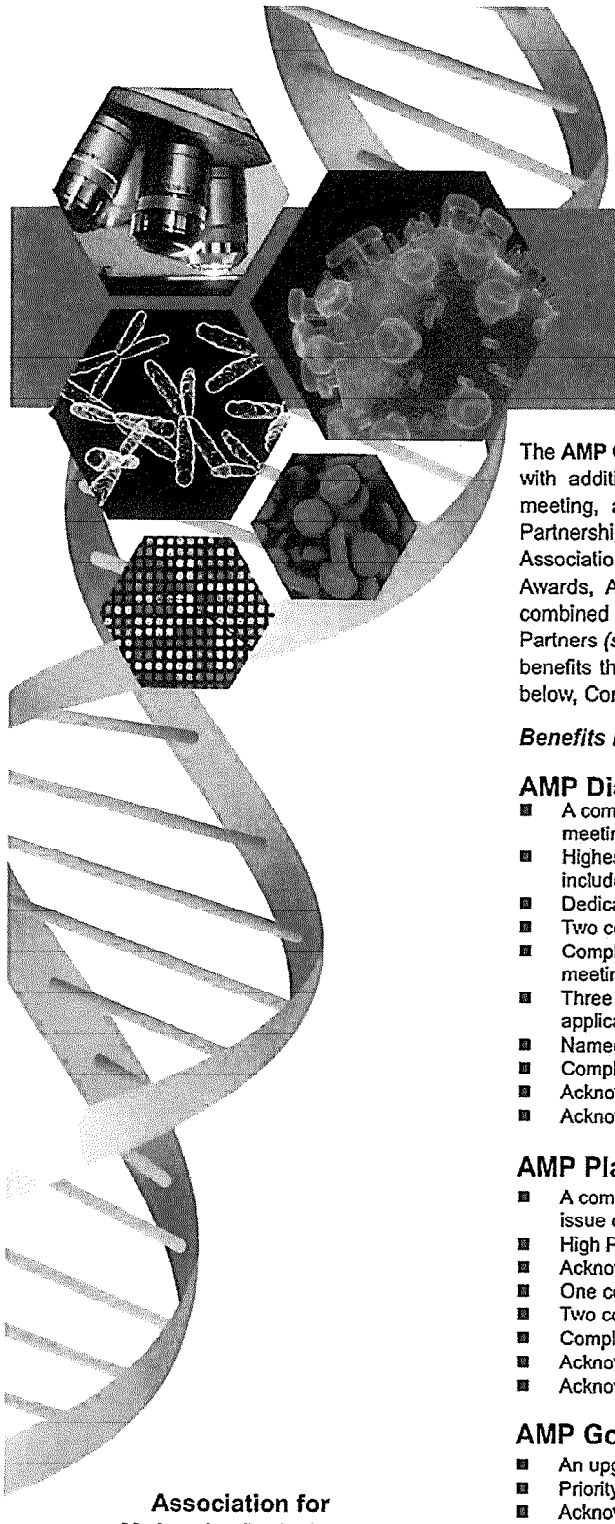
Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.

Name on Card: Signature: Date:

Thank you for sponsoring an activity at the AMP Annual Meeting. Please send the completed Sponsorship Opportunities Form and payment by September 30, 2010 to:

Maricel M. Herrera, CMP, CEM
Director of Meetings & Exhibits
Association for Molecular Pathology
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *mherrera@amp.org* • Web: www.amp.org

ILLUM-0394



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2010 AMP Corporate Partners Program

The **AMP Corporate Partners Program** is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. Corporate Partnerships are renewable each year and support the educational initiatives of the Association. Contributions received for support of activities at the Annual Meeting, Awards, AMP Test Directory, and Educational or General Unrestricted Grants are combined to qualify those with significant interest and investment in AMP as Corporate Partners *(see the following page for details)*. AMP Corporate Partners receive significant benefits that elevate their visibility to AMP members. In addition to the benefits listed below, Corporate Partners are given first notification of selected support opportunities.

Benefits include:

AMP Diamond Level Corporate Partner ($75,000)

- A complimentary four-color, full page, priority placement ad in the annual meeting issue of *JMD* (November)
- Highest Priority booth space location for the following year's Annual Meeting and includes one division or subsidiary that exhibits in a separate booth
- Dedicated acknowledgement signage at the Annual Meeting
- Two complimentary attendee registrations to the Annual Meeting
- Complimentary meeting room for internal company meetings during the annual meeting
- Three complimentary tickets to the annual meeting banquet/social event (if applicable)
- Named supporter of an unreserved activity at no extra fee
- Complimentary use of the member mail list twice during the year
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Platinum Level Corporate Partner ($50,000)

- A complimentary four-color, full page, priority placement ad in any non-meeting issue of *JMD*
- High Priority booth space location for the following year's Annual Meeting
- Acknowledgement on signage at the Annual Meeting
- One complimentary attendee registration to the Annual Meeting
- Two complimentary tickets to the annual meeting banquet/social event (if applicable)
- Complimentary one-time use of the member mail list
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Gold Level Corporate Partner ($30,000)

- An upgrade ad placement in any non-meeting issue of *JMD*
- Priority booth space location for the following year's Annual Meeting
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Silver Level Corporate Partner ($15,000)

- Preferred booth space location for the following year's Annual Meeting
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

Association for Molecular Pathology
Mary Steele Williams, MNA, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

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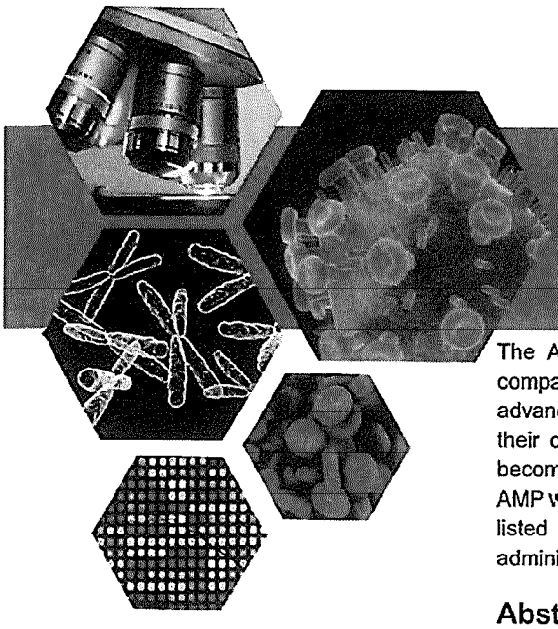

Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

Corporate Support Opportunities

The Association for Molecular Pathology appreciates the financial support that companies provide for AMP programs. There are numerous opportunities for you to advance the field of molecular diagnostics through AMP. Companies may express their commitment to AMP members and the Association's educational mission by becoming Corporate Partners. Whatever the amount of your resources, however, AMP welcomes your support. Educational activities that receive corporate support are listed below along with the contact information of the AMP staff member who administers the activity.

AMP's primary mission is to advance the practice of clinical molecular laboratory medicine. We welcome all suggestions for additional programs that will help AMP members better serve the health of people around the world.

Abstract Submission Service

AMP contracts with an online abstract submission service. Your support will help defray the cost of this service. Sponsorship is in three-year cycles.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Annual Meeting

The AMP Annual Meeting is the Association's most important educational event. Numerous sponsorship opportunities exist to support the scientific sessions, receptions, meeting bags, program book, lead retrieval service, lanyards, internet café, lunches, and breaks.

Contact: Maricel Herrera at *mherrera@amp.org* or (301) 634-7400

Awards

AMP honors individuals at various stages of their careers through several prestigious awards: The AMP Award for Excellence in Molecular Diagnostics, AMP Leadership Award, Young Investigator Award, and Technologist Award. Sponsorship is in three-year cycles.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Pathology Outreach

The AMP Training & Education Committee hosts educational initiatives for non-molecular laboratory professionals. These are exciting opportunities to facilitate the growth of molecular diagnostics in mainstream laboratory services. The **Pathology Outreach Course** is a full-day course scheduled one day prior to the AMP Annual Meeting.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Webinars

Web-based presentations covering topics in molecular pathology. These are exciting opportunities to facilitate the growth of molecular diagnostics in mainstream laboratory services.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Molecular Case Studies

Web-based presentations intended to develop differential diagnostic skills. This program offers a unique opportunity to reach out to molecular and non-molecular laboratory professionals.

Contact: Mary Steele Williams at *mwilliams@amp.org* or (301) 634-7921

Association for Molecular Pathology
Mary Steele Williams, MNA, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
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Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

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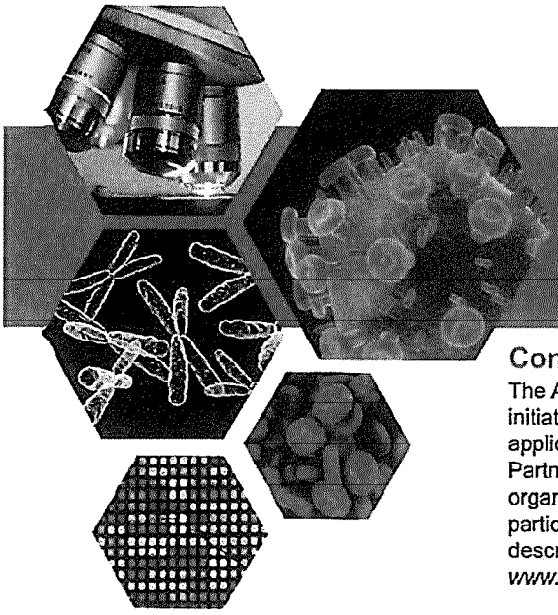


Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2010 AMP Corporate Partners Program

Commitment Form

The AMP Corporate Partners Program supports the Association and its educational initiatives through unrestricted educational grants. A completed and approved application with payment is required to begin implementation of benefits. Corporate Partner contracts are renewable each year. AMP is a 501(c)3 not-for-profit organization. Contributions may be designated to support specific activities such as particular activities at the annual meeting and/or other education events. Complete descriptions of support opportunities are available on the AMP website at *www.amp.org.*

Select Your 2010 Corporate Partnership Level:

- ❑ Diamond Partnership, $75,000/year
- ❑ Platinum Partnership, $50,000/year
- ❑ Gold Partnership, $30,000/year
- ❑ Silver Partnership, $15,000/year

Select Your Payment Plan:

- ❑ Full Payment Enclosed
- ❑ Four (4) Payment Plan:

Please include the first payment with this form.
#1 - 25% due 3/31/2010

AMP will invoice you one month prior to the payment-due date for the following 3 payments. Invoice will be sent to the contact name listed at right.
#2 - 25% - payment due 5/31/2010
#3 - 25% - payment due 7/31/2010
#4 - 25% - payment due 10/31/2010

Contact Information:

Organization/Company_____

Contact Name_____

Address_____

City_____ State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Payment: *(please indicate desired partnership level and payment plan at left)*

❑ Check enclosed *(made payable to "Association for Molecular Pathology" or "AMP")*

Charge my credit card* Amount $_____

❑ VISA ❑ MasterCard ❑ American Express

Credit Card #_____ Exp Date_____

Card Holder Name *(please print)*_____

Signature_____ Date_____

Credit Card Billing Address_____

City_____ State_____ ZIP_____ Country_____

***IMPORTANT:** If paying by credit card, the charge on your credit card statement will be from the American Society for Investigative Pathology (ASIP). AMP is a constituent society of the office of the American Society for Investigative Pathology and uses the ASIP credit card processing system.

Association for Molecular Pathology
Mary Steele Williams, MNA, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

ILLUM-0397

Support AMP Webinars and gain visibility for your company!

ASSOCIATION FOR MOLECULAR PATHOLOGY
2010 WEBINAR SERIES
Presented by the AMP Training & Education Committee

Become a Supporter of AMP Webinars

2010 Webinar Support:

☐ $2,500 per webinar; exclusive supporter
(Attention AMP Corporate Partners: Webinar support counts towards your Partnership commitment)

2010 Webinar Topics:

(select the topic(s) you would like to support)

- ☐ **Molecular Testing in AML with Normal Cytogenetics** - April 29, 2010
- ☐ **Interpretation of Copy Number Changes** - May 20, 2010
- ■ **Screening for Hospital Acquired Infections** - June 2010 (Supported by Illumina)
- ■ **Pandemic California H1N1 - Lessons Learned** - August 30, 2010 (Supported by Nanosphere)
- ☐ **Coding and Billing 101** - September 30, 2010
- ■ **Genomic Arrays in Pediatric Oncology** - December 9, 2010 (Supported by iKaryos Diagnostics)

Supporter Benefits:

- ■ **Exclusive Supporter** *(only one supporter per webinar)*
- ■ **Acknowledgement on the AMP Website**
- ■ **Acknowledgement on the webinar announcement and invitation**
- ■ **Acknowledgement during the webinar**

For More Information, contact:

Association for Molecular Pathology
Mary Steele Williams, MNA, MT(ASCP)SM
COO, Director of Scientific Programs
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7921
Fax: 301-634-7990
Email: *mwilliams@amp.org*
www.amp.org

Contact Information:

Organization/Company_____

Contact Name_____

Address_____

City_____

State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Payment:

☐ We are an AMP Corporate Partner and would like to support this as part of our commitment *(AMP Corporate Partners do NOT need to provide payment information on this form)*

☐ Check enclosed *(made payable to "Association for Molecular Pathology")*

Charge my credit card* Amount $_____

☐ VISA ☐ MasterCard ☐ American Express

Credit Card #_____ Exp Date_____

Card Holder Name *(please print)*:

_____

Signature_____ Date_____

Credit Card Billing Address_____

City_____ State_____ ZIP_____

Country_____

***IMPORTANT:** If paying by credit card, the charge on your credit card statement will be from the American Society for Investigative Pathology (ASIP). AMP is a constituent society of the office of the American Society for Investigative Pathology and uses the ASIP credit card processing system.

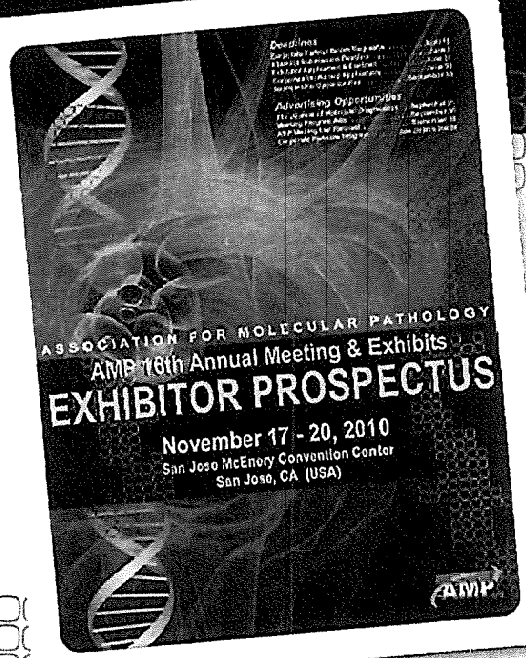
www.amp.org

Association for Molecular Pathology
9650 Rockville Pike
Bethesda, MD 20814 (USA)

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP 16th Annual Meeting & Exhibits

Showcase your products and services to hundreds of molecular laboratory professionals!



ILLUM-0399

Exhibit 310

Reserve your booth space by June 30, 2011!

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP 2011 Annual Meeting

EXHIBITOR PROSPECTUS

November 17-19, 2011

Gaylord Texan Resort & Convention Center
Grapevine, TX (USA)

AMP
Association for Molecular Pathology

PRICES, DATES, and DEADLINES...

Important Dates

Corporate Partner Booth Requests	April 18
Exhibitor Hotel Reservations Begin	May 1
Abstract Submission Deadline	June 1
Exhibitor Application and Contract Due	June 30
Corporate Workshop Application Due	June 30
Product Description Due	June 30
Ancillary & Satellite Event Application Due	June 30
Exhibitor Service Kits Sent Out	August 1
Booth Cancellation or Reduction Deadline	September 15
Meeting Program Ad Due	September 15
The Journal of Molecular Diagnostics Ad Due	September 27
AMP Mailing List Request Deadline	September 30
Sponsorship Opportunities Request Due	September 30
Corporate Partners Program Commitment	See Form

Booth Fees

10' x 10' Inline *(bounded by front aisle only)*	$ 4,000
10' x 10' Corner *(bounded by a front and side aisle)*	$ 4,750
10' x 20' Inline *(bounded by front aisle only)*	$ 8,000
10' x 20' End Cap *(bounded by aisles on three sides)*	$12,000
20' x 20' Island	$19,000
30' x 30' Island	$39,000
10' x 10' Non-Profit *(Inline only)*	$ 2,000

Add $4,000 for each additional inline and $4,750 for each additional corner booth space (10' x 10')

Exhibit Installation

Wednesday, November 16	8:00 am - 4:00 pm
Thursday, November 17*	8:00 am - 10:00 am

**internal booth work only, no freight delivery*

Exhibit Hours

Thursday, November 17	1:00 pm - 5:00 pm
Friday, November 18	9:00 am - 5:00 pm
Saturday, November 19	9:00 am - 5:00 pm

Exhibitor Registration

Tuesday, November 15	12:00 pm - 6:00 pm
Wednesday, November 16	7:00 am - 6:00 pm
Thursday, November 17	7:00 am - 5:00 pm
Friday, November 18	7:00 am - 5:00 pm
Saturday, November 19	7:00 am - 5:00 pm

Exhibit Dismantling*

Saturday, November 19	5:00 pm - 9:00 pm

* *No packing or dismantling of exhibits will be permitted until **5:00 pm, Saturday, November 19**. Early departure will result in the company or group being penalized including being banned from future AMP Events. When planning your dismantling and departure, please allow no less than three hours for return of all empty shipping materials from storage. AMP strongly recommends that Exhibit Hall staff make appropriate departure plans; i.e. plan to depart on Sunday morning, not Saturday evening.*

HELPFUL LINKS and CONTACT INFORMATION...

AMP Main Website
www.amp.org

AMP 2011 Annual Meeting Website
www.amp.org/meetings/2011

Product Description Form – Due June 30
http://www.amp.org/meetings/2011/exhibit_description.cfm

Corporate Workshop Application Form – Due June 30
http://www.amp.org/meetings/2011/corporate_workshops_descriptions_form.cfm

Exhibitor Badge Form – Due November 1
http://www.amp.org/meetings/2011/exhibits/exhibitor_badges.cfm

Unless otherwise noted, complete and return all forms, and direct all inquiries regarding exhibits, sponsorships, partnerships, and support opportunities to:

Catherine Davidge
Marketing & Web Communications Manager
Association for Molecular Pathology (AMP)
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Phone: 301-634-7400
Fax: 301-634-7990
Email: cdavidge@amp.org

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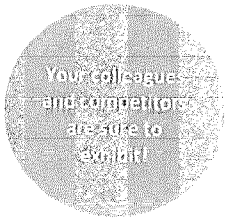
The AMP 2011 Annual Meeting is the only opportunity to connect with more than 1,200 key decision makers involved in every aspect of molecular diagnostics, including:

- Interpretation & Reporting of Molecular Diagnostic Tests
- Assay Development, Validation & Performance
- Translational Research
- Medical Education

AMP Members and Meeting Attendees are Pathologists, Doctoral Laboratory Scientists, Clinicians & Other Health Care Personnel. They are government employees – primarily regulators in the field, and professionals in the in vitro *diagnostics industry.*

AMP Members and Meeting Attendees are experts in the specialty areas of

- Genetic Disorders
- Hematopathology
- Infectious Diseases
- Solid Tumors



Visit www.amp.org/meetings/2011 for details about this unique event!

2010 AMP ANNUAL MEETING EXHIBITORS...

5 PRIME
Abbott Molecular * *2010 DIAMOND PARTNER!*
Access Genetics, LLC
Advanced Cell Diagnostics, Inc.
AdvanDx
Affymetrix
Agilent Technologies, Inc
American Society for Clinical Pathology
Applied BioCode, Inc.
Applied Spectral Imaging
Argene Inc
Arista Laboratories
ARUP Laboratories
Asuragen * *2010 SILVER PARTNER!*
Aurora Biomed, Inc
AutoGenomics, Inc.
Baylor College of Medicine, Medical Genetics Laboratories
BD Diagnostics - Infectious Disease
bioMerieux, Inc.
Bio-Rad Laboratories
Biosearch Technologies
BioView USA Inc.
CBLPath Inc.
Cellay, Inc.
Cepheid
Cerner Corporation
Chemagen USA, Inc
City of Hope - Molecular Diagnostic Lab
Cleveland Clinic Laboratories
Clinical and Laboratory Standards Institute
Clontech Laboratories, Inc.
College of American Pathologists
College of American Pathologists Periodicals
CombiMatrix Diagnostics
CymoGen Dx
Cytocell/RainbowScientific, Inc.
Data Unlimited International, Inc.
Diatherix Laboratories
Elsevier/Saunders/Mosby
Emory Genetics Laboratory
EntroGen Inc.
EPOCH Biosciences, a Division of Wescor, Inc
Eppendorf
EraGen Biosciences
Eurogentec North America, Inc.
Exact Sciences
Exiqon, Inc.
Fisher HealthCare
Focus Diagnostics
Geneuity CRS
Genisphere
GenMark Diagnostics, Inc.
Gen-Probe
GenturaDx
GenVault Corporation
High Throughput Genomics, Inc.
HOLOGIC * *2010 GOLD PARTNER!*
Idaho Technology, Inc.
iKaryos Diagnostics
Illumina,Inc. * *2010 SILVER PARTNER!*
IncellDx, Inc.
Innogenetics, Inc
Integrated DNA Technologies
Invivoscribe Technologies
Ion Torrent
IPSOGEN
Laboratory for Personalized Molecular Medicine
Lathrop Engineering Inc.
Life Technologies
Luminex Corporation * *2010 PLATINUM PARTNER!*
Maine Molecular Quality Controls, Inc.
Mayo Medical Laboratories
Meridian Bioscience, Inc.
MetaSystems
Miltenyi Biotec, Inc
MolecularMD Corp.
MP Biomedicals
MRC-Holland
Nanosphere, Inc. * *2010 SILVER PARTNER!*
NanoString Technologies
NorDiag, Inc
Omega Bio-tek, Inc
OpGen, Inc
PCPGM - Laboratory for Molecular Medicin
Pathwork Diagnostics
Pharmigene, Inc
PreAnalytiX
PrimeraDx
Promega Corporation
Prometheus Laboratories Inc.
QIAGEN, Inc. * *2010 GOLD PARTNER!*
QuantaLife
Quidel Corporation
Response Genetics
Rheonix, Inc
Roche Applied Science
Roche Diagnostics * *2010 DIAMOND PARTNER!*
Sequenom
SeqWright, Inc.
SeraCare Life Sciences, Inc.
Siemens Healthcare Diagnostics *2010 PLATINUM PARTNER!*
Signature Genomics
Skyline Diagnostics
SoftGenetics, LLC
STEMCELL Technologies Inc.
STRATEC Biomedical Systems AG
Therapak Corporation
Thermo Scientific NanoDrop Products
TIB Molbiol, LLC
Transgenomic, Inc
TriLink BioTechnologies, Inc.
TrimGen Corporation
University of Washington Reference Lab
Wafergen Biosystems
Wi, Inc.
ZeptoMetrix Corporation

BOOTH RESERVATIONS and SPECIFICATIONS...

Exhibit Space Rental
All booths are 10' x 10', 20' x 20' or 30'x 30'. A combination of inline and corner booths may be secured to create an inline booth size larger than 10' x 10' or an end cap booth. Exhibitors wishing to create their own island booths or requesting island space other than those islands that pre-exist on the exhibit floor plan will be charged the full cost of any booths deleted to create such an island (if approved by Exhibit Management and Fire Marshall regulations).

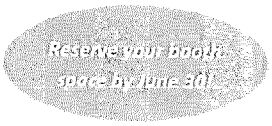
Booth Design
Booths must be designed so that they can be installed and completely removed during published installation and dismantling hours. Failure to comply will result in fees for labor, liability and insurance as determined by Exhibit Management. Any booth design, configuration, and/or height not expressly permitted in this Prospectus requires advance written permission from Exhibit Management.

Each exhibit space will have an 8' high back wall and 3' high side dividers defining the sides of the space. A booth identification sign measuring 7" x 44" and showing only the company name will also be supplied with all booths.

IMPORTANT:

- Exhibiting companies are required to purchase carpeting for their booth area.
- Inline booths are arranged in a straight line. The back wall of any construction in a linear booth shall not exceed 8' in height including signage. All display material is restricted to a maximum height of 4' in the front half or front 5' of the booth and a maximum of 8' in the rear half or the rear 5' of the booth. Side dividers are 3' high.
- Maximum height for all island booths, including signage is 16'. Excessive visual obstructions are prohibited at the discretion of Exhibit Management.
- All displays, booth elements, and other exhibit materials including roofing and floor covering, must be contained within the confines of the booth dimensions. No exhibit may span or extend into an aisle.

Booth Space Reservations
Booth spaces may only be reserved by receipt of completed Exhibitor Application & Contract and full payment for booth space.



Subletting / Sharing Exhibit Space
Subletting or sharing any part of the exhibit space by an exhibitor is prohibited.

Co-Marketing
If two or more companies wish to be assigned exhibit space adjacent to one another, *each company* must include a written request along with the completed Exhibitor Application and Contract form. Space application forms and written requests to co-market must be submitted as one packet, not individually by each company.

Exhibit Management will review and approve or deny applications for co-marketing on a case-by-case basis based on the best use of overall floor space. Applications that arrive separately or after the deadline of **June 30, 2011** will not be honored.

If two or more divisions of a company wish to exhibit in one booth space, they must exhibit under one company name. All badges and Exhibitor Guide listings will be conducted in one name only. Multiple listings for one booth space are not permitted.

Non-Contracted Exhibit Space
Persons, companies or organizations that have not contracted with AMP to occupy space in the Exhibit Hall will not be permitted to display or demonstrate products, processes, or services, solicit orders, or distribute advertising materials in the Gaylord Texan Hotel & Convention Center, parking lots or any hotel contracted by AMP.

Exhibit Hall Reconfiguration and Booth Relocation
Generally, Exhibit Management does not reconfigure the Exhibit Hall but reserves the right to do so. AMP reserves the right to relocate booth space to areas other than that selected by the exhibitor. Relocations will be made only upon notification to the exhibitor by Exhibit Management. Management strives for, but cannot guarantee, that a company will not be located near a competitor.

Booth Space Cancellation or Space Reductions

- All notifications of exhibit space cancellations or reductions must be received in writing by Exhibit Management.
- Cancellations received on or before **August 15, 2011**, qualify for a 75% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 16, 2011** and **September 15, 2011**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 15, 2011**, will forfeit full exhibit space payment.

Note: Reduction of island space dimensions after assignment has been confirmed may result in relocation of the exhibit booth. AMP may cancel exhibitor rooms and room blocks held by a company cancelling or reducing booth space.

EXHIBITOR SERVICES and BOOTH ACTIVITIES...

Official Services Contractor
The Expo Group has been selected as the official services contractor for the AMP 2011 Annual Meeting. Exhibitor Service Kits will be mailed to all exhibitors in August 2011. They may be contacted at 5931 West Campus Circle Drive, Irving, TX 75063 USA Phone: 972-580-9000 FAX 972-465-1187. Those using the services other than those provided by The Expo Group must notify Exhibit Management no later than **September 15, 2011.**

Electronic Lead Retrieval
Attendees at the AMP 2011 Annual Meeting will carry electronically coded name badges. Lead retrieval services will be provided by Trade Show Leads. Lead retrieval service order forms will be included in the Expo Group Exhibitor Service Kit.

Exhibitor Badges
Exhibitor badges must be worn at all times and allow access to the Exhibit Hall and Plenary Sessions ***only.*** Exhibiting companies will receive six badges per 10' x 10' booth space. Additional Exhibitor badges will be available at a fee of $50.00 each. Exhibitor name badge requests must be submitted via the online form at www.amp.org/meetings/2011/exhibits/exhibitor_badges.cfm.

Guest of Exhibitor Badges
Each exhibiting company will be entitled to six Guest of Exhibitor badges; the Guest badges will be available for pick up at registration by the designated company representative. Guest of Exhibitor badges allow for access to the Exhibit Hall, ***only.***

Giveaways and Booth Activities
Exhibiting companies are permitted to distribute promotional materials (giveaways) and other items at their assigned Exhibit Booth location only. All items distributed must be useful to the professional activities of the meeting attendees, have a value of $10.00 or less per item and be made available to all meeting attendees as long as supplies last.

Companies wishing to conduct contests or drawings should contact the Exhibit Management by email at cdavidge@amp.org or by phone at 301-634-7400 for guidelines and permission. No soliciting of registrants is permitted in the aisles, at other exhibitor's booths, or in any other area of the meeting and exhibit facility. No distribution of literature or other promotional items at hotel guestrooms, or in any other public or private area of the hotel is permitted.

Sale of Goods
The sale of goods or services of any kind in the Exhibit Hall in connection with the Annual Meeting is prohibited. Order taking is permitted.

COMPLIMENTARY PROMOTIONAL OPPORTUNITIES...

On-Site Program Listing
Exhibitors must provide a 60-word product description to be included in the Exhibit Guide. This guide is distributed to all meeting attendees. The opportunity to advertise your products and services is complimentary and is available only to AMP's exhibitors. Product description must be submitted by **June 30, 2011.**

Post-Meeting Registration List
AMP will provide a complete registration list to exhibitors within 30 days of completion of the Annual Meeting. This list will be available through **December 15, 2011.** The registration list will be a read-only PDF file and does not include email addresses. The information is the sole property of AMP and cannot be reproduced in any form without express written permission. Pre-registration lists are not available.

ADDITIONAL PROMOTIONAL OPPORTUNITIES...

The Journal of Molecular Diagnostics (JMD)
Editor-in-Chief: Timothy J. O'Leary, MD, PhD, Veterans Health Administration, Washington, DC
JMD is the official publication of the Association for Molecular Pathology, co-published with the American Society for Investigative Pathology, publishes high-quality original papers on scientific advances in the translation and validation of molecular discoveries in medicine into the clinical diagnostic setting, and the description and application of technological advances in the field of molecular diagnostic medicine.

JMD Annual Meeting/Abstracts Issue: November 2011. *This issue is distributed to every AMP Attendee and Exhibitor!* Insertion orders and materials are due September 27, 2011. View the rate card online at http://mediakits.elsevier.com/journalDetail.php?jrn_id=00000575

To advertise in *JMD*, contact Aileen Rivera, Integrated Sales Representative, Elsevier, Tel: 212-633-3721, Fax: 212-633-3820, Email: a.rivera@elsevier.com.

Additional Promotional Opportunities continued...

AMP Membership List
Exhibitors are entitled to a 50% discount for a one-time use of the AMP Membership Mailing List (approximately 1,700 names & addresses) for use in advertising their products and services. (Email addresses are not provided.) Requests must be made via email to Catherine Davidge at *cdavidge@amp.org* no later than **September 30, 2011.**

Meeting Program Book Display Advertising
Reach every attendee while they are at the 2011 AMP Annual Meeting and long after the close of the event! Program Book display ads are a great way to keep your product or service "top of mind."

Program Book Ad Rates	**Standard Rate**	***Discounted as Noted***
Back Cover of Meeting Program - Color, 7" x 10"	$3,000	$1,500
Inside Front or Back Cover - color, 7" x 10"	$2,300	$1,150
Full page b/w only, 7" x 10"	$1,250	$ 750
Page Horizontal - b/w only, 7" x 4.75"	$1,000	$ 500
1/2 Page Vertical - b/w only, 3.25" x 10"	$1,000	$ 500
1/4 Page Vertical - b/w only, 3.25" x 4.75"	$ 750	$ 375

Special Offer to IMD Advertisers!

Purchase a full page ad in the November 2011 issue of IMD and receive 50% off a Meeting Program ad.

Specifications
Color Ad: PDF (embed fonts), jpg, or tif
Black and White Ads: 300 dpi tif, pcx, or PDF (embed fonts)

Program insertion orders and materials due September 15, 2011

CORPORATE SPONSORSHIP, WORKSHOP, PARTNER, and SUPPORT OPPORTUNITIES...

AMP welcomes and encourages new opportunities for sponsorships. Let's talk if you have an idea!

Corporate Sponsorships
Expand your company's reach by sponsoring activities, events, and sessions at the AMP Annual Meeting! Sponsorship opportunities include dining events, coffee breaks, plenaries, symposia, and workshops. Also available for sponsorship are attendee services, such as an iPod App, notepads, pens, and social events. Companies providing sponsorship will be individually recognized in the AMP Meeting Program, on the AMP Website, and via signage at the event. To sponsor an activity or service at AMP 2011 Annual Meeting, complete and return the Sponsorship Opportunities Form (page 11) with payment no later than **September 30, 2011.**

Corporate Workshops
A full day of Corporate Workshops will take place on Wednesday, **November 16, 2011.** Meeting rooms have been reserved for these gatherings at the Gaylord Texan Hotel & Convention Center. The cost to host a workshop is $3,500 per hour and includes basic audio visual setup. Catering arrangements should be made directly with the hotel and will be billed directly to you. Workshops will run concurrently during the morning and afternoon AMP sessions.

Deadline for submitting the completed **Corporate Workshop Application Form** on page 10 including the title and description is **June 30, 2011.** AMP aims to collaborate with your company by creating a program that most benefits presenters and attendees (minimizing topic duplications or other conflicts). By submitting the completed Corporate Workshop Application Form by **June 30, 2011** AMP will be able to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Texan Hotel & Convention Center for other necessary arrangements. A schedule and full description of Corporate Workshops will be posted on the AMP website at www.amp.org, and in the Fall 2011 *AMP Newsletter.*

Corporate Partners
The AMP Corporate Partners Program is designed to provide our corporate supporters with additional high-visibility opportunities to further promote their company at the annual meeting, other AMP educational events, and on the AMP Website.

Benefits of corporate partnership include preferred or priority booth assignments, special recognition on the AMP Website with your company's logo and a link to the website, as well as acknowledgement in the AMP Annual Meeting review issue of the AMP Newsletter. These benefits are just the beginning. Refer to the Corporate Partners Commitment form on page 14 of the Exhibitor Prospectus, or contact Catherine Davidge at AMP by email at cdavidge@amp.org or by phone at 301-634-7400. *See page 11 for details about the Corporate Partners Program.*

Corporate Supporters
AMP invites and appreciates the financial support that companies provide for AMP programs. Corporate support opportunities include the abstract submission service, awards, pathology outreach, and webinars. Contact Catherine Davidge for details about AMP's Corporate Support Opportunities.

ANCILLARY and SATELLITE EVENTS...

Ancillary events are non-AMP events held immediately before or after the AMP Annual Meeting dates of November 17-19, 2011. Satellite events are non-AMP events held during the AMP Annual Meeting dates, in either the morning or evening - before or after the official AMP sessions and social events of the day.

Individuals and organizations are welcome to host ancillary and satellite events provided they *do not conflict* with any official AMP scientific sessions or sponsored social events. Refer to the schedule online at www.amp.org/meetings/2011 for the most current AMP schedule.

To host an ancillary or satellite event, contact Catherine Davidge at AMP by email at cdavidge@amp.org or by phone at 301-634-7400. Requests must be received no later than **June 30, 2011.**

Ancillary and Satellite Event Rules and Regulations:

1. All ancillary and satellite events must be approved in advance by Exhibit Management.
2. AMP will not assist with the planning, funding, or management of ancillary or satellite events. Hosts are responsible for all arrangements and costs associated with their events which may include: room rental, audiovisual equipment, food and beverages.
3. Space *may* be leased from AMP at the contracted hotel(s) on a first-come, first-served basis. There will be an administrative fee charged to the host for any space released by AMP for an ancillary or satellite event. Note – commercial companies requesting space from AMP must be contracted to exhibit at the AMP 2011 Annual Meeting. Space will not be released to non-exhibiting companies.
4. Cancellation of Exhibit Booth space will result in automatic cancellation of ancillary or satellite event.
5. Should the purpose for any ancillary or satellite event be misrepresented to Exhibit Management, the sponsoring organization will be penalized by AMP, including being suspended from participation in future AMP events.
6. Ancillary events must not conflict with the timing of AMP scientific sessions as outlined in the preliminary meeting schedule. (AMP is not responsible for subsequent schedule changes made by the Program Committee and will inform organizers if their requested time must be changed).
7. To be listed in the AMP 2011 Meeting Program and on the AMP Website, all details including the title, time, date, and location must be provided to AMP no later than **September 15, 2011.**
8. Signs, brochures, and other advertising materials are not permitted in any of the public areas of the convention center or hotel. Any such signage will be removed. Signs can be displayed outside the meeting room on the day of the event.
9. Organizers will be informed of their confirmed room assignment in September 2011.

HOTEL and TRAVEL INFORMATION...

Hotel Accommodations

Accommodations will be provided for exhibitors and attendees at the Gaylord Texan Hotel & Convention Center (where sessions will be held) located at 1501 Gaylord Trail, Grapevine, TX 76051. For rates, availability, location and reservation information please visit www.amp.org/meetings/2011/hotel.cfm. For general information, visit the Gaylord Texan Hotel & Convention Center Website at: http://www.gaylordhotels.com/gaylordtexan/.

NOTE: Full payment is due upon reservation for all rooms and nights. This requirement has become necessary due to room cancellations by exhibitors in the past, resulting in many thousands of dollars in attrition penalties for AMP. We appreciate your cooperation and understanding.

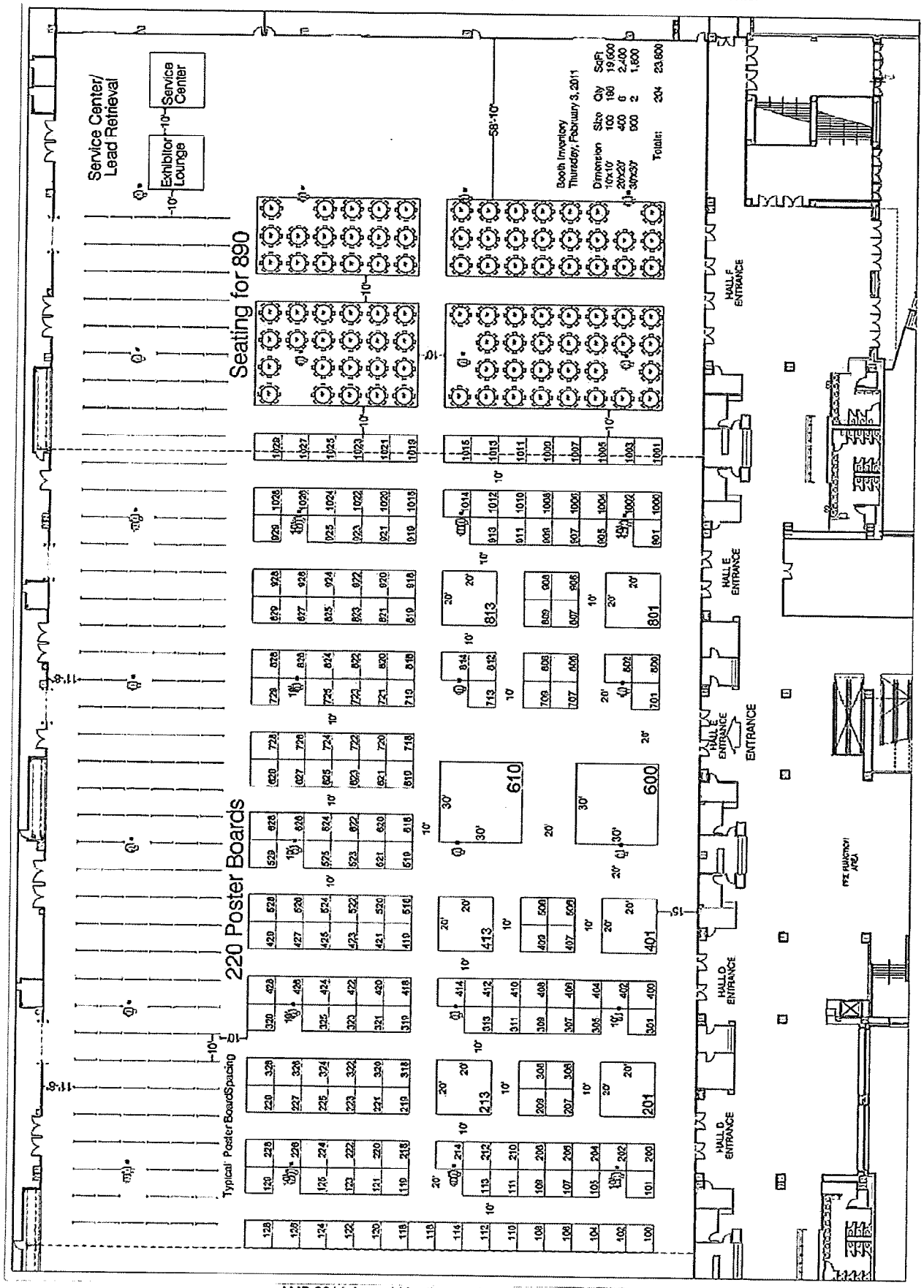
Air Travel Discounts

The Gaylord Texan Resort & Convention Center is located in Grapevine, TX a short ten minute ride from the Dallas-Fort Worth International Airport. American Airlines is offering a discount of up to 10% on airfare, plus other travel discount options to and from the AMP Annual Meeting. The percentage discount can be booked online at www.aa.com/group or by phone at 800-433-1790 through the AA Group Sales Reservation Desk. Please mention the star file **A63N1AU** (AMP Annual Meeting) to receive your special fare.

Ground Transportation & Car Rentals

Avis Rent-A-Car will be providing rental discounts to our group for ground transportation. To make rental car reservations, call the Avis Convention Desk directly at 888-754-8878. The desk is available to assist you twenty-four hours a day. Please mention the group file **AWD# D086607** to obtain the best possible car rental rates available.

The Gaylord is just minutes from Dallas-Fort Worth International Airport. Cab fare to the hotel from the airport is roughly $30.00. Shuttle service is available as well for $15.00. Visit the Gaylord Texan Hotel & Convention Center Website at http://www.gaylordhotels.com/gaylordtexan/ for more information.


Service Center/
Lead Retrieval
Service Center
Exhibitor Lounge
Seating for 890
220 Poster Boards
Typical Poster Board Spacing
Booth Inventory
Thursday, February 3, 2011
Dimension Size Qty SqFt
10x10' 100 190 19,000
20x20' 400 6 2,400
30x30' 900 2 1,800
Totals: 204 23,600
610
600
813
801
413
401
213
201
HALL F ENTRANCE
HALL E ENTRANCE
HALL D ENTRANCE
ENTRANCE

Exhibitor Application and Contract

Exhibit Days: November 17-19, 2011
Deadline: June 30, 2011

Company Name: *(Please list company name as you would like it to appear in the AMP 2011 program, exhibitor badges and any required signage)*		
Primary Contact Individual: *(This person will receive all AMP 2011 exhibitor correspondence)*		
Address:		Telephone:
City:	State/Province:	Fax:
Zip/Postal Code:	Country:	Email:
Booth Choices: 1._____ 2. _____ 3. _____ 4. _____	Alternate Contact Person (Name and Email)	
❑ We plan to Co-Market with:_____(company name). We wish to be placed in adjacent booth spaces. Letters of request attached.	List any exhibitor(s) you wish to be near:	
❑ Special booth configuration request attached.	List any exhibitor(s) you do not wish to be near:	

Signage ❑ NO, we do not require an identification sign ❑ YES, we do require an identification sign

Product Description

❑ A 60-word description of products or services is requested for inclusion in the Meeting Program. Descriptions exceeding 60 words may be edited by AMP. Submit online at www.amp.org/meetings/2011/exhibit_description.cfm **by June 30, 2011.**

Booth Fees *(Refer to Exhibit Hall Floor Plan)*

- ❑ 10' x 10' Inline.....$ 4,000 *(bounded by front aisle only)*
- ❑ 10' x 10' Corner.....$ 4,750 *(bounded by a front and side aisle)*
- ❑ 10' x 20' Inline.....$ 8,000 *(bounded by front aisle only)*
- ❑ 10' x 20' End Cap.....$ 12,000 *(bounded by aisles on three sides)*
- ❑ 20' x 20' Island.....$19,000
- ❑ 30' x 30' Island.....$39,000
- ❑ 10' x 10' Non-Profit *(Inline only)* $ 2,000
- ❑ Other *(Size and Cost)*_____

Add $4,000 for each additional inline and $4,750 for each additional corner booth space (10' x 10')

Payment of Fees

Full payment must accompany the Exhibitor Application and Contract Form or it will not be processed. Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

❑ MC ❑ VISA ❑ AMEX Expiration Date:

Account #:

Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.

Name on Card:	Signature:	Date:

In accordance with the terms, conditions and regulations governing exhibits of the AMP 2011 Annual Meeting at the Gaylord Texan Resort and Convention Center in Grapevine, TX November 17-19, 2011 the undersigned hereby makes application for exhibit space(s) that, when accepted by AMP Exhibit Management, becomes a contract. All rules and regulations as outlined in the AMP Annual Meeting Exhibitor Prospectus, as well as any amendments published by AMP, are part of this contract. Failure to abide by such rules and regulations results in forfeiture of all monies paid AMP Exhibit Management under terms of this agreement.
By signing below, I confirm that I have read, understand, and accept these terms, conditions, and regulations.

Signature:	Date:

Deadline for Exhibitor Application and Contracts, description of products or services, and payment: June 30, 2011
Space will be sold on a first-come, first-served basis. Booth space will be verified upon receipt of completed application including full payment and description of products or services. IMPORTANT: No booths will be held or assigned without required full pre-payment & company description. Submit your 60-word description of products and services at www.amp.org/meetings/2011/exhibit_description.cfm.

Please submit completed Exhibitor Application and Contract with payment to:

Catherine Davidge
Marketing & Web Communications Manager
Association for Molecular Pathology
Suite E133
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *cdavidge@amp.org* • Web: www.amp.org

Exhibit Space Cancellation Policy: All exhibit space cancellations must be received in writing by AMP Exhibit Management (Catherine Davidge).

- Cancellations received on or before **August 15, 2011** qualify for a 75% refund of all monies paid for booth space rental.
- Any company cancelling its booth space between **August 16, 2011** and **September 15, 2011**, will forfeit 50% of the total cost of exhibit space rental.
- Any company cancelling after **September 15, 2011** will forfeit full exhibit space payment

Exhibitor Application and Contract Checklist

The following items must be completed prior to submission:

- ☐ **Full company name** to be published on all materials is clearly noted (please print clearly or type to omit any errors)
- ☐ **One primary and one alternate contact persons** are noted on your application for AMP to communicate all necessary information regarding the meeting and exhibits
- ☐ **60 word Product Description** has been submitted: www.amp.org/meetings/2011/exhibit_description.cfm
- ☐ **Preferred booth space selection**(s) and booth type have been noted
- ☐ **Full payment** is provided either by credit card information listed on application or accompanying check
- ☐ **Corporate Workshop Application** submitted (if applicable)
- ☐ **Sponsorship Opportunities Request submitted** (if applicable)

Corporate Workshop Application Checklist

The following items must be completed prior to submission:

- ☐ Full **workshop title** has been included on application form
- ☐ **One primary and one alternate contact persons** are noted on your application for AMP to communicate all necessary information regarding the meeting and exhibits
- ☐ **Workshop topic descriptor** has been identified
- ☐ 100 word workshop topic description has been submitted online via http://www.amp.org/meetings/2011/corporate_workshops_descriptions_form.cfm
- ☐ **Workshop length and preferred room size** has been noted
- ☐ **Full payment** is provided either by credit card information listed on application or accompanying check
- ☐ **Sponsorship Application submitted** (if applicable)

Forward all completed forms with payment to:

Catherine Davidge
Marketing & Web Communications Manager
Association for Molecular Pathology
Suite E133
9650 Rockville Pike, Bethesda, MD
20814

Tel: 301-634-7400 * Fax: 301-634-7990
Email: *cdavidge@amp.org* * Web:
www.amp.org

Corporate Workshop Application Form

Corporate Workshops Day: Wednesday, November 16, 2011
Deadline: June 30, 2011

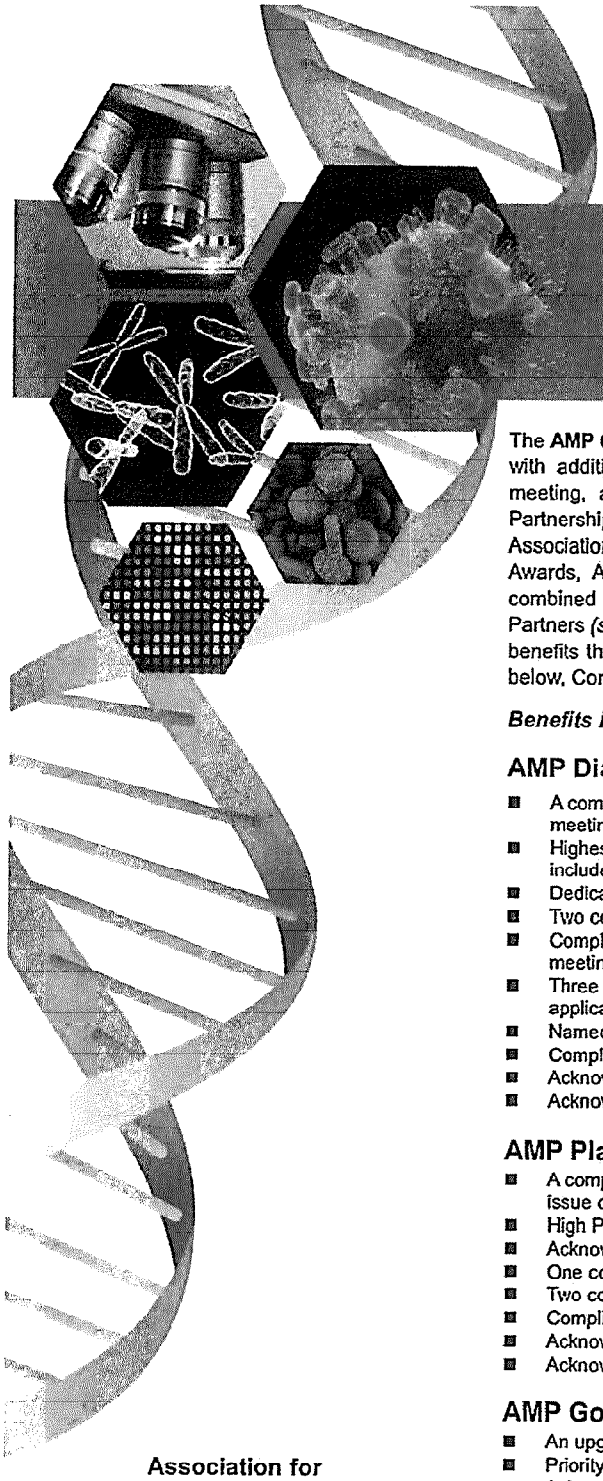
A full day of corporate presented workshops will take place on Wednesday, November 16, 2011. For exhibiting companies, only, meeting rooms have been reserved for workshop presenters at the Gaylord Texan Resort and Convention Center in Grapevine, TX. The fee for each workshop is $3,500 per hour. This fee includes basic audiovisual setup for the room. Catering arrangements should be made directly with the hotel and will be billed directly to you. Up to four workshops will run concurrently during the morning and afternoon sessions. **Please submit your completed Corporate Workshop Application Form to Catherine Davidge by June 30 so that we can work with you to arrange a schedule that most benefits presenters and attendees (minimizing topic duplications or other conflicts).** This will allow us to provide early notification to our membership and meeting attendees about your workshop for early registration and travel planning purposes. We can also put you in touch with our contact at the Gaylord Texan Resort and Convention Center for other necessary arrangements. **If you plan to host more than one workshop, please submit a separate form for each workshop (payment may be combined).**

Company:	
Contact Individual(s):	
Address:	Telephone: Fax: Email:
Workshop Content Descriptors – *Select one that most closely identifies the workshop topic* ❑ Extraction / Purification ❑ Genetics / Cytogenetics ❑ Infectious Diseases - General ❑ Informatics ❑ Microarrays ❑ Multiplex Assays	❑ Mutation Analysis ❑ Pharmacogenetics/Pharmacogenomics ❑ QC / Validation ❑ Sequencing / Next Generation Sequencing ❑ Viral Assays ❑ Other: (please specify) _____
Title of Workshop you are interested in presenting:	Requested Time Slot:
Maximum number of attendees:	Targeted number of attendees:
How long will the workshop last? ❑ 1 Hour ❑ 2 Hours ❑ 3 Hours	
Format you prefer ❑ Classroom ❑ Theater ❑ Demonstration w/6 ft tables ❑ Include ____ Head table(s) ❑ Schedule all of our workshops as back-to-back and in the same meeting room	
NOTE: $3,500 per hour -includes a basic audio visual setup (Screen, LCD Projector, Podium Mike), only. Special Requirements (electricity, sink, etc.) and Other Information (these requirements will be forwarded to the contact person at the convention services department so they can coordinate with you): **IMPORTANT: Final arrangements must be confirmed directly with the hotel representative.**	
Full payment must accompany this application form for consideration. Payments for Corporate Workshops may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:	
❑ MC ❑ VISA ❑ AMEX	Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*
	❑ 1 Hour Workshop..... **$3,500** ❑ 2 Hours of Workshops..... **$7,000** ❑ 3 Hours of Workshops... **$10,500**
Name on Card:	Signature: Date:

A one paragraph description of your workshop (~100 words) must be submitted online by June 30 at http://www.amp.org/meetings/2011/corporate_workshops_descriptions_form.cfm
This description will be used for distribution to AMP members; posting on the AMP website's meeting section, in the AMP Newsletter, and publication in the meeting program. **Space will be sold on a first-come, first-served basis. Workshop times will be verified upon receipt of completed application including full payment and workshop description. Preliminary schedule/assigned time slot will be provided approximately 30 days after submission deadline.**

Please submit the completed Corporate Workshop Application Form to:
Catherine Davidge
Marketing & Web Communications Manager
Association for Molecular Pathology – Suite E133
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *cdavidge@amp.org* • Web: www.amp.org

Corporate Workshop Cancellation Policy: All corporate workshop cancellations must be received in writing by AMP Meeting Management (Catherine Davidge).
- Cancellations received on or before **August 15, 2011** qualify for a 75% refund of all monies paid for workshop time slot.
- Any company cancelling its workshop time slot between **August 16, 2011** and **September 15, 2011**, will forfeit 50% of the total cost of their corporate workshop payment.
- Any company cancelling after **September 15, 2011** will forfeit full corporate workshop payment.
- Cancellation of exhibit booth will result in automatic cancellation of corporate workshop.



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2011 AMP Corporate Partners Program

The **AMP Corporate Partners Program** is designed to provide our corporate supporters with additional high-visibility opportunities to highlight their company at the annual meeting, at other AMP educational events, and on the AMP website. Corporate Partnerships are renewable each year and support the educational initiatives of the Association. Contributions received for support of activities at the Annual Meeting, Awards, AMP Test Directory, and Educational or General Unrestricted Grants are combined to qualify those with significant interest and investment in AMP as Corporate Partners *(see the following page for details)*. AMP Corporate Partners receive significant benefits that elevate their visibility to AMP members. In addition to the benefits listed below, Corporate Partners are given first notification of selected support opportunities.

Benefits include:

AMP Diamond Level Corporate Partner ($75,000)

- A complimentary four-color, full page, priority placement ad in the annual meeting issue of *JMD* (November)
- Highest Priority booth space location for the following year's Annual Meeting and includes one division or subsidiary that exhibits in a separate booth
- Dedicated acknowledgement signage at the Annual Meeting
- Two complimentary attendee registrations to the Annual Meeting
- Complimentary meeting room for internal company meetings during the annual meeting
- Three complimentary tickets to the annual meeting banquet/social event (if applicable)
- Named supporter of an unreserved activity at no extra fee
- Complimentary use of the member mail list twice during the year
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Platinum Level Corporate Partner ($50,000)

- A complimentary four-color, full page, priority placement ad in any non-meeting issue of *JMD*
- High Priority booth space location for the following year's Annual Meeting
- Acknowledgement on signage at the Annual Meeting
- One complimentary attendee registration to the Annual Meeting
- Two complimentary tickets to the annual meeting banquet/social event (if applicable)
- Complimentary one-time use of the member mail list
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Gold Level Corporate Partner ($30,000)

- An upgrade ad placement in any non-meeting issue of *JMD*
- Priority booth space location for the following year's Annual Meeting
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

AMP Silver Level Corporate Partner ($15,000)

- Preferred booth space location for the following year's Annual Meeting
- Acknowledgement in the annual meeting review issue of the AMP Newsletter
- Acknowledgement on the AMP website, with logo, and link to company website

Association for Molecular Pathology
Marketing, Development & Web Communications Manager
9650 Rockville Pike
Bethesda, MD 20814-3993 (USA)
Tel: 301-634-7400
Fax: 301-634-7990
Email: *cdavidge@amp.org*
www.amp.org

ILLUM-0379

Sponsorship Opportunities Form

Deadline: September 30, 2011

Activity sponsorship will be individually recognized in the meeting program, on the AMP website, and on signage.
All sponsorships for the following activities are credited toward your Corporate Partnership. Sponsorship opportunities sell quicklyl Act now to secure your sponsorship. Activities and services available for sponsorship include:

Event		Sponsorship
Dining Events Sponsorship	Continental Breakfast – Thurs 11/17	☐ $ 5,000
	Continental Breakfast – Fri 11/18	☐ $ 5,000
	Continental Breakfast – Sat 11/19	☐ $ 5,000
	Morning Coffee Break – Thurs 11/17	☐ $ 2,000
	Morning Coffee Break – Fri 11/18	☐ $ 2,000
	Morning Coffee Break – Sat 11/19	☐ $ 2,000
	Lunch – Thurs 11/17	☐ $12,000
	Lunch – Fri 11/18	☐ $12,000
	Lunch – Sat 11/19	☐ $12,000
	Afternoon Coffee Break – Thurs 11/1719	☐ $ 2,000
	Afternoon Coffee Break – Fri 11/1819	☐ $ 2,000
	Afternoon Coffee Break – Sat 11/19	☐ $ 2,000

Event		Sponsorship
Scientific Session Support *The number of topic sessions may be changed by the Program Committee.* *The Annual Meeting Preliminary Program is available online at www.amp.org*	Plenary Sessions (6) # of Sessions to Sponsor (1-6) _____	☐ $ 5,000 x # of Sessions to Sponsor _____
	Symposia (4) # of Symposia to Sponsor (1-4) _____	☐ $ 5,000 x # of Symposia to Sponsor _____
	Workshops (12) # of Workshops to Sponsor (1-12) _____	☐ $ 2,500 x # of Workshops to Sponsor _____
	There will be six Plenary Sessions, four Symposia and 12 workshops. For topic/title of each programmed session please see www.amp.org/2011/program or contact Catherine Davidge at cdavidge@amp.org *Note: You may choose to support a specific Workshop, Symposium, or Plenary. Support of educational activities requires an unrestricted educational grant and completion of a Commercial Agreement Letter.*	

Description		Sponsorship	
Education Grant	Unrestricted Education Grant for AMP Activities	☐ $ _____ (no minimum)	
Pathology Outreach Course	Supporter	☐ $10,000	
Charging Station, Hotel Keycards, iPOD App, Lanyards, Pens Pads, Social Event, and other Attendee Services	Meeting Bags	☐ $15,000	
	Power2Go Charging Station	☐ $10,000	
	iPhone / iPAD App	☐ $10,000	
	Electronic Signage	☐ $30,000	
	Lanyards	☐ $10,000	
	Hotel Room Keycards	☐ $10,000	
	Notepads	☐ $10,000	
	Pens	☐ $10,000	
	Social Event	☐ $5,000 for five tables	☐ $1,500 for one table
	Other Attendee Services	*Contact Catherine Davidge at AMP cdavidge@amp.org*	

Company:		
Contact Individual:		
Address:	Telephone:	
	Fax:	
	Email:	

Payment may be made by check in U.S. dollars drawn on a U.S. bank, or MC, VISA, AMEX by completing the following credit card information:

☐ MC ☐ VISA ☐ AMEX	Credit Card Account #: Expiration Date: *Note: Credit Card payments are processed through the American Society for Investigative Pathology (ASIP) and your credit card invoice will reflect this.*

Name on Card:	Signature:	Date:

Thank you for sponsoring an activity at the AMP Annual Meeting. Please send the completed Sponsorship Opportunities Form and payment by **September 30, 2011.**

AMP encourages and welcomes your ideas for additional sponsorship opportunities! Please contact Catherine to discuss your ideas.

Catherine Davidge
Marketing & Web Communications Manager
Association for Molecular Pathology
Suite E133
9650 Rockville Pike, Bethesda, MD 20814
Tel: 301-634-7400 • Fax: 301-634-7990
Email: *cdavidge@amp.org* • Web: www.amp.org

Support AMP Webinars and gain visibility for your company!

ASSOCIATION FOR MOLECULAR PATHOLOGY
2011 WEBINAR SERIES
Presented by the AMP Training & Education Committee

Become a Supporter of AMP Webinars

2011 Webinar Support:

$2,500 **per webinar; exclusive supporter**

(Attention AMP Corporate Partners: Webinar support counts towards your Partnership commitment)

2011 Webinar Topics:

Webinar topics and speakers are selected by the AMP Training & Education Committee. A list of future webinars can be found on the AMP website, under the "Education" tab. Please indicate the topic areas and number of webinars you wish to support below. We will send you the webinar titles in the topic area(s) you choose.

# Webinars	Topic Area
_____	Genetics
_____	Hematopathology
_____	Infectious Diseases
_____	Management/Regulatory/ Reimbursement

Supporter Benefits:

- **Exclusive Supporter** *(only one supporter per webinar)*
- **Acknowledgement on the AMP Website**
- **Acknowledgement on the webinar announcement and invitation**
- **Acknowledgement during the webinar**

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www.amp.org

Contact Information:

Organization/Company_____

Contact Name_____

Address_____

City_____

State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Payment:

☐ We are an AMP Corporate Partner and would like to support this as part of our commitment *(AMP Corporate Partners do NOT need to provide payment information on this form)*

☐ Check enclosed *(made payable to "Association for Molecular Pathology"*

Charge my credit card* Amount $_____

☐ VISA ☐ MasterCard ☐ American Express

Credit Card #_____ Exp Date_____

Card Holder Name *(please print)*:

_____

Signature_____ Date_____

Credit Card Billing Address_____

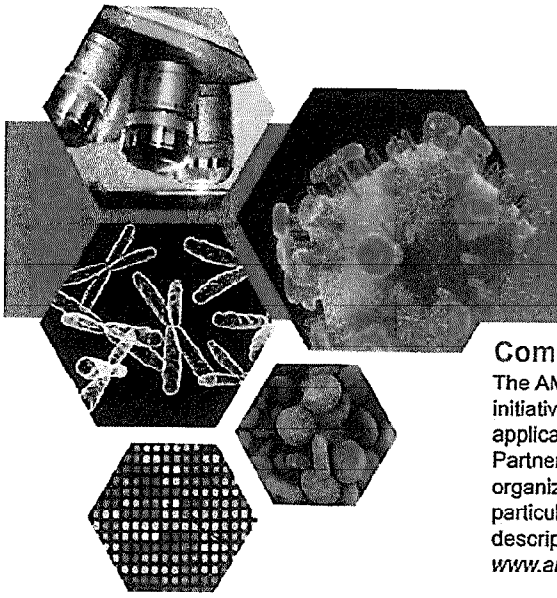
City_____ State_____ ZIP_____

Country_____

***IMPORTANT:** If paying by credit card, the charge on your credit card statement will be from the American Society for Investigative Pathology (ASIP). AMP is a constituent society of the office of the American Society for Investigative Pathology and uses the ASIP credit card processing system.

www.amp.org

AMP.org Association for Molecular Pathology



Highlighting Your Products and Services to Molecular Laboratory Professionals

ASSOCIATION FOR MOLECULAR PATHOLOGY

2011 AMP Corporate Partners Program

Commitment Form

The AMP Corporate Partners Program supports the Association and its educational initiatives through unrestricted educational grants. A completed and approved application with payment is required to begin implementation of benefits. Corporate Partner contracts are renewable each year. AMP is a 501(c)3 not-for-profit organization. Contributions may be designated to support specific activities such as particular activities at the annual meeting and/or other education events. Complete descriptions of support opportunities are available on the AMP website at *www.amp.org.*

Select Your 2011 Corporate Partnership Level:

- ☐ Diamond Partnership, $75,000/year
- ☐ Platinum Partnership, $50,000/year
- ☐ Gold Partnership, $30,000/year
- ☐ Silver Partnership, $15,000/year

Select Your Payment Plan:

- ☐ Full Payment Enclosed
- ☐ Four (4) Payment Plan:

Please include the first payment with this form.
#1 - 25% due 3/31/2011

AMP will invoice you one month prior to the payment-due date for the following 3 payments. Invoice will be sent to the contact name listed at right.
#2 - 25% - payment due 5/31/2011
#3 - 25% - payment due 7/31/2011
#4 - 25% - payment due 10/1/2011

Contact Information:

Organization/Company_____

Contact Name_____

Address_____

City_____ State/Province_____ Zip_____

Country_____

Tel_____

Fax_____

Email_____

Payment: *(please indicate desired partnership level and payment plan at left)*

☐ Check enclosed *(made payable to "Association for Molecular Pathology" or "AMP")*

Charge my credit card* Amount $_____

☐ VISA ☐ MasterCard ☐ American Express

Credit Card #_____ Exp Date_____

Card Holder Name *(please print)*_____

Signature_____ Date_____

Credit Card Billing Address_____

City_____ State_____ ZIP_____ Country_____

***IMPORTANT:** If paying by credit card, the charge on your credit card statement will be from the American Society for Investigative Pathology (ASIP). AMP is a constituent society of the office of the American Society for Investigative Pathology and uses the ASIP credit card processing system.

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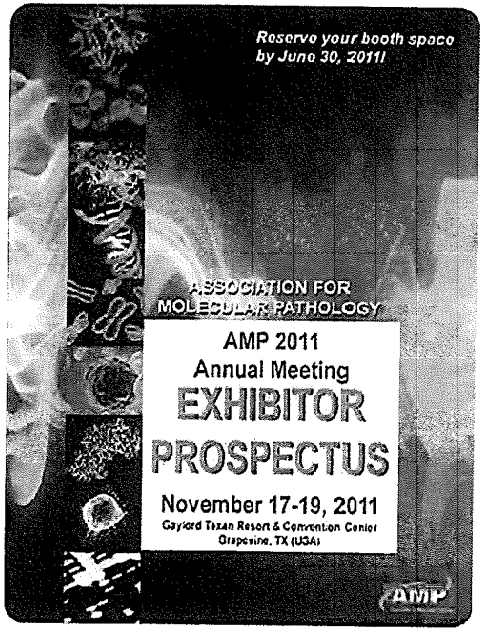
Bethesda, MD 20814 (USA)

ASSOCIATION FOR MOLECULAR PATHOLOGY

AMP 2011 Annual Meeting

Your single best opportunity to reach hundreds of molecular laboratory professionals!



ILLUM-0383

Exhibit 311A

ILLUM-0065

AACC 2006 ANNUAL MEETING

Annual Meeting

July 23 - 27, 2006
McCormick Place Convention Center
Chicago, Illinois

EDUCATION NETWORKING EXPOSITION

Individual Annual Meeting sessions have been developed in cooperation with: American Diabetes Association, American Society for Clinical Laboratory Science, Association for Clinical Biochemistry, Association for Molecular Pathology, Institute for Quality in Laboratory Medicine, National Academy for Clinical Biochemistry, United Kingdom National External Quality Assurance Immunochemistry Group

JOIN US IN CHICAGO FOR THE AACC ANNUAL MEETING:

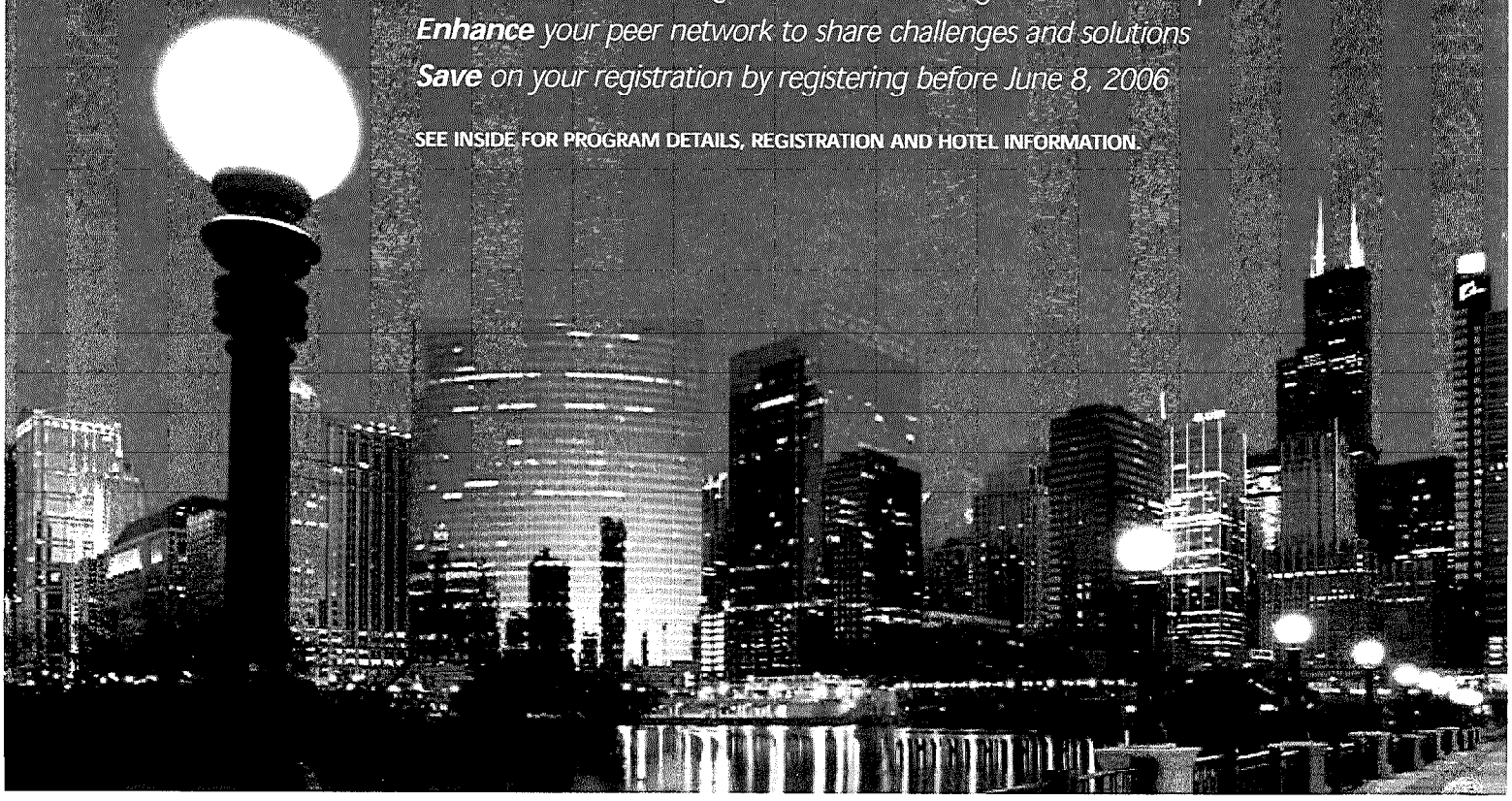
Learn *leading edge science, clinical applications of lab tests plus ways of improving your operations today*

Evaluate *new technologies in the world's largest clinical lab exposition*

Enhance *your peer network to share challenges and solutions*

Save *on your registration by registering before June 8, 2006*

SEE INSIDE FOR PROGRAM DETAILS, REGISTRATION AND HOTEL INFORMATION.



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AACC ANNUAL MEETING

Dear Colleague:

We hope you'll join us in Chicago—July 23-27, 2006—at the American Association for Clinical Chemistry's 2006 Annual Meeting.

This year's program is more dynamic than ever. We have added new types of sessions to the Program. On Sunday, you can register for Short Courses and Interactive Workshops at AACC University—without paying the general registration fee. For specifics, see page 3. During the week, we have added "Meet the Experts" sessions—a chance to meet with Plenary speakers and other experts in small groups for interactive discussions. And you can hear presentations by the authors of the most outstanding poster abstracts at special presentations on Tuesday and Wednesday.

Flip through the pages of this brochure to plan your meeting schedule.This year, there are five outstanding Plenary sessions and 30 Symposia. You can also enroll for Short Courses, Interactive Workshops, Meet the Experts sessions and Brown Bag sessions—for all of which advance registration is suggested as attendance is limited.

You'll get a first-hand preview of breakthrough science and technology at our Clinical Lab Expo. Bolster your operational decisions and plan for future acquisitions as you evaluate products for point-of-care, clinical, molecular and genetic diagnostics, OEM, automation and information systems, biotech and more.

The clinical and management information you'll take home from the AACC Annual Meeting will be worth much more than the cost of your registration. Even more valuable are the opportunities you'll have to network with your peers during the mixers, breaks, and interactive sessions. You'll form relationships that will continue after the Annual Meeting ends.

All this, and you can earn CEUs as well.

We look forward to seeing you in Chicago this summer.

Sincerely,

John E. Sherwin, PhD
AACC President

P.S. Register by June 8 and save $125 on your registration.
See page 81 to register or sign up online at: www.aacc.org/2006am.

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SESSIONS BY DAY

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Patient Safety/Lab Errors 14
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See inside spread for Annual Meeting-At-A-Glance Schedule and Personal Meeting Planner

ILLUM-0068

AACC UNIVERSITY

Sunday, July 23, 2006

THE CONFERENCE BEFORE THE CONFERENCE!

AACC University includes 15 Short Courses and Interactive Workshops that you can attend without paying the general registration fee. Don't have the time or budget to attend the full Conference? Are you too busy during the week to go to educational sessions? This is your chance to participate in educational sessions at lower cost and on your schedule.

Learn about recent scientific breakthroughs and innovative techniques

Evaluate new technologies to improve organizational performance

Enhance your peer network to share challenges and solutions

AACC University offers a wide variety of topics, so you are sure to find something of interest. See pages 14-21 for descriptions of these sessions.

Alphabet Soup - The Hepatitis Viruses 191001

Perspective and Tools: How to Interpret Pharmacogenetics Testing 191003

The Art of Evidence Based Medicine: Approaches to Question Formulation and Study Design 191004

Tumor Markers: How We Use Them in the Clinic and New Developments 191008

LC/MS/MS Instrumentation Applications in Clinical Laboratory Medicine 191010

Blood Gas, Calcium, Magnesium, and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications 191011

Concepts and Practices in the Evaluation of Laboratory Methods 191012

Principles of Molecular Diagnostics 191014

Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure 191016

Autoverification in the Clinical Laboratory - It's More Than Meets the Eye! 191009

Hemoglobinopathies and Thalassemias: A Case Study Approach 191002

Hot Topics in Point-of-Care Testing 191005

Solving Day-To-Day Management Challenges: Case Histories & Applications 191007

Service Excellence Is Sweeping Through Healthcare: Applying These Principles In Laboratory Management 191013

How Laboratorians Can Gain Hospital Executives' Support for Implementing Laboratory Automation Technology 191015

MEET THE EXPERTS

Want to talk one-on-one with any of the Plenary speakers or other leaders in the field? Sign up for a Meet the Experts session, where you'll take part in an extended Q&A exchange. Attendance at the sessions will be strictly limited, and advance registration is highly encouraged. See page 5 for scheduled days and times of these invaluable sessions.

CHAIR'S INVITED SESSIONS

The Chair of the 2006 Annual Meeting Organizing Committee created these two special sessions of particular importance to annual meeting attendees. This is an opportunity to hear about lab staffing issues as well as educating consumers about lab testing. These sessions are included in the general conference registration fee. See pages 56 and 61 for details.

ILLUM-0069

MAKE THE MOST OUT OF YOUR VISIT TO CHICAGO DURING THE AACC ANNUAL MEETING.

>Benefit from the multiple scientific sessions.

>Develop and expand on professional and personal relationships that will go on long after the meeting concludes.

>Take the opportunity to evaluate new technology in our Clinical Lab Expo.

The information is all right here at your fingertips.

Use this brochure to help create your personal agenda for the meeting. To simplify the process, we've divided it into easy-to-use sections. You can:

Choose your sessions by topic.
Are there "can't miss" sessions you want to attend? For cutting-edge information on such issues as pharmacogenomics, immunology, cardiac markers, cancer, diabetes, information management, instrumentation and analytical methods and more, turn to the table of contents on page 2 for a listing of hot topic sessions. Be sure to mark the sessions that interest you.

Choose your sessions by type of program.
While many sessions are open to all Annual Meeting conference registrants, others require advance registration and/or additional fees. Special icons in the center Meeting-At-A-Glance will guide you to the various session selections, so that you can evaluate formats and select choices that make sense for your budget and learning style.

Choose your sessions by date and time.
Plan your time in Chicago by reviewing the Sessions-by-Day (beginning on page 12) or Meeting-At-A-Glance in the center of this brochure. We've also included information on the Clinical Lab Expo, networking opportunities and committee meetings.

SIMPLIFY YOUR ANNUAL MEETING PLANNING – ONLINE.

Go to www.aacc.org/2006am to search for sessions by: topic, keyword, speaker, date, time or type of session.

Register by June 8 and save! Turn to page 81 or go to: www.aacc.org/2006am

SESSION DESCRIPTIONS

These brief descriptions will help you in planning your meeting agenda:

PLENARY

Open to all conference registrants.

Plenary sessions feature speakers with different perspectives on the future of healthcare. Plenary speakers are nationally recognized leaders from clinical practice, research, business and policy. The sessions are designed for registrants at all levels of experience.

Plenary Sessions Times

Sunday	5:00pm - 6:30pm
Monday, Tuesday, Wednesday	8:45am - 10:15am
Thursday	12:30pm - 2:00pm

SYMPOSIA

Open to all conference registrants.

These educational sessions are presented by experts actively involved in the field. The educational mode is lecture and rooms are arranged theater style. By attending any of the Symposia, you'll gain an overview of a subject. Question and answer sessions are generally short and saved for the end of each lecture. Symposia are designed for basic, intermediate or advanced audiences as indicated. Select specific symposia based upon your interests and level of experience.

Symposia Sessions Times

Monday, Tuesday, Wednesday	
Full Day Symposia	10:30am - 12noon and 2:30pm - 5:00pm
Morning Symposium	10:30am - 12noon
Afternoon Symposia	2:30pm - 5:00pm
Thursday	9:30am - 12noon

SHORT COURSES

Attendance is limited. Session fees are required at time of registration.

Short Courses offer intensive treatment of a particular subject. While the teaching method is traditional didactic lecture, these sessions are presented to smaller audiences of approximately 50-100 participants. Expect to take home valuable handouts from any Short Courses you attend. Short Courses are designed for basic, intermediate or advanced levels.

Short Course Sessions Times

Sunday	
Full Day Short Course	10:30am - 12noon and 1:30pm - 4:00pm
Morning Short Courses	10:30am - 12noon
Afternoon Short Courses	1:30pm - 4:00pm
Monday, Tuesday, Wednesday	
Full Day Short Course	10:30am - 12noon and 2:30pm - 5:00pm
Morning Short Courses	10:30am - 12noon
Afternoon Short Courses	2:30pm - 5:00pm

INTERACTIVE WORKSHOPS

Attendance is limited. Session fees are required at time of registration.

As you might expect from the name, Interactive Workshops promote active participant involvement in the learning process. Expect frequent exchanges of information between speakers and audience. Intensive treatment of a subject is presented in a context of dialogue and discussion. Think "audience participation," not lecture. Teaching strategies include: problems (problem-based learning); case studies; examples; group discussion; debate; learning exercises; and Q & A. Material covered or introduced during Interactive Workshops may be basic, intermediate or advanced.

Interactive Workshop Sessions Times

Sunday	
Full Day Interactive Workshop	10:30am - 12noon and 1:30pm - 4:00pm
Afternoon Interactive Workshop	1:30pm - 4:00pm
Monday, Tuesday	
Morning Interactive Workshop	10:30am - 12noon
Afternoon Interactive Workshop	2:30pm - 5:00pm
Wednesday	
Afternoon Interactive Workshop	2:30pm - 5:00pm

BROWN BAG SESSIONS

Limited to 10 participants per session. Advance registration and session fees are required at time of registration.

These small discussion groups provide an opportunity for intimate and active exchange among participants and noted experts in the field. Expect lively discussion, dialogue and debate, as well as frequent Q&As. Brown Bag sessions repeat twice daily. AACC does not provide meals for these sessions. You can purchase your own food in the Convention Center.

Brown Bag Sessions Times

Monday, Tuesday, Wednesday	7:30am - 8:30am and 12:30pm - 1:30pm

MEET THE EXPERTS NEW FOR 2006

Attendance is limited. Session fees are required at time of registration.

This is your opportunity to join a small group of interested colleagues for intense discussions with Plenary speakers and other invited experts. These sessions provide the chance for in-depth, interactive discussion. Attendance in these sessions will be strictly limited, and advance registration is highly encouraged.

Meet the Experts Sessions Times

Monday	10:30am - 11:30am and 2:00pm - 3:00pm
Tuesday, Wednesday	10:30am - 11:30am

CHAIRS INVITED SESSIONS NEW FOR 2006

Open to all conference registrants.

The Chair of the 2006 Annual Meeting Organizing Committee created these two special sessions of particular importance to annual meeting attendees. This is an opportunity to hear about lab staffing issues and educating consumers about lab testing.

Chairs Invited Sessions Times

Wednesday	10:30am - 12noon and 2:30pm - 4:00pm

POSTER SESSIONS

Posters are presented by your colleagues to showcase their latest research. Check the June Abstracts issue of *Clinical Chemistry* for a schedule of poster topics. Each year, NACB reviews all the accepted abstracts and selects those deserving special recognition for the quality and importance of the research they are reporting. These posters will be recognized in the Poster Sessions by the NACB Exceptional Poster ribbon.

Poster sessions are held during exhibit hours

Tuesday and Wednesday	9:30am - 5:00pm
Thursday	8:30am - 2:00pm

SPECIAL POSTER PRESENTATIONS

The Abstracts Review Committee and the Organizing Committee evaluate all the accepted abstracts and select exceptional ones for special presentations. You are invited to these special presentations on Tuesday and Wednesday afternoon in the McCormick Place Convention Center.

Want to know what our younger colleagues are up to? Join AACC leadership at the Student Poster Award Presentations on Monday afternoon in the McCormick Place Convention Center. Listen to tomorrow's leaders present their research.

AACC UNIVERSITY NEW FOR 2006

Registration fees apply for each session attended. General Conference registration is waived for Sunday only.

Attend Sunday Interactive Workshops or Short Courses without paying the general Annual Meeting registration fee. This is ideal if the rest of your week is filled with non-Conference activities such as the Expo or committee meetings.

AACC University Times

Sunday	10:30am – 4:00pm

2006 AACC ANNUAL MEETING ORGANIZING COMMITTEE

Chair
Daniel H. Farkas, PhD, HCLD
Chondrogene, Inc.
Toronto, Canada

Vice-Chairs
Thomas Annesley, PhD
University of Michigan
Ann Arbor, MI

Stephen Kahn, PhD
Loyola University Medical Center
Maywood, IL

Symposia Coordinators
Andrea Ferreira-Gonzalez, PhD
Medical College of Virginia
Richmond, VA

Rogerio Rabelo, MD, PhD
Fleury Diagnostics
Sao Paulo, Brazil

Brown Bag Coordinator
Joan Gordon
Maine Molecular QC, Inc
Scarborough, ME

Interactive Workshop/Short Course Coordinators
Marcy Anderson
Medical Automation Systems
Charlottesville, VA

Kenneth Bahk, PhD
Nanosphere, Inc
Northbrook, IL

Abstracts Coordinator
Kristen Skogerboe, PhD
Seattle University
Seattle, WA

Volunteer Coordinator
Deanna Klosinski, PhD
Petoskey, MI

HOW TO EARN CONTINUING EDUCATION CREDIT

AACC is accredited to sponsor continuing medical education (CME) activities for physicians by the Accreditation Council for Continuing Medical Education. AACC designates these Continuing Education activities for Category 1 credit towards the AMA Physician's Recognition Award (AMA PRA Category 1 Credit™). Physicians should only claim credit commensurate with the extent of their participation in the activity.

AACC also designates these Continuing Education activities for Category 1 ACCENT® credit towards the Clinical Chemist's Recognition Award. AACC is an approved provider for the states of California, Florida, Louisiana, Montana, Nevada, North Dakota, Rhode Island, and West Virginia.

All of the scientific sessions, except the Poster Sessions, are approved for both AMA PRA Category 1 Credit™ and ACCENT® credit unless otherwise noted.

Eligibility to Earn Continuing Education Credit

To be eligible to earn Continuing Education credit (AMA PRA Category 1 Credit™ or ACCENT®) for the scientific sessions, you must be registered for the Annual Meeting. To obtain your Verification of Participation certificate, after attending scientific sessions, you may download and print your certificate on-site or from the convenience of your home or office computer.

All attendees, including Expo-Only attendees, are eligible to earn ACCENT® credit for attending the Poster Sessions and the Lab Expo. To obtain ACCENT® credit for these activities, you will need to complete the special forms provided on-site.

If you are planning to participate in both the AACC and the ASCLS Annual Meeting scientific sessions, one ACCENT® credit equals one P.A.C.E.® contact hour. Further instructions about how to claim Continuing Education credit will be detailed in the Program Guide provided on-site at the AACC Annual Meeting.

JULY 25 – 27, CHICAGO, IL

See new science and new technology in all areas of clinical diagnostics, automation, information systems, point-of-care, OEM and biotech.

More Exhibitors and More Products

Plan NOW to attend the Clinical Lab Expo. Last year, the Expo included more than 600 organizations occupying more than 1,600 booths. Come to Chicago in July to visit even more exhibitors in more booths than ever before. You will see more products in every clinical lab discipline than at any other conference and expo:

- > Abused drugs
- > Allergy
- > Autoimmune disease
- > Automation and Robotics
- > Blood gas/Electrolytes
- > Bone markers
- > Cancer diagnostics and markers
- > Cardiac diagnostics and markers
- > Cholesterol testing
- > Clinical decision systems
- > Cytology/Histology
- > DNA/RNA testing
- > Endocrine testing
- > Flow cytometry
- > Genetic testing/Genotyping
- > Genomics, Proteomics
- > Glucose
- > Glycohemoglobin
- > Hematology
- > Hemostasis/Coagulation
- > Immunoassay
- > Infectious diseases
- > InformationSystems/ Informatics
- > Microbiology
- > Nutrition
- > OEM and research products
- > Osteoporosis
- > Patient self-testing
- > Pharmacogenomics
- > Point-of-care and POL testing
- > TDM/Toxicology
- > Thyroid testing
- > Urinalysis
- > Viral genotyping

...and much more.

More International Exhibitors

As the international attendance of the meeting grows, so does the number of international exhibitors. This gives you a chance to see what products are available to labs around the world. The Clinical Lab Expo will be the largest international marketplace for the clinical laboratory community this year.

Special Sections for Special Products

Visit the special sections for Point-of-Care Testing and Lab Automation/Robotics/Informatics exhibitors. In these concentrated areas you will find a number of exhibitors offering specialized products and services. Not all exhibitors demonstrating these products choose to be in these sections so make sure you check the Exhibit Guide and the computerized Product Locator System onsite to find all the exhibitors offering products you need. Or go to www.aacc.org/2006am/exhibitors where you can search the list by company name or by 200+ product categories.

More Products for OEM, Biotech and Research

This section of the expo has been created to make it easy for product designers and development scientists to find the products and services they need for the new products their companies are developing as well as their research efforts. Come to this area to find novel technologies and products!

More Hours and More Exhibitor Personnel

The exposition is open:

Tues, July 25	**9:30am – 5:00pm**
Wed, July 26	**9:30am – 5:00pm**
Thurs, July 27	**8:30am – 2:00pm** New Hours!

If you are a serious shopper, you need this time to check out the new workstations, new applications, and the new opportunities for your lab to expand the services you provide. Exhibitors bring their top technical staff as well as sales representatives because they know that the attendees at the Clinical Lab Expo ask the tough questions and make tough purchasing decisions.

Free Expo Only Admissions Available

The Clinical Lab Expo offers more of everything you need to make decisions about the future of your laboratory. If you want to visit the exhibits only and not participate in any of the outstanding conference programs, please visit www.aacc.org/2006am.

We'll see you in Chicago!

AACC
A/C Diagnostics LLC
AAFP-Laboratory Proficiency Testing
Abaxis
Abbott Diagnostics
Abbott Point of Care
Accumetrics, Inc
Acro Biotech, LLC.
Adaltis
ADEMTECH
Adeza Biomedical
Adhesives Research, Inc.
Advanced Instruments, Inc.
Advanced Microdevices Pvt. Ltd.
Aesku Diagnostics
Affymetrix, Inc.
Air Sea Atlanta, Inc.
Alfa Scientific Designs, Inc.
ALIFAX SPA
Aloka Co., Ltd.
ALPCO Diagnostics
Amano Enzyme USA Co., Ltd.
Amedica Biotech, Inc.
Ameditech, Inc.
American Bio Medica Corporation
American Biological Technologies, Inc.
American Board of Clinical Chemistry
American Diagnostica Inc.
American Medical Technologists
American Proficiency Institute
American Society for Clinical Pathology/Board of Registry
Ameritek USA
Amic AB
AnaSpec, Inc.
Antek HealthWare
Antibodies by Design
Aries Filterworks, Division of ResinTech, Inc.
Arista Biologicals Inc
Arlington Scientific - ASI
Artel
ARUP Laboratories
Asahi Kasei Pharma Corporation
ASCLS
Astech Corporation
Asymtek
Audit MicroControls, Inc.
AutoGenomics Inc.
AutoImmun Diagnostika GmbH/Cell Technology, Inc.
Awareness Technology, Inc.
AWEX (Wallonia Export Agency)
Axis-Shield plc
Bayer HealthCare, Diagnostics Division
Baytree Leasing
BBI Diagnostics (A SeraCare Company)
BBInternational
BD
BD Lee Laboratories
Beckman Coulter, Inc.
Berthold Detection Systems GmbH
BERTHOLD TECHNOLOGIES GmbH & Co. KG
Binding Site Inc., The
Bio Processing, Inc
BioCheck, Inc.
Bio-Chem Valve and Omnifit
Biochemed Corporation
BIODESIGN International
BioDot, Inc.
BioFX Laboratories, Inc.
Biogenesis
BIOHIT, Inc.
BioKit SA
Biological Specialty Corporation
BIOLYPH, LLC
BioMed Resource Inc.
Biomerica, Inc.
Bio-Rad Laboratories
Biosigma S.R.L.
Biosite Incorporated
BIOSPACIFIC / FORTRON
BioTek Instruments, Inc.
BIOTRON DIAGNOSTICS USA
Biozyme Laboratories
BIVDA / GAMBICA
Blackhawk BioSystems, Inc.
Block Scientific, Inc.
Blood Center of Wisconsin
BMD SA
Boval Company, L.P.
Bruker Daltonics Inc.
Burkert
Calbiotech Inc
Calzyme Laboratories, Inc.
Cambridge Consultants Ltd
CanAg Diagnostics
Capricorn Products LLC
Cardinal Health
Carolina Liquid Chemistries
CaseBauer
CellaVision
Cellestis, Inc.
Celliance
Centerchem Inc.
Centers for Medicare & Medicaid Svcs-CLIA
Cepheid
Chromsystems GmbH
Ciphergen Biosystems, Inc.
CITOTEST LABWARE MANUFACTURING CO., LTD.
Clinical & Laboratory Standards Institute
Clinical Analysis Corporation
Clinical Diagnostic Solutions, Inc.
Clinical Ligand Assay Society
CLINIQA Corporation
Cohesive Technologies Inc.
COLA
College of American Pathologists
Computype, Inc.
Conductive Technologies Inc.
Copan Diagnostics, Inc.
Corgenix, Inc.
CORTEX BIOCHEM
CTK Biotech, Inc.
Custom Pack, Inc.
Dade Behring, Inc.
Daiichi Pure Chemicals
DakoCytomation
DAS Srl
Data Innovations, Inc.
Davco Resources LLC
David G. Rhoads Associates, Inc.
Dawning Technologies, Inc.
DCM Diagnostics LLC
Denka Seiken Co., Ltd
DenLine Uniforms, Inc.
Desert Biologicals/Omega Biologicals
Diagnostic Automation /Cortez Diagnostic, Inc.
Diagnostic Chemicals Limited
Diagnostic Laminations Engineering
Diagnostic Products Corp.
Diagnostica Stago, Inc.
DIALAB G.m.b.H
Diamedix Corporation
DiaSorin
DiaSys Diagnostic Systems GmbH
DIBA Industries, Inc.
Diesse Diagnostica Senex S.p.A.
DOCRO, Inc.
Drew Scientific
DRG International, Inc.
Drucker Company, The
Drummond Scientific
Duke Scientific Corporation
DXS LIMITED
DYNEX Technologies Inc.
Ease Labs, Inc.
EastCoastBio, Inc.
Eastern Plastics, Inc.
Egemin Automation Inc
Ekips Technologies, Inc.
Elsevier
EMD Biosciences
EMD Chemicals, Inc.
Epocal Inc
Eppendorf AG
EPS Bio Technology Corp.
EQUITECH-BIO, Inc.
ERBA Diagnostics Mannheim GmbH
ESA Biosciences, Inc.
Eurotrol
EVERGREEN SCIENTIFIC
Excel Scientific, Inc.
Express Diagnostics Int'l, Inc.
Ferrotec (USA) Corporation
Filtrona Fibertec
Fisher HealthCare
Fluid Metering, Inc.
Focus Diagnostics
Foliage Software Systems
Fujirebio Diagnostics, Inc.
Furuno Electric Co., Ltd.
G&L Precision Die Cutting, Inc.
Gems Sensors Inc.
Genisphere, Inc.
Gen-Probe
Genzyme Diagnostics
Globe Scientific Inc.
GML
Golden West Biologicals, Inc.
GONOTEC GmbH
Greiner Bio-One, Inc.
Grifols USA, Inc.
Guangzhou Improve Medical Instruments Co., Ltd.
Hamamatsu Corporation
Handy Lab, Inc.
Hardy Diagnostics
Harlan Bioproducts for Science
Haydon Switch & Instrument, Inc.
Helena Laboratories
Helena Laboratories - POC
HELMER
Hema Diagnostic Systems
Hemagen Diagnostics, Inc.
Hematechnologies, Inc.
HemoCue Inc.
Hemosure Inc
HIMEDIA LABORATORIES PVT. LTD
HOLTSCH Corporation
Hoover Precision Products, LLC
HORIBAABX Diagnostics
HRA Research
Huayang Analyse Instrument Co., Ltd.
Hycor Biomedical Inc.
HyTest Ltd.
Idaho Technology Inc.
Illumina, Inc.
ILS Innovative Laborsysteme GmbH
Imagene Technology Inc.
IMMCO Diagnostics
Immucor, Inc.
Immuno - Biological Laboratories, Inc. (IBL-America)
Immuno Concepts
Immunodiagnostic Systems (IDS)
Immunology Consultants Laboratory, Inc.
IMPAC Medical Systems, Inc.
InBios International, Inc.
IND Diagnostic Inc.
Indiana Pathology Images
Industrial Test Systems
INOVA Diagnostics, Inc.
Instrumentation Laboratory
International Immunology Corporation
Inverness Medical Professional Diagnostics
Invetech
IQuum, Inc.

IRIS Diagnostics
ITC
IVD Research, Inc.
IVD Technology Magazine
IVEK Corporation
Iwaki America Inc.
Jackson ImmunoResearch Laboratories, Inc
JAJ International
Japan Association for Clinical Laboratory Automation
JAS Diagnostics, Inc.
Joint Commission
Jokoh Co., Ltd
Kamiya Biomedical Company
Kelly Scientific Resources
Kem-En-Tec Diagnostics
KIKKOMAN CORPORATION
Kinematic Automation Inc.
Kloehn Co. Ltd.
KMC Systems, Inc.
KRONUS, Inc.
LabCorp-Esoterix
LabiTec GmbH, Germany
Lampire Biological Laboratories
Lathrop Engineering, Inc.
Lattice Inc
Lee Company, The
LifeScan Inc., a Johnson & Johnson Company
LifeSign LLC
LINCO Research, Inc.
LipoScience, Inc.
LPS Industries
LRE Medical, an Esterline Company
Luminex Corporation
m.u.t GmbH
Magellan Biosciences, Inc.
Magna Bio Sciences
Magsphere Inc.
Maine Biotechnology Services
March Plasma Systems
Market Research.com
Mayo Medical Laboratories
MBL International Corp.
McKesson
MDSS - Medical Device Safety Service
Medcompare
Medica 2006/ Messe Duesseldorf North America
Medica Corporation
Medical Automation Systems
Medical Device Consultants, Inc.
Medical Laboratory Evaluation
Medical Learning, Inc.
Medical Staffing Network Inc.
MEDIPAN GmbH
Medivative Technologies LLC
Medix Biochemica
MEDTOX Laboratories, Inc.
Medtronic Inc.
Melcor Corporation
Mercodia Inc.
Meridian Bioscience, Inc.
Metro Mold & Design, Inc.
Michigan Diagnostics, LLC
MICROGENICS
Microsens Iseao
Midland BioProducts Corp
Millenia Diagnostics, Inc.
Millipore Corporation
Mindray Co., Ltd.
Moss, Inc.
MT Promedt Consulting GmbH
Multisorb Technologies, Inc.
Nalge Nunc International
Nano-Ditech Corporation
Nanogen, Inc.
Nanosphere, Inc.
National Academy
National Jewish Medical & Research Ctr.
National Registry of Certified Chemists
NCA -National Credentialing Agency for Laboratory Personnel, Inc.
Neogen Corporation
NERL Diagnostics
New England Small Tube
NICHIREI BIOSCIENCES, INC.
Nichols Institute Diagnostics
NIKON Instruments Inc.
NIST
Noble Medical, Inc.
Norgren Inc.
Nova Biomedical
NuAire Inc.
OEM Concepts Inc.
Olympus America, Inc.
OraSure Technologies, Inc.
Orchard Software Corp
Ortho-Clinical Diagnostics
Osmetech Inc.
Owen Mumford Inc.
Oyster Bay Pump Works, Inc.
Parter Medical Products, Inc.
PBM-Princeton BioMeditech Corporation
PerkinElmer Life and Analytical Sciences
Pierce
Pointe Scientific, Inc.
Polymedco, Inc.
Polymer Laboratories, A Varian, Inc. Company
POLYMICROSPHERES
Porex Technologies
Precision Systems Inc.
PRIMUS Corporation
Prodesse, Inc
Proliant Health and Biologicals
Promega Corporation
Protedyne Corporation
Puritan Medical Products Co. LLC
PVT LabSystems LLC
QAS
QIAGEN Inc.
Quad Five
Quantimetrix Corporation
Quantum Analytics
Quest Diagnostics Incorporated
Quidel Corporation
R&D Systems, Inc.
R2 Diagnostics
Radim SpA
Radiometer America Inc.
Radiometer America Inc.
RAM Scientific, Inc.
RANDOX LABORATORIES LTD
Rayto Life & Analytical Sciences Co, Ltd
RD Plastics Company
Rees Scientific Corporation
Reference Diagnostics, Inc.
Remel Inc.
Research Organics, Inc.
Response Biomedical Corp
Rheodyne, LLC
RNA Medical
RND Group, Inc., The
Roche Diagnostics
Roche Diagnostics Corporation
Rocky Mountain Diagnostics, Inc.
Rotek Industries
SA Scientific
SaatiTech
Safe-Tec Clinical Products, Inc.
Saladax Biomedical, Inc.
Salimetrics LLC
Sapphire Engineering, Inc.
Sarstedt, Inc.
Sartorius Corporation
Scantibodies Laboratory Inc.
SCC Soft Computer
SCIMEDX Corporation
SCIPAC Ltd.
Scripps Laboratories
SDI Biomed, Inc.
Sebia Electrophoresis
Selective Micro Technologies LLC
SENTINEL Diagnostics
Separation Technology, Inc. (STI)
SEPPIM - ELITECH
SeraCare Life Sciences
Seradyn, Inc.
Serotec
SFRI Diagnostics
Shamrock Scientific Specialty
Shanghai Fosun Med-Tech Development co., Ltd
Shanghai SIIC Kehua Biotech Co., Ltd.
Sifin GmbH
SimPort Plastics Ltd
SKF USA Inc.
SMC Corporation of America
Source Scientific, LLC
Specialty Laboratories
Spherotech Inc.
STANBIO LABORATORY
Standard Diagnostics, Inc.
STRATEC Biomedical Systems AG
Strategic Diagnostics/Strategic BioSolutions
Streck
Sud-Chemie Performance Packaging
SurModics, Inc.
Sutter Health
Symbol Technologies
Symprotek Corporation
Syntron Bioresearch, Inc.
Sysmex
Taigen Bioscience Corporation
Technidata America Medical Software, LLC
Teknova, Inc.
TELCOR
Tennant Packaging Corp.
Thermo Electron Corporation
Third Wave Technologies
Tm Bioscience Corporation
Tosoh Bioscience, Inc.
Toyobo Co., Ltd. c/o Shinko American Inc
Trinity Biotech
UNC Hospitals
Uniflex
United Biotech, Inc.
Upchurch Scientific
Upstate / Chemicon
US Diagnostics
US Filter, a Siemens Business
UTAK Laboratories, Inc.
ValuMax Protective Apparel Inc.
VEDALAB
Viral Antigens, Inc.
ViroStat, Inc.
Vista Technology Inc.
Vital Diagnostics
Vivaproducts, Inc.
Wako Diagnostics
Warde Medical Laboratory
Waters Corporation
Web Converting, Inc.
Wescor, Inc.
WesTgard QC, Inc.
Whatman
Wheaton Science Products
Wiener Laboratorios SAIC
Wolters Kluwer Health - Lippincott Williams & Wilkins
Worthington Biochemical Corporation
WSLH Proficiency Testing
XDX
YD Diagnostics
ZeptoMetrix Corporation
Zeta Corporation
ZheJiang Gongdong Medical Plastic Factory

SUNDAY, JULY 23
5:00pm - 6:30pm

Crossing the Quality Chasm: The Role of Laboratory Medicine
11001

Harvey Fineberg, MD, PhD,
Institute of Medicine, Washington, DC

Level: Intermediate
CE Credit: 1
Laboratory medicine must play a key role in bridging the quality chasm — the gap between the desired and actual levels of quality in the U.S. healthcare system. In this session, you'll learn about initiatives and activities laboratories are already involved in related to narrowing the quality chasm, identify key obstacles which must be overcome to bridge the gap and understand the opportunities for laboratorians to provide future aid in eliminating this area of differentiation.

MONDAY, JULY 24
8:45am - 10:15am

Computing in the Age of the Genome
12001

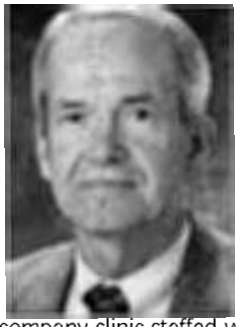
Carolyn Kovac, PhD,
IBM Life Sciences, Somers, NY

Level: Intermediate
CE Credit: 1
The convergence of life sciences, healthcare and information technology is revolutionizing the discovery of new treatments and the practice of medicine. The integration of diverse clinical and biomedical data has improved existing pharmaceutical and medical practices. Learn from Dr. Kovac how this new paradigm of information-based medicine may very well act as the catalyst that transforms healthcare into a more personalized model.

TUESDAY, JULY 25
8:45am - 10:15am

Employer Managed Healthcare: Corporations Get Back into the Healthcare Business
13001

Leonard Quadracci, MD,
Quad/Graphics, Inc, West Allis, WI



Level: Basic
CE Credit: 1
The phrase "employer-managed healthcare" once conjured up images of a company clinic staffed with a nurse and maybe a physician, or a program to minimize costs by denying services. Today's reality can be quite different from this image, especially at Wisconsin-based Quad/Graphics, Inc. Learn how this innovative company has increased employee wellness and reduced morbidity via a model of care that's fully self-insured, includes self-delivered primary and specialty care and incorporates onsite laboratory services.

For a complete description of each of the Plenary Sessions, turn to the Sessions-By-Day sections. Plenary session descriptions are at the beginning of each day's pages.

ILLUM-0076

WEDNESDAY, JULY 26
8:45am - 10:15am

The Convergence of Diagnostics and the Transformation of Medicine
14001

William Clarke, MD, MSc,
GE Healthcare, Waukesha, WI

Level: Intermediate
CE Credit: 1
Are new targeted therapies emerging from the convergence of molecular *in-vitro* diagnostics and molecular *in-vivo* imaging? Dr. Clarke, GE Healthcare's Chief Technology and Medical Officer, will share his views on the role that molecular diagnostics will play in directing clinicians towards highly specific molecular imaging diagnostics. You can benefit from his insights on the synergy between *in-vitro* molecular diagnostics tests and molecular *in-vivo* imaging in selected disease states, and gain guidance on clinical scenarios of predisposition testing for at-risk populations.

THURSDAY, JULY 27
12:30pm - 2:00pm

MITOCHONDRIA:
The Missing Link among Degenerative Diseases, Cancer and Aging, and the Next Molecular Diagnostics Frontier
15001

Douglas Wallace, PhD,
MAMMAG, Univ. of California, Irvine

Level: Basic
CE Credit: 1
Mitochondrial analysis has allowed the exploration of the relationship between human evolution and some of the most common and disabling diseases, including diabetes, Alzheimer's disease, seizure disorders and Parkinson's disease. You'll hear about mtDNA malfunctions that may have their roots in evolutionary adaptations, and gain better understanding of the relationship between mitochondrial function, mitochondrial mutations and the likelihood of specific disorders.

DON'T MISS YOUR CHANCE TO MEET THE EXPERTS

Most Plenary speakers — along with several other experts — have agreed to join a limited number of conference participants in an extended Q&A session. Attendance in these sessions will be strictly limited, and advance registration is highly encouraged.

To sign up for Meet the Expert sessions, where you'll be part of in-depth, interactive discussions with industry leaders, see the registration form beginning on page 81.

REGISTER FOR THE AACC ANNUAL MEETING TODAY

www.aacc.org/2006am

ILLUM-0077

SUNDAY'S SCHEDULE

9:00am – 10:30am
Clinical Chemistry Journal **Board of Editors Meeting**
Hyatt Regency Chicago

10:30am – 12noon
Interactive Workshops: AACC University

10:30am – 12noon
Short Courses: AACC University

1:30pm – 3:00pm
Division Awards and Networking Session
Hyatt Regency Chicago

1:30pm – 4:00pm
Interactive Workshops: AACC University

1:30pm – 4:00pm
Short Courses: AACC University

2:00pm – 4:00pm
NGSP Steering Committee Meeting
Hyatt Regency Chicago

5:00pm – 6:30pm
Opening Plenary Session

6:30pm – 7:30pm
AACC Annual Meeting Opening Mixer
Hyatt Regency McCormick Place

7:30pm – 8:30pm
Joint Reception of the TDM/Tox and the Molecular Pathology Divisions
Hyatt Regency Chicago

PLENARY SESSION
5:00pm - 6:30pm

Crossing the Quality Chasm: The Role of Laboratory Medicine 11001
Harvey Fineberg, MD, PhD, Institute of Medicine, Washington, DC

Level: Intermediate
CE Credit: 1
Session Overview: This plenary session will educate and inform attendees about initiatives and activities in the U.S. healthcare system that focus on the role of laboratory medicine in bridging the quality chasm (i.e., the gap which exists between the desired and actual levels of quality in the U.S. healthcare system). This session will also identify the key obstacles which must be overcome, and the opportunities available for those in laboratory medicine to contribute to further narrowing of the quality chasm.
Expected Outcomes: After attending this session, participants will be able to: 1) identify three key factors, publications, or initiatives that have resulted in a renewed demand for increased quality in the delivery of healthcare, particularly with regards to patient safety and medical errors; 2) list three ways in which specific applications of laboratory medicine have contributed to improving the quality of healthcare; 3) describe three key opportunities for laboratory medicine to make an even greater contribution to improving the quality of healthcare; and 4) list three obstacles that prevent laboratory medicine from making a greater contribution in improving the quality of healthcare delivery.

This session is open to conference registrants only.

2006 AACC Awards to be presented during the Opening Plenary Session

Mitchell G. Scott, PhD, DABCC, FACB
Washington University School of Medicine
Past President's Award
Sponsored by Cardinal Health, Scientific Products Distribution McGaw Park, IL

Harvey V. Fineberg, MD, PhD
Institute of Medicine
The AACC Lectureship Award
Sponsored by an educational grant from Bayer HealthCare Diagnostics Division Tarrytown, NY

ILLUM-0079

FULL DAY INTERACTIVE WORKSHOPS: AACC UNIVERSITY

10:30am - 12noon and 1:30pm - 4:00pm

Alphabet Soup - The Hepatitis Viruses 191001
Moderator/Speaker: D. Robert Dufour, MD, VA Medical Center, Washington, DC
Level: Intermediate
CE Credit: 1.5 & 2.5

Session Overview: With changing prevalence, acute viral hepatitis has become less common and chronic viral hepatitis is increasingly recognized. This interactive workshop will review serologic and virologic tests for the major hepatitis viruses and, through engaging case studies, discuss application of test results to the diagnosis and management of patients.

Expected Outcomes: After attending this session, participants will be able to: 1) determine appropriate use of follow-up serologic tests for hepatitis B and C; 2) describe advantages and limitations of differing nucleic acid tests for hepatitis B and C; and 3) describe the uses of nucleic acid and other tests for monitoring treatment of hepatitis B and C.

HOT TOPIC – PATIENT SAFETY/LAB ERRORS

MONDAY MORNING SHORT COURSE 72108
An Integrated Incident Reporting System to Reduce Medical Errors and Improve Patient Safety

MONDAY MORNING SYMPOSIUM 32105
The Opportunities and Pitfalls of Using Information Technology to Decrease Postanalytic Errors

MONDAY BROWN BAG SESSION 42105/52205
Impact of Analyte Heterogeneity in Clinical Analysis

TUESDAY AFTERNOON SHORT COURSE 73209
Laboratory Ambassadors: Agents of Change for Improved Service, Patient Safety, and Morale

TUESDAY FULL DAY SYMPOSIUM 33302
Improving the Total Testing Cycle Through Partnerships - The New IQLM

TUESDAY BROWN BAG SESSION 43102/53202
Drug Interference - The Unsolved Problem

TUESDAY AFTERNOON SHORT COURSE 73213
How to Minimize Personal and Laboratory Litigation Risk

TUESDAY BROWN BAG SESSION 43113/53213
Laboratory Interference Issues with Lipemia

WEDNESDAY BROWN BAG SESSION 44118/54218
Error Proofing and Process Improvement Techniques for Laboratory and IVD Industry Scientists

WEDNESDAY MORNING SYMPOSIUM 34106
Extending Traceability to the Laboratory, EQAS and Proficiency Systems - Advantages, Obstacles and Issues

WEDNESDAY BROWN BAG SESSION 44112/54212
Strategies to Reduce Medical Error: A Clinical Laboratory Model

Perspective and Tools: How to Interpret PGx Testing 191003
Moderator: Bonny Bukaveckas, PhD, Virginia Commonwealth Univ., Richmond
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with AACC PGx Committee and Molecular Pathology Division

Session Overview: This interactive workshop will address the challenges of pharmacogenomic (PGx) test clinical interpretation in three sessions: 1) open interactive dialogue, including small breakout groups, on how leaders in PGx from several practice settings are handling the task of test interpretation; 2) solutions and technology for test interpretation, along with a composite clinical case for discussion; and 3) moderated panel discussion among all presenters and participants.

Expected Outcomes: After attending this session, participants will be able to: 1) contrast and compare PGx test interpretation strategies from different practice settings; 2) develop a reference list of technologies, approaches and guidelines to facilitate test interpretation; 3) discuss the role that automated clinical decision support systems can play in promoting the adoption and appropriate interpretation of pharmacogenetic testing; and 4) plan and justify the resources required to interpret PGx test results.

MORNING SPEAKERS

It Takes a Village: PGx in an Academic Medical Center
Bonny Bukaveckas, PhD, Virginia Commonwealth University, Richmond

Design of a PGx Clinical Service Laboratory: From SNP Selection to Genotype Interpretation
Kristen Reynolds, PhD, PGx Laboratories, LLC, Louisville, KY

AFTERNOON SPEAKERS

Interpretation and Utility of Clinical Pharmacogenomic Data Obtained During Clinical Drug Development
Michael Murphy, PhD, Gentris Corporation, Morrisville, NC

The Electronic Medical Record and Automated Clinical Decision Support as Key Factors in the Personalization of Medicine
Mark Hoffman, Cerner Corporation, Kansas City, MO

Lessons Learned from HIV Testing Applied to PGx
David Hillyard, MD, ARUP Laboratories, Salt Lake City, UT

The Art of Evidence Based Medicine: Approaches to Question Formulation and Study Design 191004
Moderator: Robert Christenson, PhD, DABCC, FACB, Univ. of Maryland Medical Center, Baltimore
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Evidence Based Medicine Committee

Session Overview: This will be an interactive session on "how to do" Evidence Based Medicine (EBM). The first part of the session will be didactic and is designed to provide participants with background knowledge on question formulation, study design and how to use EBM tools. The second part of the workshop will consist of a small group activity; a facilitator will lead each group and focus on the art of practical question formulation for cases involving laboratory medicine where diagnostic performance, screening, monitoring, prognosis, risk stratification, intervention and outcomes are the central issues. Participants will use the structured "PICO" method to aid question formulation, and will apply appropriate models of study design to answer the clinically relevant questions developed. The pitfalls of design-related and other biases and their effects on estimates of diagnostic accuracy will be discussed, and the take home message will be a better practice of laboratory medicine through EBM.

Expected Outcomes: After attending this session, participants will be able to: 1) explain how to formulate relevant questions on important laboratory medicine topics; 2) list sources of bias in clinical studies, and how these biases can be minimized or avoided; and 3) discuss the pros and cons of various study design strategies for addressing specific clinically relevant questions.

MORNING SPEAKER

Introduction to Evidence-Based Laboratory Medicine
Robert Christenson, PhD, DABCC, FACB, Univ. of Maryland Medical Center, Baltimore

AFTERNOON SPEAKERS

The Art of Question Formulation
Christopher Price, PhD, Diagnostics Outcomes, Newbury, United Kingdom

How to Design Diagnostic Studies: a Query Oriented Approach
Andrea Horvath, MD, PhD, EurClinChem, FRCPath, Univ. of Szeged, Hungary

FULL DAY SHORT COURSES: AACC UNIVERSITY

10:30am - 12noon and 1:30pm - 4:00pm

Tumor Markers: How We Use Them in the Clinic and New Developments 191008
Moderator: Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, Canada
Level: Intermediate
CE Credit: 1.5 & 2.5
This Short Course is supported by an educational grant from Abbot Diagnostics.

Session Overview: This session will explain how tumor markers are used today, and project what kind of tumor markers will be used over the next 10-20 years. The presenters will describe the new recommendations of the National Academy of Clinical Biochemistry for using tumor markers and compare them with recommendations from other bodies. Speakers will address the issue of appropriate use of tumor markers by presenting clinical cases, and will further describe how this field is changing as the result of technological advances. New developments coming from proteomic, genomic and microarray technologies will be described in detail.

Expected Outcomes: After attending this session, participants will be able to: 1) facilitate the evidence-based use of tumor markers at the clinic, as recommended by the National Academy of Clinical Biochemistry, the American Society for Clinical Oncology and other bodies; 2) interpret tumor marker values in combination with the clinical picture and use tumor markers for evaluating cancer patients; and 3) describe which new technological advances are coming to the clinic in the area of tumor markers over the next 10 years.

MORNING SPEAKERS

Tumor Markers: How We Use Them in the Clinic and New Developments
Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, Canada

Clinical Cases Presentation on Tumor Markers
Daniel Chan, PhD, DABCC, FACB, Johns Hopkins Medical Institutions, Baltimore, MD

AFTERNOON SPEAKER

National Academy of Clinical Biochemistry Recommendations for Use of Tumor Markers in the Clinic
Martin Fleisher, PhD, Memorial-Sloan Kettering Cancer Center, New York, NY

LC/MS/MS Instrumentation Applications in Clinical Laboratory Medicine 191010
Moderator: Peter Chou, PhD, DABCC, Quest Diagnostics Nichols Institute, Chantilly, VA
Level: Intermediate
CE Credit: 1.5 & 2.5

Session Overview: This session will cover instrumentation for LC/MS/MS analyses as well as applications used in clinical laboratories. Uses of LC/MS/MS in areas such as therapeutic drug monitoring, thyroid testing, steroids, vitamins and proteomics will be addressed by experts in these fields.

Expected Outcomes: After attending this session, participants will be able to: 1) compare the various LC/MS/MS systems currently available on the market; 2) analyze costs/benefits and pros/cons of this instrumentation as compared to other more conventional methods; and 3) evaluate the potential applications of LC/MS/MS in specific areas of their laboratories, including TDM, steroids, thyroid, vitamins, proteomics and peptidomics.

MORNING SPEAKERS

LC/MS/MS Instrumentation
Fred Banks, PhD, Quest Diagnostics Nichols Institute, Chantilly, VA

Using LCMSMS for Therapeutic Drug Monitoring and Thyroid Testing
Steven Soldin, PhD, Georgetown Clinical Research Center, Washington, DC

AFTERNOON SPEAKERS

Determination of Various Steroids Using LC/MS/MS
Nigel Clarke, PhD, Quest Diagnostics Nichols Institute, San Juan Capistrano, CA

Determination of 25 Hydroxyvitamin D Using LC/MS/MS
Brett Holmquist, Quest Diagnostics Nichols Institute, San Juan Capistrano, CA

Proteomics/Peptidomics by LC/MS/MS
Glen Hortin, PhD, MD, National Institutes of Health, Bethesda, MD

Blood Gas, Calcium, Magnesium and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications 191011
Moderator/Speaker: John Toffaletti, PhD, DABCC, Duke Univ. Health System, Durham, NC
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Critical and Point-of-Care Testing Division

Session Overview: This workshop will provide clinical, pathophysiological, and practical information that will allow the participant to interpret blood gas, Ca, Mg, and lactate results, apply proper sample handling techniques, and understand the benefits, challenges, and limitations of point-of-care testing.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the factors that alter pH, PCO2, PO2; 2) interpret blood gas results to evaluate the ventilatory, metabolic, and oxygenation status; 3) Describe the metabolism of lactate and how it serves as a marker for altered cellular metabolism; 4) describe the biochemical regulation and functions of calcium and magnesium; 5) diagram the differential diagnosis of calcium and magnesium disorders; and 6) set up appropriate point-of-care systems for various critical care settings.

HOT TOPIC – EVIDENCE BASED MEDICINE

SUNDAY FULL DAY INTERACTIVE WORKSHOP 191004
The Art of Evidence Based Medicine: Approaches to Question Formulation and Study Design

MONDAY MORNING SHORT COURSE 72107
The Value of Laboratory Diagnostics in Healthcare

MONDAY MORNING SHORT COURSE 72106
Computer Models in Medicine

MONDAY FULL DAY SYMPOSIUM 32302
Improving Clinical Utilization of Laboratory Data

MONDAY FULL DAY SYMPOSIUM 32303
Health Issues After 40: Preparing the Laboratory to Meet the Demand

MONDAY MORNING SYMPOSIUM 32106
Estimating GFR: Improving Early Detection of Kidney Disease

TUESDAY MORNING SYMPOSIUM 33105
Menopause: Diagnosis, Symptoms and Clinical Management

TUESDAY FULL DAY SYMPOSIUM 33301
Pharmacogenetics Practice Guidelines I: Establishing Clinical Applications

WEDNESDAY AFTERNOON SYMPOSIUM 34208
Acute Coronary Syndromes: The Complete Story

WEDNESDAY FULL DAY SYMPOSIUM 34303
Best Practices in Molecular Pathology

Concepts and Practices in the Evaluation of Laboratory Methods 191012
Moderator: David Koch, PhD, DABCC, Grady Memorial Hospital & Emory Univ., Atlanta, GA
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Clinical and Laboratory Standards Institute (CLSI) and Management Sciences Division

Session Overview: This short course will discuss the process of selecting and evaluating clinical laboratory methods and develop an understanding of the correct approach to this key clinical laboratory task. Through the use of a series of clinical laboratory evaluation examples, attention will be placed on the critical aspects of the method evaluation process.

Expected Outcomes: After attending this session, participants will be able to: 1) evaluate the claims of manufacturers and determine whether these claims are well-grounded and pertinent; 2) evaluate validation studies published in the literature and presented at meetings; 3) perform evaluation experiments designed to verify claims, confirm literature reports, and compare achieved performance with desired performance; and 4) state justifiable decisions about the method being tested.

MORNING SPEAKERS

Concepts and Practices in the Evaluation of Laboratory Methods
David Koch, PhD, DABCC, Grady Memorial Hospital & Emory Univ., Atlanta, GA

Performance Standards
James Westgard, PhD, Univ. of Wisconsin Hospital, Madison

AFTERNOON SPEAKERS

Concepts and Practices in the Evaluation of Laboratory Methods
Carl Garber, PhD, Quest Diagnostics, Incorporated, Lyndhurst, NJ

Concepts and Practices in the Evaluation of Laboratory Methods
R. Neill Carey, PhD, Peninsula Regional Medical Center, Salisbury, MD

Principles of Molecular Diagnostics 191014
Moderator: Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee
Level: Basic
CE Credit: 1.5 & 2.5
Developed in cooperation with The Association for Molecular Pathology, AACC's Pharmacogenomics Committee and Molecular Pathology Division

Session Overview: Clinical molecular diagnostics focuses on the detection of genomes or mutations associated with disease diagnosis, therapeutic management and other patient management information. This course will provide an introduction to the basic principles of molecular diagnostic methods, detailed descriptions of several common test categories, and consideration of regulatory issues which influence molecular diagnostics.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the basic principles of molecular biology underlying molecular pathology applications; 2) recognize the distinctions between research and clinical molecular pathology applications; 3) describe how the molecular basis of genetic variation determines the selection of the diagnostic methodology; and 4) demonstrate the clinical utility of the molecular pathology results in directing patient care decisions.

MORNING SPEAKERS

Molecular Pathology Methods
Gregory Tsongalis, PhD, ABB, Dartmouth-Hitchcock Medical Center, Lebanon, NH

Infectious Disease - Viral Genome Detection
John Howe, Yale Univ. School of Medicine, New Haven, CT

AFTERNOON SPEAKERS

Cancer - BCR-ABL (CML) and Clonal Gene Rearrangements
Barbara Zehnbauer, PhD, FACMG, Washington Univ. School of Medicine, St. Louis, MO

Genetics of Cystic Fibrosis
Vicky Pratt, PhD, FACMG, Quest Diagnostics Nichols Institute, Chantilly, VA

Lab Organization, Regulation, and Reimbursement in Molecular Pathology
Andrea Ferreira-Gonzalez, PhD, Medical College of Virginia Hospital, Richmond

Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure 191016
Moderator: Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN
Level: Advanced
CE Credit: 1.5 & 2.5
This Short Course is supported by an educational grant from Abbott Diagnostics.

Session Overview: This course will address: 1) guidelines for redefinition of myocardial infarction; 2) analytical issues of cardiac troponin assays; 3) pathophysiology of cell death and biomarker release; 4) diagnostic and risk assessment of cardiac troponins in acute coronary syndrome patients and non-ischemic patients; 5) role of natriuretic peptides (including assay considerations) in diagnosis, triage, management and risk assessment of congestive heart failure patients; 6) role of high sensitivity CRP as a marker for cardiovascular disease; 7) role of future markers of ischemia; and 8) future role of proteomics in detection and risk stratification. Attendees will participate in a discussion and point-counter-point of case studies.

Expected Outcomes: After attending this session, participants will be able to understand and describe the laboratory's role for: 1) monitoring cardiac troponin for diagnosis of myocardial infarction and risk stratification in patients presenting with and without myocardial ischemia; 2) monitoring B-type natriuretic peptides for patient triage, diagnosis, management and risk assessment for congestive heart failure; 3) assessing which cardiac troponin and B-type natriuretic peptide assays should be utilized for clinical practice based on quality specifications; 4) monitoring hs-CRP use in cardiac risk assessment; 5) future role of proteomics; and 6) implementation of markers of myocardial ischemia, and implications (financial and administrative) for implementation of POC testing.

MORNING SPEAKER

Cardiac Biomarkers: Analytical Issues
Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN

AFTERNOON SPEAKERS

Cardiac Troponin: Triage, Diagnostic and Risk Assessment in ACS/Non-ACS Patients
Allan Jaffe, MD, Mayo Clinic, Rochester, MN

Natriuretic Peptides: Triage Diagnostic and Risk Assessment in Heart Failure/Non-Heart Failure Patients
Johannes Mair, MD, Univ. of Innsbruck, Austria

Emerging Biomarkers — Clinical Potential
Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN

MORNING SHORT COURSE: AACC UNIVERSITY
10:30am - 12noon

Autoverification in the Clinical Laboratory - It's More Than Meets the Eye! 191009
Moderator: Judy Johnson, BS, MT(ASCP)SH, Bon Secours HealthPartners Laboratories, Richmond, VA
Level: Basic
CE Credit: 2.5

Session Overview: This short course will show how one laboratory set a strategic goal to autoverify results on all newly acquired instrumentation, accomplished that goal and also was able to include existing instrumentation. Lessons learned were: where to begin; how to assess which methods lend themselves to autoverification; and how to address technologist resistance. Using laboratory examples and sample documents, this session will address implementation, testing, CAP verification and technologist attitude.

Expected Outcomes: After attending this session, participants will be able to: 1) create a plan for implementation of autoverification; 2) obtain the tools to work through the process; 3) utilize lessons learned for achieving acceptance from their technologists; and 4) select appropriate criteria for autoverification.

SPEAKERS

Autoverification from the Hematology View
Judy Johnson, BS, MT(ASCP)SH, Bon Secours HealthPartners Laboratories, Richmond, VA

Autoverification from the Chemistry View
Deborah Stelmach, BS, MS, MT(ASCP), Bon Secours HealthPartners Laboratories, Richmond, VA

AFTERNOON INTERACTIVE WORKSHOPS: AACC UNIVERSITY

1:30pm - 4:00pm

Hemoglobinopathies and Thalassemias: A Case Study Approach 191002

Moderator/Speaker: Shirley Welch, PhD, DABCC, FACB, Kaiser Permanente Regional Lab, Portland, OR

Level: Intermediate

CE Credit: 2.5

Session Overview: This workshop is designed to be an interactive session on the "how-tos" of interpreting hemoglobinopathy workups. After an initial discussion of hemoglobin genetics and methods for qualitative and quantitative evaluation of hemoglobin variants, case studies will be presented for group discussion and interpretation. Information used in interpretation will include CBC and other hematologic and iron studies, in addition to hemoglobin HPLC and electrophoresis. In the second half of the session, participants will apply their knowledge to more complex cases of patients with hemoglobinopathies and/or thalassemias. Participants will also be encouraged to bring their own case studies for presentation and discussion.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the most common analytical techniques for identifying hemoglobin variants and some advantages and disadvantages of each; 2) list four of the most common hemoglobin variants and their clinical consequences; and 3) interpret hemoglobin HPLC or electrophoresis along with other clinical information.

Hot Topics in Point-of-Care Testing 191005

Moderator: Paula Santrach, MD, Mayo Clinic, Rochester, MN

Level: Intermediate

CE Credit: 2.5

Developed in cooperation with Critical and Point-of-Care Testing Division

Session Overview: This session will provide information on the latest developments in POCT related to accreditation requirements, clinical utility/effectiveness, and infectious disease-related testing. Audience participation in case studies and associated exercises will help to demonstrate practical approaches to these challenging issues.

Expected Outcomes: After attending this session, participants will be able to: 1) respond effectively to JCAHO and CAP inspection checklists and questions related to POCT; 2) assess the clinical justification for POCT in a systematic manner to prove if faster is better; and 3) decide on the appropriateness of POCT for infectious disease for their facility.

SPEAKERS

Requests for POCT: Is Faster Always Better?
James Nichols, PhD, FACB, Baystate Health System, Springfield, MA

Infectious Disease POCT: Is It Right for Your Program?
Sheldon Campbell, MD, PhD, FCAP, Yale Univ. School of Medicine, West Haven, CT

Accreditation Inspection Strategies
Paula Santrach, MD, Mayo Clinic, Rochester, MN

HOT TOPIC – PERSONALIZED MEDICINE/PHARMACOGENOMICS

SATURDAY SPECIAL EVENT
Issues in Immunodiagnostics Symposium: Organ Transplantation and the Clinical Laboratory – What's on the Horizon

SUNDAY FULL DAY INTERACTIVE WORKSHOP 191003
Perspective and Tools: How to Interpret PGx Testing

MONDAY AFTERNOON SYMPOSIUM 32207
Challenges in Biomarker and Drug Co-Development and Regulation

MONDAY FULL DAY SYMPOSIUM 32302
Improving Clinical Utilization of Laboratory Data

MONDAY BROWN BAG SESSION 42108/52208
Pharmacogenomics - The Practical Challenges

MONDAY PLENARY 12001
Computing in the Age of the Genome

TUESDAY BROWN BAG SESSION 43111/53211
New Pharmacogenomic Tests: Coming to a Lab near You.

TUESDAY FULL DAY SHORT COURSE 73303
Business Opportunities for Clinical Labs in Pharmaceutical Discovery and Development

TUESDAY FULL DAY SYMPOSIUM 33301
Pharmacogenetics Practice Guidelines I: Establishing Clinical Applications

WEDNESDAY AFTERNOON SHORT COURSE 74209
Pharmacogenetics and Cancer Treatment Efficacy

WEDNESDAY BROWN BAG SESSION 44101/54201
The Application of Pharmacogenetics in Personalized Treatment: New Roles for Laboratory Medicine and Clinicians

WEDNESDAY BROWN BAG SESSION 44107/54207
Personalized Medicine: What does it Mean for the Laboratory?

WEDNESDAY PLENARY 14001
The Convergence of Diagnostics and the Transformation of Medicine

WEDNESDAY FULL DAY SYMPOSIUM 34301
Pharmacogenetics Practice Guidelines II: Clinical Utilization of Pharmacogenetics

THURSDAY SYMPOSIUM 35105
Contemporary Therapeutic Drug Management: Merging Pharmacogenomics, Biomarkers, Drug Concentrations, and Informatics to Improve Patient Care

Solving Day-To-Day Management Challenges: Case Histories & Applications 191007
Moderator/Speaker: Christopher Frings, PhD, CSP, Chris Frings & Associates, Birmingham, AL
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Management Sciences Division

Session Overview: Through the use of case studies, examples, and group discussions, practical strategies will be explored for the following management challenges: managing matures vs. boomers vs. generation Xers vs. generation Yers; managing change after lab mergers; sexual harassment; adding new lab tests; vendor bias; scheduling vacation and holiday requests; conflicts within and outside the department; getting staff cooperation; and too much work.

Expected Outcomes: After attending this session, participants will be able to: 1) compare their approaches to management challenges to those of the other participants; 2) identify alternative approaches to day-to-day management issues; and 3) implement strategies in their laboratories to be a more effective manager and leader.

AFTERNOON SHORT COURSES: AACC UNIVERSITY
1:30pm - 4:00pm

Service Excellence Is Sweeping Through Healthcare: Applying These Principles In Laboratory Management 191013
Moderator/Speaker: Cherie Petersen, ARUP Laboratories, Salt Lake City, UT
Level: Basic
CE Credit: 2.5

Session Overview: With the onset of consumerism, service excellence initiatives have been spreading throughout healthcare organizations. The primary focus has been on patient care; however 95% of laboratory employees don't directly interact with patients. This course will provide laboratory leaders with tools for integrating these concepts into the laboratory paradigm. Management techniques relating to accountability, measurement, communication, reward and recognition, and celebration will be discussed in ways that will provide guidelines for the specific application of principles that foster a culture of service excellence within the laboratory.

Expected Outcomes: After attending this session, participants will be able to: 1) validate the positive financial impact of implementing service excellence strategies by using the statistical findings presented during the course; 2) recognize ambiguities in their own currently stated expectations related to service excellence; 3) develop a more clearly focused and defined standard that can be communicated to their employees as a starting point for aligning expectations and behaviors; and 4) select the most valuable service excellence strategies for implementation within their laboratory to create a culture focused on service excellence.

ILLUM-0086

How Laboratorians Can Gain Hospital Executives' Support for Implementing Laboratory Automation Technology 191015

Moderator: Denise Uettwiller-Geiger, John T. Mather Hospital, Port Jefferson, NY

Level: Intermediate

CE Credit: 2.5

Developed in cooperation with Management Sciences Division

Session Overview: A hospital executive and laboratory administrative director will describe the comprehensive benefits that laboratory automation systems and advanced data management software produce for hospitals. Participants will learn how laboratorians can best communicate the benefits to hospital executives to gain their support for acquiring automation/data management systems.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the criteria by which executives value a capital investment; 2) enumerate the many advantages of automation in terms that speak to executives' priorities; and 3) explain metrics and other documentation that establish the value and cost-effectiveness of automation systems.

SPEAKERS

How Laboratorians Can Gain Hospital Executives' Support for Implementing Laboratory Automation Technology
Denise Uettwiller-Geiger, John T. Mather Hospital, Port Jefferson, NY

How Laboratorians Can Gain Hospital Executives' Support for Implementing Laboratory Automation Technology
Wayne Shattes, Port Jefferson, NY

HOT TOPIC – TEST UTILITY/OUTCOMES

SUNDAY FULL DAY INTERACTIVE WORKSHOP 191004
The Art of Evidence Based Medicine: Approaches to Question Formulation and Study Design

SUNDAY FULL DAY INTERACTIVE WORKSHOP 191003
Perspective and Tools: How to Interpret PGx Testing

SUNDAY PLENARY 11001
The Vital Role of the Clinical Diagnostic Laboratory in Medical Decision Making

SUNDAY AFTERNOON INTERACTIVE WORKSHOP 191002
Hemoglobinopathies and Thalassemias: A Case Study Approach

SUNDAY FULL DAY SHORT COURSE 191016
Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure

MONDAY MORNING INTERACTIVE WORKSHOP 22102
Clinical Toxicology Cases

MONDAY BROWN BAG SESSION 42101/52201
Implementing Estimated GFR in your Laboratory using the Modification of Diet Renal Disease (MDRD) Equations

MONDAY BROWN BAG SESSION 42102/52202
How Statistics Influence Our Clinical Decisions

MONDAY BROWN BAG SESSION 42104/52204
Interpretation of Glycohemoglobin Results

MONDAY MORNING SHORT COURSE 72107
The Value of Laboratory Diagnostics in Healthcare

MONDAY FULL DAY SYMPOSIUM 32302
Improving Clinical Utilization of Laboratory Data

TUESDAY AFTERNOON SYMPOSIUM 33207
New Developments in Diabetes Testing and Management

TUESDAY MORNING SYMPOSIUM 33105
Menopause: Diagnosis, Symptoms and Clinical Management

TUESDAY BROWN BAG SESSION 43113/53213
Laboratory Interference Issues with Lipemia

TUESDAY BROWN BAG SESSION 43121/53221
Prenatal Screening for Fetal Down Syndrome

TUESDAY BROWN BAG SESSION 43112/53212
Antioxidant Supplementation and Its Effect on Clinical Outcome in Critical Illness

WEDNESDAY BROWN BAG SESSION 44110/54210
Clinical Value of Very Sensitive PSA Measurements Following Prostatectomy

WEDNESDAY AFTERNOON SYMPOSIUM 34208
Acute Coronary Syndromes: The Complete Story

WEDNESDAY BROWN BAG SESSION 44121/54221
Prealbumin as a Nutritional Marker: Its Financial Impact and Positive Patient Outcome

WEDNESDAY AFTERNOON SYMPOSIUM 34208
Acute Coronary Syndromes: The Complete Story

WEDNESDAY PLENARY 13001
Employer Managed Healthcare: Corporations Get Back into the Healthcare Business

WEDNESDAY MORNING SYMPOSIUM 34104
Clinician's Perceptions of Waived Testing: Is There an Impact on Patient Safety?

WEDNESDAY AFTERNOON SHORT COURSE 74207
Clinical Utilization of Laboratory Data: Using POC Glucose Data to Support Tight Glycemic Control

THURSDAY SYMPOSIUM 35105
Contemporary Therapeutic Drug Management: Merging Pharmacogenomics, Biomarkers, Drug Concentrations, and Informatics to Improve Patient Care

MONDAY'S SCHEDULE

7:00am – 9:00am
University HealthSystem Consortium Lab Council Steering Committee Meeting
Hyatt Regency Chicago

7:30am – 8:30am
Brown Bag Sessions

8:00am – 12:00noon
NRCC Certification Exams
Hyatt Regency Chicago

8:00am – 12:00noon
ABCC Board of Directors Meeting
Hyatt Regency Chicago

8:00am – 5:00pm
University HealthSystem Consortium Lab Council Meeting
Hyatt Regency Chicago

8:30am – 10:00am
International Advisory Group
Hyatt Regency Chicago

8:45am – 10:15am
Plenary Session

10:30am – 11:30am
Meet the Experts

10:30am – 12:00noon
CLSI's Commitment to Quality: Progress on Alternative Quality Control
Hyatt Regency McCormick

10:30am – 12:00noon
Symposia

10:30am – 12:00noon
Short Courses

10:30am – 12:00noon
Interactive Workshops

12:00noon – 1:00pm
CPOCT Industry Liaison Committee Meeting
Hyatt Regency Chicago

12:00noon – 1:30pm
AACC Annual Meeting of the Membership
McCormick Place Convention Center

12:00noon – 4:00pm
LISMI Membership Meeting
Hyatt Regency Chicago

12:30pm – 1:30pm
Brown Bag Sessions

1:30pm – 3:00pm
NACB Board Meeting
Hyatt Regency Chicago

2:00pm – 3:00pm
Meet the Experts

2:00pm – 4:30pm
Student Oral Presentations and Poster Contest
McCormick Place Convention Center

2:30pm – 4:30pm
NGSP Manufacturer Forum
Hyatt Regency Chicago

2:30pm – 5:00pm
Symposia

2:30pm – 5:00pm
Short Courses

2:30pm – 5:00pm
Interactive Workshops

3:00pm – 5:30pm
NRCC Board of Directors Meeting
Hyatt Regency Chicago

3:00pm – 6:00pm
IFCC Working Group on Standardization of Thyroid Function Tests
Hyatt Regency Chicago

4:30pm – 6:30pm
California Local Sections Mixer Networks Bar & Lounge
Hyatt Regency McCormick Place

5:00pm – 5:30pm
ABCC Forum: What Are the Benefits of ABCC Certification?
Hyatt Regency Chicago

5:30pm – 6:30pm
SYCL Networking Reception
Hyatt Regency Chicago

5:30pm – 9:30pm
Annual LVD Annual Dinner Meeting and Mixer: Current Topics in Cardiovascular Disease and Stroke
Hyatt Regency Chicago

6:00pm – 7:00pm
International Reception
Hyatt Regency Chicago

6:00pm – 7:30pm
ABCC Reception
Hyatt Regency Chicago

ILLUM-0088

PLENARY SESSION
8:45am - 10:15am

Computing in the Age of the Genome 12001
Carolyn Kovac, PhD, IBM Life Sciences, Somers, NY

Level: Intermediate
CE Credit: 1
Session Overview: The convergence of life sciences, healthcare and information technology is revolutionizing the discovery of new treatments and the practice of medicine. The new paradigm of information based medicine serves to improve existing pharmaceutical and medical practices with the knowledge that is generated by integration of diverse clinical and biomedical data. Application of information based medicine will, in turn, also help to catalyze the transformation of healthcare into a new model with a greater focus on personalized care.
Expected Outcomes: After attending this session, participants will be able to: 1) explain how use of informatics accelerates the molecular understanding of disease by enabling greater collaboration of stakeholders in both clinical and pharmaceutical research activities; 2) describe how information technology can be optimally used to aid in the collection, integration, analysis and dissemination of critical molecular and clinical data; and 3) discuss the significance in delivery of clinical information in near real time — when and where it is most needed — to research investigators and physicians.

2006 AACC Awards to be presented during this Plenary Session

Helen M. Free, DSc
Bayer Healthcare
Outstanding Contributions to Clinical Chemistry
Sponsored by Bayer HealthCare Diagnostics Division
Tarrytown, NY

Herbert A. Fritsche, PhD, FACB
MD Anderson Cancer Center
The Morton K. Schwartz Award for Significant Contributions in Cancer Research Diagnostics
Sponsored by Bayer HealthCare Diagnostics Division
Tarrytown, NY

Gary L. Myers, PhD, FACB
Centers for Disease Control & Prevention
Outstanding Contributions through Service to the Profession of Clinical Chemistry
Sponsored by Beckman Coulter, Inc.
Brea, CA

Catherine A. Hammett-Stabler, PhD, DABCC, FACB
University of North Carolina, Chapel Hill
Outstanding Contributions in Education
Sponsored by Quest Diagnostics Nichols Institute
Chantilly, VA

Hugo Katus, MD
University of Heidelberg
Outstanding Contributions to Clinical Chemistry in a Selected Area of Research
Sponsored by Olympus America Inc., Diagnostic Systems Group
Center Valley, PA

Michael L. Astion, MD, PhD
University of Washington Medical Center
Outstanding Clinical Laboratory Contributions to Patient Safety
Sponsored by Ortho-Clinical Diagnostics
Raritan, NJ

Roshini S. Abraham, PhD
Mayo Clinic
Outstanding Scientific Achievements by a Young Investigator
Sponsored by Roche Diagnostics
Indianapolis, IN

Sarfraz Ahmad, PhD
Florida Hospital Cancer Institute
International Travel Fellowship
*Sponsored by **BD Diagnostics** - Preanalytical Systems*
Franklin Lakes, NJ

David J. Warren, PhD
The Norwegian Radium Hospital
The Sigi Ziering Award for Outstanding Contribution for a Publication in the Journal *Clinical Chemistry*
Sponsored by Diagnostic Products Corporation (DPC)
Los Angeles, CA

Larry J. Kricka, PhD, FACB
Hospital of the University of Pennsylvania
The Edwin F. Ullman Award
Sponsored by Dade Behring, Inc.
Deerfield, IL

BROWN BAG SESSIONS

7:30am - 8:30am and 12:30pm - 1:30pm

Brown Bag Sessions are repeated twice daily. Attendance is limited to 10 participants per session. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

Session numbers beginning with a "4" are morning sessions. Those beginning with a "5" are noon-time sessions.

CE Credit: Each Brown Bag session is eligible for one hour

Implementing Estimated GFR in Your Laboratory Using the Modification of Diet in Renal Disease (MDRD) Equations 42101 or 52201
Ronald Haas, PhD, Marshfield Clinic/St. Joseph's Hospital, Marshfield, WI
Level: Intermediate

How Statistics Influence Our Clinical Decisions 42102 or 52202
Oswald Sonntag, Ortho-Clinical Diagnostics Gmbh, Eichenau, Germany
Level: Basic

Testing for Hepatitis C Virus Infection 42103 or 52203
Mark Jandreski, PhD, DABCC, FACB, Bayer HealthCare, LLC, East Walpole, MA
Level: Intermediate

Interpretation of Glycohemoglobin Results 42104 or 52204
William Roberts, MD, PhD, Univ. of Utah, Salt Lake City
Level: Intermediate

Impact of Analyte Heterogeneity in Clinical Analysis 42105 or 52205
Pradip Datta, PhD, DABCC, Bayer Healthcare LLC-Diagnostics, Tarrytown, NY
Level: Basic
Developed in cooperation with TDM & Toxicology Division

An Introductory Overview of Technologies in Molecular Diagnostics 42106 or 52206
Shu-Ling Liang, Johns Hopkins Univ. School of Medicine, Baltimore, MD
Level: Basic
Developed in cooperation with Molecular Pathology Division

ROC Curves: How, Why and Always — 2006 42107 or 52207
David Plaut, Plano, TX
Level: Intermediate
Developed in cooperation with Management Sciences Division

Pharmacogenomics — The Practical Challenges 42108 or 52208
Hong Lee, PhD, Dartmouth Medical School, Lebanon, NH
Level: Intermediate
Developed in cooperation with Molecular Pathology Division

Serum vs. Plasma: Which Specimen Should You Use? 42109 or 52209
Jeffrey Chance, PhD, BD Diagnostics-Preanalytical Systems, Franklin Lakes, NJ
Level: Basic

The "Value Added" Surgical Pathology Report: Integrating Serum Tumor Markers with Histopathology 42110 or 52210
Robert McCord, Lake Mary, FL
Level: Basic

Communicating for Success 42111 or 52211
Helen Free, DSc, Bayer HealthCare, Diabetes Care Division, Elkhart, IN
Level: Intermediate
Developed in cooperation with Management Sciences Division

Diagnosis of Hemoglobinopathies by HPLC 42112 or 52212
Ching-Nan Ou, PhD, FACB, Texas Children's Hospital, Houston
Level: Intermediate
Developed in cooperation with Pediatric and Maternal-Fetal Division

An Introduction to Crystal "Meth" - The Lab's Perspective 42113 or 52213
Donald LeGatt, PhD, FCACB, Univ. of Alberta Hospital, Edmonton, Canada
Level: Intermediate

Tandem Mass Spectrometry Assay Development: What it Takes to Bring and Keep an Assay Successfully On-Line 42114 or 52214
Elizabeth Pattison, BS, C(ASCP), ARUP Laboratories, Salt Lake City, UT
Level: Basic

Human Erythrocyte Carbonic Anhydrase and Its Isoenzyme-1 as a Potential Marker of Prediabetic State 42115 or 52215
Kanwal Gambhir, PhD, ABCC & SC(ASCP), Howard Univ. College of Medicine, Washington, DC
Level: Intermediate
Developed in cooperation with Clinical & Diagnostic Immunology Division

ILLUM-0090

Assuring the Reliability of Manufacturers' QC Recommendations 42116 or 52216
Greg Cooper, CLS, MHA, Bio-Rad Laboratories, Irvine, CA
Level: Intermediate
Developed in cooperation with Industry Division

Laboratory Outreach Programs: Competing on Service 42117 or 52217
Cherie Petersen, ARUP Laboratories, Salt Lake City, UT
Level: Intermediate

Therapeutic Drug Management in the Pain Clinic Setting 42118 or 52218
Andrea Terrell, AIT Laboratories, Indianapolis, IN
Level: Intermediate
Developed in cooperation with TDM & Toxicology Division

Alternative Medicinals: Impact on Clinical Laboratory Medicine 42119 or 52219
Donald Cannon, PhD, FACB, Univ. of Tampa, FL
Level: Basic
Developed in cooperation with Management Sciences Division

Ensuring Quality in a Multi-Hospital Point-of-Care Program: One System's Approach 42121 or 52221
Barbara Goldsmith, PhD, St. Elizabeth's Medical Center, Boston, MA
Level: Basic
Developed in cooperation with Critical and Point-of-Care Testing Division

Pharmacogenetics in Oncology 42122 or 52222
Dennis O'Kane, PhD, DABCC, FACB, Mayo Clinic, Rochester, MN
Level: Basic

Laboratorian and Clinician Partnership in Near Patient Testing (NPT) and Point-of-Care Testing (POCT) 42123 or 52223
Frank LaDuca, PhD, Bayer Healthcare, Tarrytown, NY
Level: Intermediate
Developed in cooperation with Critical and Point-of-Care Testing Division

Development of Quantitative Real-Time PCR Tests 42124 or 52224
Fernando Alberto, MD, PhD, Fleury Diagnostics, São Paulo, Brazil
Level: Intermediate

The Design and Validation of Autoverification Rules 42127 or 52227
William Coughlin, BS, MBA, Data Innovations North America, South Burlington, VT
Level: Intermediate
Developed in cooperation with Laboratory Information Systems and Medical Informatics Divisions

MEET THE EXPERTS

10:30am - 11:30am

Attendance in these sessions is strictly limited. Advance registration is highly encouraged.

Information Based Medicine 62001
Carolyn Kovac, PhD, IBM Life Sciences, Somers, NY
Level: Intermediate
CE Credit: 1

Session Overview: The convergence of life sciences, healthcare and information technology is revolutionizing the discovery of new treatments and the practice of medicine. Dr. Kovac will present this new paradigm — information based medicine — and discuss briefly how it improves existing pharmaceutical and medical practices with the knowledge generated from the integration of diverse clinical and biomedical data. This will, in turn, help to catalyze the transformation of healthcare to a model of more personalized care. This session will provide a more in-depth and intimate discussion of the topics raised in the accompanying plenary session and is designed for enhanced audience participation.

Expected Outcomes: After attending this session, participants will be able to: 1) have a greater knowledge of how informatics is accelerating the molecular understanding of disease by enabling greater collaboration in both clinical and pharmaceutical research; 2) understand how information technology is used to aid in the collection, integration, analysis and dissemination of critical molecular and clinical data; and 3) evaluate the significance of clinical information delivery in near real time to researchers and physicians when and where it's most needed.

ILLUM-0091

Transforming the Changing Landscape of Healthcare: Current and Future Initiatives of the Institute of Medicine 62002
Harvey Fineberg, MD, PhD, Institute of Medicine, Washington, DC
Level: Intermediate
CE Credit: 1

Session Overview: Harvey V. Fineberg, MD, PhD, is the President of the Institute of Medicine (IOM), former Provost of Harvard University and Dean of the Harvard School of Public Health. He has devoted most of his academic career to the fields of health policy and medical decision-making. At the IOM, he has chaired and served on a number of panels dealing with health policy issues, ranging from AIDS to vaccine safety. As AACC's 2006 National Lectureship Award Recipient, Dr. Fineberg will give the opening plenary keynote presentation on "Crossing the Quality Chasm: The Role of Laboratory Medicine." In this session, Dr. Fineberg will provide introductory remarks on the key healthcare challenges of current focus in the IOM's initiatives including areas of opportunity for laboratory medicine. The remainder of the session will be a question and answer discussion with the audience focusing on these issues.

Expected Outcomes: After attending this session, participants will be able to: 1) describe recent initiatives of the IOM that focus on improving the quality of patient care and reducing medical errors; 2) identify two new areas of focus on the IOM's prioritized agenda; and 3) explain the opportunities for laboratory medicine to broaden its impact in improving the quality of healthcare.

FULL DAY SYMPOSIA
10:30am - 12noon and 2:30pm - 5:00pm

Novel Applications of Genomic Profiling 32301
Moderator: Gregory Tsongalis, PhD, ABB, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Molecular Pathology Division

Session Overview: This symposium will provide an overview of novel uses of genomic profiling in the growing field of molecular diagnostics. Applications for oncology, genetics, pharmacogenomics, toxicogenomics and infectious disease testing will be presented.

Expected Outcomes: After attending this session, participants will be able to: 1) describe clinical molecular profiling techniques; 2) list applications of molecular profiling for various clinical scenarios; and 3) identify situations where molecular profiling may be most useful in patient management.

MORNING SPEAKERS

Oncology: miRNA Profiling in Human Cancers
Gregory Tsongalis, PhD, ABB, Dartmouth-Hitchcock Medical Center, Lebanon, NH

Genomic Profiling in Genetic Disease Testing
William Highsmith, PhD, Mayo Clinic, Rochester, MN

AFTERNOON SPEAKERS

Pharmacogenomic Profiling in a Clinical Setting
KT Jerry Yeo, PhD, DABCC, FACB, Dartmouth-Hitchcock Medical Center, Lebanon, NH

Toxicogenomic Profiling
Brian Spear, Abbott Laboratories, North Chicago, IL

Applications of Genomic Profiling to Infectious Disease Testing
David Persing, MD, Cepheid, Sunnyvale, CA

ILLUM-0092

Improving Clinical Utilization of Laboratory Data 32302

Moderator: Stuart Smellie, MA, DM, MRCP, FRCPath, County Durham and Darlington Acute NHS Trust, Bishop Auckland, United Kingdom
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Association for Clinical Biochemistry

Session Overview: This symposium will highlight methods for improved use of laboratory testing through the application of a more robust evidence-based approach which effectively integrates knowledge acquisition, guideline authorship and a range of knowledge dissemination mechanisms. In addition, the session will explore selected technological solutions for implementing these initiatives into routine clinical practice with a special emphasis on their extension to telehealthcare.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the applications for and limitations of evidence-based laboratory medicine; 2) explain how to establish and support a knowledge management network for the clinical users in the participant's country or state; 3) list key options available to turn knowledge into changes in practice; and 4) identify the optimal technologies to use for achieving these objectives.

MORNING SPEAKERS

Better Testing — Changing the Test Requesting Culture and the Clinical Benefit
Stuart Smellie, MA, DM, MRCP, FRCPath, County Durham and Darlington Acute NHS Trust, Bishop Auckland, United Kingdom

Providing IT Decision Aids for Test Ordering in Primary Care
Sharon Smart, MBBS, MRCGP, DCH, DRCOG, Dip Ther, Sowerby Centre for Health Informatics, Newcastle, United Kingdom

AFTERNOON SPEAKERS

Using Laboratory Informatics to Improve Test Use
Patrick Twomey, BSc, MB, BAO, BCh, MRCPath, Ipswich Hospital, United Kingdom

Latest Technological Solutions at the Bedside for Safe Ordering: Building on a National IT Infrastructure in the US and the UK
Richard Jones, Univ. of Leeds, United Kingdom

Test Utilization Extended to Telehealthcare
Craig Lehmann, PhD, C(NRCC), FACB, State Univ. of New York at Stony Brook

Health Issues After 40: Preparing the Laboratory to Meet the Demand 32303

Moderator: Linda Rogers, PhD, DABCC, FACB, Laguna Hills, CA
Level: Intermediate
CE Credit: 1.5 & 2.5

Session Overview: This symposium will address the utilization of laboratory tests critical to the health and well-being of the over-40 patient population. The session will focus on gender related health issues in the male (morning speakers) and female (afternoon speakers). Topics will include the management of hormone replacement, screening for cancer and the determination of cardiovascular risk.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the management of hormone replacement therapy in men and women, by utilizing the appropriate hormone measurements; 2) describe the diagnosis and management of prostate disease using PSA and its isoforms; 3) summarize the most common cancers and tumor markers used in the management of cancer in women; 4) list the most critical assays required of the laboratory for servicing the over-40 population; and 5) justify the role of gender-specific reference ranges for relevant risk assessment tests.

MORNING SPEAKERS

Hormone Replacement, Not Just for Women Anymore
Leonard Marks, MD, Culver City, CA

Advances in the Management of Prostate Disease
George Klee, MD, PhD, Mayo Clinic, Rochester, MN

AFTERNOON SPEAKERS

The Controversy of Screening for Organ-Specific Cancer in Women
A. Michael Spiekerman, PhD, DABCC, Scott & White Memorial Hospital, Temple, TX

Keeping Women Hormonally Balanced After Age 40
Nisha Jackson, PhD, S. Oregon Health and Wellness, PC, Medford

Cardiovascular Disease: Women are Different!
Allan Jaffe, MD, Mayo Clinic, Rochester, MN

FULL DAY SHORT COURSE
10:30am - 12noon and 2:30pm - 5:00pm

Advances in Prenatal Screening for Fetal Chromosome Disorders 72304
Moderator: Andrew MacRae, PhD, FCACB, Univ. of Toronto, Canada
Level: Intermediate
CE Credit: 1.5 & 2.5

Session Overview: Prenatal screening for fetal chromosome disorders continues to grow in complexity and in the nature of disorders detected. New biochemical markers in maternal serum and urine, and ultrasound biometry can be combined to estimate a risk of targeted disorders in the first or second trimester, or across both trimesters.

Expected Outcomes: After this session, participants will be able to: 1) explain the principles of screening; 2) define at least three different modes of prenatal screening, comparing their strengths and limitations; 3) summarize recent literature that supports each screening modality; and 4) interpret examples of abnormal marker patterns.

MORNING SPEAKERS

Second Trimester Screening, Marker Choices and Laboratory Performance Validation
Andrew MacRae, PhD, FCACB, Univ. of Toronto, Canada

Introduction to Screening and Results of Recent Trials of First Trimester and Integrated Screening
Jacob Canick, PhD, Women & Infants Hospital, Providence, RI

AFTERNOON SPEAKER

Principles of Screening Including Contingency, Sequential and Repetitive Screening
Glenn Palomaki, BS, BA, Women & Infants Hospital, Providence, RI

MORNING SYMPOSIA
10:30am - 12noon

Autoimmune Disease Testing 32104
Moderator: Luis Andrade, MD, PhD, Fleury Diagnostics, São Paulo, Brazil
Level: Intermediate
CE Credit: 1.5

Session Overview: This symposium will present an overview of techniques used for autoantibody detection emphasizing how these techniques can aid in diagnosis in patients without apparent autoimmune disease. This session will also highlight a novel paradigm in autoantibody interpretation — consideration of the conjugated autoimmune response to different autoantigens — as well as offer a critical analysis of selected multiplex assays employed for autoantibody detection.

Expected Outcomes: After attending this session, participants will be able to: 1) list key factors in the use of the ANA-IIF test on HEP-2 cells; 2) recognize distinctive features of autoantibodies observed in patients without apparent autoimmune disease and their impact on test result interpretation; 3) describe the methodologies of multiplex assays which are used for autoantibody detection; and 4) explain the concept of autoantibody profiling.

SPEAKERS

Autoantibody Integrated Profiles as Potential Indicators of Clinical Phenotypes
Marvin Fritzler, MD, Univ. of Calgary, Canada

How to Interpret a Positive Autoantibody Test in an Apparently Healthy Individual
Luis Andrade, MD, PhD, Fleury Diagnostics, São Paulo, Brazil

HOT TOPIC – ANALYTICAL SYSTEMS/AUTOMATION/INSTRUMENTATION

SUNDAY FULL DAY SHORT COURSE 191012
Concepts and Practices in the Evaluation of Laboratory Methods

SUNDAY FULL DAY SHORT COURSE 191010
LC/MS/MS Instrumentation and Its Applications in Clinical Laboratory

MONDAY MORNING SHORT COURSE 72105
Automated Immunoassay: Past, Present and Future Trends

MONDAY BROWN BAG SESSION 42114/52214
Tandem Mass Spectrometry Assay Development: What it Takes to Bring and Keep an Assay Successfully On-Line

TUESDAY AFTERNOON SHORT COURSE 73210
Proteomics: Introduction to Mass Spectrometric Analysis of Proteins

TUESDAY AFTERNOON INTERACTIVE WORKSHOP 23202
High-Resolution DNA Melting Analysis

TUESDAY FULL DAY SYMPOSIUM 33303
Nanotechnology: Clinical Applications, Diagnostics and Therapeutics

WEDNESDAY BROWN BAG SESSION 44108/54208
Laboratory Automation, If I Knew Then What I Know Now

WEDNESDAY AFTERNOON SHORT COURSE 74206
The New Tools of Proteomics: Mass Spectrometry and Protein Microarrays

THURSDAY SYMPOSIUM 35101
Clinical Applications of Liquid Chromatography/Mass Spectrometry

ILLUM-0094

The Opportunities and Pitfalls of Using Information Technology to Decrease Postanalytic Errors 32105

Moderator: Michael Astion, MD, PhD, Univ. of Washington School of Medicine, Seattle

Level: Intermediate

CE Credit: 1.5

Developed in cooperation with AACC Patient Safety Taskforce

Session Overview: This symposium will focus on the use of information technology (IT) to reduce clinically significant postanalytic errors. Specifically, two aspects of IT will be addressed: 1) interfacing laboratory information systems to electronic medical records; and 2) use of automated paging systems in which the laboratory information system (LIS) or hospital information system (HIS) directly calls critical laboratory values to physicians and nurses caring for the patient. Presentations will focus on actual cases, and emphasize how to overcome the significant obstacles encountered when implementing these complex systems.

Expected Outcomes: After attending this session, participants will be able to: 1) cite two barriers to implementing a real-time interface between the laboratory information system (LIS) and electronic medical record (EMR) as well as describe how to overcome each barrier; 2) list two errors that occur in LIS-EMR interfaces and describe how these errors can harm patients; 3) describe the key features of a paging system in which the LIS or HIS automatically pages direct care providers with critical laboratory results; and 4) identify two barriers to successful implementation of an automated paging system for critical values and how to overcome them.

SPEAKERS

Triumphs and Tragedies in Interfacing Laboratory Information Systems to Electronic Medical Records
David Chou, MD, Univ. of Washington School of Medicine, Seattle

Real-time Notification of Critical Laboratory Data to Direct Care Providers
Gilad Kuperman, MD, PhD, New York Presbyterian Hospital, NY

Estimating GFR: Improving Early Detection of Kidney Disease 32106

Moderator: Elisa Gladstone, MPH, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD

Level: Intermediate

CE Credit: 1.5

Session Overview: This symposium is designed to inform laboratory professionals about important developments related to using estimated GFR for early detection of kidney disease. These developments include serum creatinine standardization, use of a revised Modification of Diet in Renal Disease (MDRD) equation, and automatic reporting of estimated Glomerular Filtration Rate (GFR).

Expected Outcomes: After attending this session, participants will be able to: 1) explain the importance of estimated GFR (eGFR) in early detection of kidney disease; 2) describe the rationale for, and progress in, the creatinine standardization program; 3) define the revised MDRD equation used to estimate GFR; and 4) cite key issues associated with instituting of routine and automatic reporting of eGFR to healthcare providers.

SPEAKERS

Estimating GFR from Serum Creatinine: Issues and Recommendations for Reporting
Greg Miller, PhD, Virginia Commonwealth Univ., Richmond

Improving GFR Estimation: The NKDEP Program to Standardize Serum Creatinine Measurement
Gary Myers, PhD, FACB, Centers for Disease Control & Prevention, Atlanta, GA

MORNING INTERACTIVE WORKSHOPS

10:30am - 12noon

Veterinary Hematology: The Diagnostic Power of Peripheral Blood and Bone Marrow Evaluation 22101

Moderator/Speaker: Kay Criswell, Pfizer Global Research & Development, Ann Arbor, MI

Level: Intermediate

CE Credit: 1.5

Developed in cooperation with Animal Clinical Chemistry Division

Session Overview: This session will be conducted as a series of interactive case studies, examples, and audience/presenter discussion. Through these case studies the audience will gain insight into the differences of hematologic cell counts, peripheral blood erythrocyte and WBC morphology, and bone marrow morphology among several species. Cases will be presented in a manner that allows audience participation in the disease diagnosis of the animal, or in evaluation of the risk associated with administration of new drugs under development.

Expected Outcomes: After attending this session, participants will be able to: 1) distinguish differences between cell counts and peripheral blood morphology in mice, rats, rabbits, dogs cats, monkeys and some exotic species; 2) distinguish differences in bone marrow composition in mice, rats, dogs, and monkeys; 3) define hematologic criteria essential in the diagnosis of nutritional deficiencies, intravascular and extravascular hemolytic processes, blood loss and platelet abnormalities; and 4) display familiarity with typical sources of artifact and species-specific phenomenon that interfere with hematologic testing in animals.

Clinical Toxicology Cases 22102

Moderator: Ian Watson, PhD, FRCPath, Univ. Hospital Aintree, Liverpool, United Kingdom

Level: Intermediate

CE Credit: 1.5

Developed in cooperation with Association of Clinical Biochemists

Session Overview: In this workshop the investigation and treatment of a variety of different poisonings will be explored interactively with the audience. Cases with a series of options at different stages of the case scenario will let the audience consider appropriate differential diagnoses, investigations and interventions. The presenter will dynamically interact with the audience to highlight useful clinical and laboratory information. Speakers will make use of their respective national guidelines on the role of the laboratory in clinical toxicology.

Expected Outcomes: After attending this session, participants will be able to: 1) develop differential diagnoses for different poisonings; 2) select the most appropriate laboratory and toxicology investigations; 3) describe the most appropriate treatment options for different poisonings; and 4) identify and access authoritative guidance on these issues.

SPEAKERS

Acute Clinical Toxicology Case Presentations
Ian Watson, PhD, FRCPath, Univ. Hospital Aintree, Liverpool, United Kingdom

Chronic Clinical Toxicology Poisoning Cases
Tai Kwong, PhD, Univ. of Rochester Medical Center, NY

HOT TOPIC – CARDIAC MARKERS, CARDIOVASCULAR DISEASE

SUNDAY FULL DAY SHORT COURSE 191016
Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure

MONDAY SPECIAL EVENT
Current Topics in Cardiovascular Disease and Stroke AACC LVD Division Annual Dinner Meeting and Mixer

MONDAY FULL DAY SYMPOSIUM 32303
Health Issues after 40: Preparing the Laboratory to Meet the Demand

MONDAY AFTERNOON SHORT COURSE 72212
Coronary Heart Disease Risk Factors: What and How to Measure

TUESDAY BROWN BAG SESSION 43107/53207
D-dimer Assays and Rapid Emergency Department Triage of Patients Suspected of Thrombotic Disease

TUESDAY BROWN BAG SESSION 43106/53206
Coagulation Proteins as Biomarkers in Cardiovascular Diseases

TUESDAY BROWN BAG SESSION 43103/53203
Evaluation of High Sensitivity C-Reactive Protein Methods

TUESDAY BROWN BAG SESSION 43116/53216
Lipoprotein Subfractions and their Significance in Healthcare

WEDNESDAY BROWN BAG SESSION 44106/54206
Core Profile Testing During Cardiac Crises

WEDNESDAY BROWN BAG SESSION 44105/54205
Standardization of High-Sensitivity C-Reactive Protein Assays

WEDNESDAY AFTERNOON SYMPOSIUM 34208
Acute Coronary Syndromes: The Complete Story

WEDNESDAY BROWN BAG SESSION 44115/54215
C-Reactive Protein: A New Inflammatory Risk Factor for Cardiovascular Disease and Diabetes.

WEDNESDAY BROWN BAG SESSION 44111/54211
Lipid and Cardiac Profiling In Laboratory Animals

WEDNESDAY BROWN BAG SESSION 44114/54214
Challenges in Drug Development - Assessment of In Vitro Hemolysis: Study Design and Interpretation

MORNING SHORT COURSES
10:30am - 12noon

Automated Immunoassay: Past, Present and Future Trends 72105
Moderator/Speaker: Kenneth Blick, PhD, DABCC, ACS, FACB, Univ. of Oklahoma Health Sciences Center, Oklahoma City
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with Clinical & Diagnostic Immunology Division

Session Overview: This program will review immunoassay techniques and steps required to automate immunoassays. Also covered during this session: required features of automated immunoassays; a review of current instruments and how well they address these requirements; integration of automated immunoassay instruments with total laboratory automation systems; automation approaches for stand alone systems; heterogeneous modules on chemistry analyzers; total automation with track system connections; and recent advances in point-of-care immunoassay testing and automation.

Expected Outcomes: After attending this session, participants will be able to: 1) list desirable and essential features of automated immunoassay instruments and methods; 2) evaluate automated immunoassay instruments and how well they achieve partial or total automation; 3) list three essential steps required to automate a method; and 4) describe how some approaches may be superior to others.

Computer Models in Medicine 72106
Moderator/Speaker: Martin Kroll, MD, Univ. of Texas Southwestern School of Medicine, Dallas
Level: Advanced
CE Credit: 1.5

Session Overview: This session will discuss ways in which computer models may be incorporated into test evaluation of outcome studies and test interpretation. Examples will be provided where the model chosen for the physiologic system alters interpretation of data, especially laboratory data such as PSA, glucose, and BNP.

Expected Outcomes: After attending this session, participants will be able to: 1) list the different types of models; 2) explain the compartmental model for analyte concentration; 3) show how kinetics imply cell growth; and 4) demonstrate the results for different sources of biological variation.

The Value of Laboratory Diagnostics in Healthcare 72107
Moderator: Roberta Madej, Roche Molecular Systems, Pleasanton, CA
Level: Intermediate
CE Credit: 1.5

Session Overview: The presentation will include: Integrating laboratory tests in clinical practice guidelines, using them as metrics for medical practice performance and establishing their value in different segments of healthcare. We will also discuss efforts to increase awareness of the value of laboratory medicine by professional organizations examining reimbursement, industry-supported reports, and government policy committees.

Expected Outcomes: After attending this session, participants will be able to: 1) discuss the integral role of laboratory testing in clinical practice guidelines, clinical studies and medical decision-making; 2) explain how the focus in "personalized" medicine and pharmacogenomics will increase reliance on new technologies and tests; and 3) analyze ways to determine and present the economic value of laboratory testing to medical and political communities.

SPEAKERS

Value of Diagnostic Medicine: The Lewin Report
Eric Faulkner, MPH, The Lewin Group, Falls Church, VA

ASCLS, CLMA and Other Professional Organizations Activities Regarding Revisions to the Lab Fee Schedule
Elissa Passiment, EdM, CLS (NCA), ASCLS, Bethesda, MD

Activities of the SACGHS
Emily Winn-Deen, PhD, Cepheid, Sunnyvale, CA

An Integrated Incident Reporting System to Reduce Medical Errors and Improve Patient Safety 72108
Moderator/Speaker: Leroy Mell, Jr., PhD, MBA, HCLD(ABB), Anne Arundel Medical Center, Annapolis, MD
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with Management Sciences Division

Session Overview: A laboratory integrated, automated system for reporting, documenting, analyzing, trending and managing incidents related to patient safety will be presented. The automated Incident Reporting System (IRS) provides a real-time mechanism to integrate incident reports, patient records, responses and follow-up, incident report tracking, and data collection and analyses. Utilization of this procedure has significantly reduced laboratory-related errors.

Expected Outcomes: After attending this session, participants will be able to: 1) develop a no-blame culture that identifies opportunities for learning and change across the organization; 2) use trending and analysis of adverse incidents to enable change and reduce medical errors; and 3) identify areas for investigation to improve patient safety through analysis of incident trend data, e.g. labeling errors, blood culture contamination rate.

ILLUM-0097

MEET THE EXPERTS
2:00pm - 3:00pm
Attendance in this session is strictly limited. Advance registration is highly encouraged.

The Battle Against MRSA - We Can Win the War! 62003
Lance Peterson, MD, Evanston Northwestern Healthcare, Evanston, IL
Level: Intermediate
CE Credit: 1

Session Overview: This interactive session will address hospital-based screening of newly admitted patients for methicillin resistant Staphylococcus aureus (MRSA) colonization or infection to reduce hospital acquired MRSA acquisition and disease. The session will begin with an overview from Dr. Peterson on the benefits and challenges of this practice. The remainder of the session will be a question and answer discussion with the audience focusing on significant clinical issues with this practice, the roles of conventional and molecular MRSA testing, as well as the financial and operational factors to be considered.

Expected Outcomes: After attending this session, participants will be able to: 1) understand the need for better management of MRSA exposure risk; 2) learn how to develop the data to determine that a local MRSA problem exists; and 3) discuss how to develop a MRSA surveillance program.

AFTERNOON SYMPOSIA
2:30pm - 5:00pm

Challenges in Biomarker and Drug Co-Development and Regulation 32207
Moderator/Speaker: Carolyn Jones, AdvaMed, Washington, DC
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Industry Division

Session Overview: The advantages of *in-vitro* diagnostic devices designed to enhance the efficacy of drugs and other therapeutic agents are now well-established. To fully realize the potential benefits for patients and physicians, the processes of biomarker and drug co-development, particularly including regulatory approval, will require stakeholder cooperation as well as clarification of key areas of concern. Pharmaceutical companies are learning to redefine patient populations based on the genetic or molecular characteristics of the disease to simplify clinical trial cohorts and raise the efficacy rate of the drug by including only a pre-defined population in the clinical trial. The significant issues in biomarker and drug co-development and their regulation as well as possible solutions to the challenges encountered will be explored in this symposium.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the current thinking and newest FDA guidances for coordinated approvals of drugs/therapeutic agents and the *in-vitro* diagnostic devices that are intended to enhance the safe and effective use of the drug or therapeutic agent; and 2) explain the challenges faced by industry for product co-development when both the drug and device are expected to be offered by the same company as well as the additional challenges encountered when drug and device are developed by independent manufacturers.

SPEAKERS

The Regulatory View for Devices
Steven Gutman, MD, MBA, Food & Drug Administration-CDRH, Rockville, MD

The Regulatory View for Drugs
Lawrence Lesko, PhD, Food And Drug Administration, Rockville, MD

The Manufacturer's View for Development and Availability of Devices & Drugs
M.J. Finley Austin, PhD, Roche, Washington, DC

Recent Advances in Clinical Proteomics 32208
Moderator: Daniel Chan, PhD, DABCC, FACB, Johns Hopkins Medical Institutions, Baltimore, MD
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Proteomics Division

Session Overview: The growth of clinical proteomics has created new opportunities for clinical laboratory scientists to transform health care delivery through the use of personalized diagnostics and therapeutics. This symposium will provide an understanding of clinical proteomics, the application of proteomic technologies in biomarker discovery, validation strategies for these technologies, and the potential for their use in targeted diagnostics and therapeutics.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the concepts of clinical proteomics; 2) evaluate the latest proteomic technologies; and 3) describe clinical applications for proteomics.

SPEAKERS

Clinical Proteomics: Opportunities for Diagnostics
Daniel Chan, PhD, DABCC, FACB, Johns Hopkins Medical Institutions, Baltimore, MD

Cancer Proteomics: Biomarker Identification and Signal Pathway Profiling.
Lance Liotta, MD, PhD, George Mason Univ., Manassas, VA

The Importance of Proteomic Biomarkers for the Pharmaceutical Industry
Scott Patterson, PhD, Amgen, Thousand Oaks, CA

HOT TOPIC – POCT

SUNDAY AFTERNOON INTERACTIVE WORKSHOP 191005
Hot Topics in Point-of-Care Testing

SUNDAY FULL DAY SHORT COURSE 191011
Blood Gas, Calcium, Magnesium, and Lactate Testing: Interpretation, Sample Handling, and Point-of-Care Applications

MONDAY AFTERNOON SYMPOSIUM 32209
Risk Management - A Practical Approach to a Quality POCT Program

TUESDAY BROWN BAG SESSION 43115/53215
POCT: The Right Test...Right Now!

TUESDAY AFTERNOON SYMPOSIUM 33206
Best Practices for the Operation and Management of Point-of-Care Testing

TUESDAY BROWN BAG SESSION 43119/53219
Using Point-of-Care Testing to Guide Transfusion Therapy

WEDNESDAY BROWN BAG SESSION 44116/54216
Effective Implementation of POCT in the Healthcare Setting

WEDNESDAY AFTERNOON SHORT COURSE 74207
Clinical Utilization of Laboratory Data: Using POC Glucose Data to Support Tight Glycemic Control

THURSDAY SPECIAL EVENT
Point-of-Care Coagulation Testing
Annual POC Coordinator's Forum

Risk Management — A Practical Approach to a Quality POCT Program 32209
Moderator: Frank LaDuca, PhD, Bayer Healthcare, Tarrytown, NY
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Critical and Point-of-Care Testing Division

Session Overview: This symposium is designed to offer practical tools that can be used to develop an effective Quality Policy for POCT using a risk management based approach. Risk management theory and concepts, practical tools for implementation and the application of these to ensuring quality in POCT will be addressed.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the concept of applying Risk Management criteria for use in the development of a quality POCT program; 2) develop an awareness of the tools available for application of Risk Management to POCT; and 3) explain how to implement a risk management-based Quality System for POCT in a clinical institution.

SPEAKERS

What is Risk Management?
David Gronostajski, ITC, Edison, NJ

Clinical Application of Risk Management — Laboratory and End User Perspective
Valerie Ng, Alameda County Medical Center, Oakland, CA

Practical Application of Risk Management - Manufacturer and Laboratory Roles
Marcia Zucker, PhD, ITC, Edison, NJ

AFTERNOON INTERACTIVE WORKSHOP
2:30pm - 5:00pm

Having Problems Communicating With Your Staff? Find Out Why And How To Fix It! 22203
Moderator/Speaker: Cherie Petersen, ARUP Laboratories, Salt Lake City, UT
Level: Basic
CE Credit: 2.5

Session Overview: Effective communication skills are key to positive working relationships. This interactive session will provide participants with an easy method for determining preferred behavioral and interaction styles. Participants will assess their own behavioral style, practice assessing others' styles, and learn how to adapt to the individual communication needs of others.

Expected Outcomes: After attending this session, participants will be able to: 1) more comfortably enter into critical conversations by using the preferred behavioral style of those with whom they are communicating; 2) assess their own preferences for communication and learn how to identify and adapt to the communication styles and preferences of others; and 3) deliver verbal information to their employees in a more satisfying, effective and productive manner.

AFTERNOON SHORT COURSES
2:30pm - 5:00pm

Clinical Laboratory Informatics and the Electronic Health Record 72209
Moderator: William Coughlin, BS, MBA, Data Innovations North America, South Burlington, VT
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Laboratory Information Systems & Medical Informatics and TDM & Toxicology Divisions

Session Overview: This session will explore the process of integrating the laboratory information system with the Electronic Healthcare Record (EHR). It will describe the EHR, system architecture, standardized nomenclature, and use pharmacotherapy and laboratory data to demonstrate how the EHR is utilized. It will offer a framework to assist the laboratory in developing a strategic vision of its function within the healthcare enterprise and address how to participate in strategic planning.

Expected Outcomes: After attending this session, participants will be able to: 1) contribute to the development of an informatics strategic plan for their healthcare enterprise; 2) apply informatics solutions for the clinical laboratory; 3) guide multidisciplinary care teams providing patient-centered care using the EHR; 4) optimize the enterprise information architectures to integrate clinical laboratory components with Electronic Health Record components; and 5) utilize informatics solutions to improve management of the health care enterprise.

SPEAKERS

The National Health Information Infrastructure
David Bates, MD, Partners Healthcare, Boston, MA

Using Standards to Develop the Electronic Health Record
Peter Elkin, MD, Mayo Clinic, Rochester, MN

Application of the Health Information Architecture in Clinical Laboratories
Mark Diehl, DDS, MA, MPH, Computer Sciences Corporation, Frederick, MD

ILLUM-0100

How to Eliminate False Positive and False Negative Results in Clinical Chemistry Laboratories 72210
Moderator: Amitava Dasgupta, PhD, DABCC, NRCC, Univ. of Texas at Houston Medical School
Level: Basic
CE Credit: 2.5
Developed in cooperation with TDM & Toxicology Division

Session Overview: This session will explore various causes of false positive and negative results ("assay discordance") and how to detect such results and resolve them ("find the truth"). Discussions will also include how assays may be designed to minimize such occurrences. During the first part of the session, the effects of preanalytical variables, interference, analyte heterogeneity, heterophilic antibodies, hook effect, and related factors will be presented. The second part of the session will focus on therapeutic drug monitoring and clinical toxicology. This course will be interactive and utilize case studies. Participants are strongly encouraged to bring related cases and problems from their own laboratory; these will be discussed during the course.

Expected Outcomes: After attending this session, participants will be able to: 1) detect false positive and negative ("discordant") results; 2) identify sources of discordant results in clinical laboratory results: preanalytic variables, interferences, analyte heterogeneity, matrix effect, heterophilic antibodies, and hook effect; 3) define the impact of serum collection tubes in TDM; 4) identify cross-reactivity to drug metabolites, endogenous factors, and herbal medicines and supplements as source of discordant results; and 5) identify the effects of urine adulterants on drugs-of-abuse results (includes demonstration).

SPEAKERS

How to Eliminate False Positive and False Negative Results in the Toxicology Laboratory
Amitava Dasgupta, PhD, DABCC, NRCC, Univ. of Texas at Houston Medical School

How to Eliminate False Positive and False Negative Results in General and Special Chemistry
Pradip Datta, PhD, DABCC, Bayer Healthcare LLC-Diagnostics, Tarrytown, NY

Successful Community Laboratory Outreach 72211
Moderator/Speaker: Rodney Forsman, Mayo Clinic, Rochester, MN
Level: Intermediate
CE Credit: 2.5

Session Overview: Community laboratory outreach contributes to enhanced patient care, physician satisfaction and cost effectiveness. In this program the benefits of laboratory outreach together with specific recommendations for developing various areas of service delivery will be explored through case studies and interactive discussion.

Expected Outcomes: After attending this session, participants will be able to: 1) articulate the benefits of a community laboratory outreach program; 2) identify opportunities to successfully compete in the marketplace; and 3) address barriers to service delivery issues that typically arise.

SPEAKER

Successful Community Laboratory Outreach
Linda Spiten, Mayo Clinic, Rochester, MN

ILLUM-0101

Coronary Heart Artery Risk Factors: What and How to Measure 72212

Moderator: Gary Myers, PhD, FACB, Centers for Disease Control & Prevention, Atlanta, GA

Level: Intermediate

CE Credit: 2.5

Developed in cooperation with Centers for Disease Control and Prevention, Lipoproteins and Vascular Diseases Division

Session Overview: This session will present an evaluation of new tests for HDL and LDL — the traditional risk markers of CAD — and will also provide an overview of emerging risk markers including inflammation markers, LDL subclasses, Lp(a), and apolipoproteins. Attendees will be provided with information on clinical utility, how to measure these markers, what factors affect measurement, and recommendations for minimizing their impact.

Expected Outcomes: After this session, participants will be able to: 1) list the various parameters considered as risk factors for coronary disease; 2) describe the advantages and disadvantages of the various analytical methods for testing; 3) list influences that may affect test results; and 4) implement recommended techniques and procedures for assuring quality measurements.

SPEAKERS

New Tests for Traditional Markers of Coronary Heart Disease
Greg Miller, PhD, Virginia Commonwealth Univ., Richmond, VA

Lipoprotein Subclasses and Apolipoproteins — How Important Are They?
Judith McNamara, MT, Jean Mayer USDA Human Nutrition Research on Aging of Tufts Univ., Milton, MA

C-Reactive Protein and Other Markers of Inflammation
Gary Myers, PhD, FACB, Centers for Disease Control & Prevention, Atlanta, GA

Nephrotoxicity: Evaluation of Renal Effects in Multiple Species 72213

Moderator: Kay Criswell, Pfizer Global Research & Development, Ann Arbor, MI

Level: Intermediate

CE Credit: 2.5

Developed in cooperation with Animal Clinical Chemistry Division

Session Overview: This session will discuss anatomy and physiology of the kidney and highlight multispecies differences in such areas as urine formation, electrolyte and water homeostasis, and renal diseases. Participants will also learn about the pitfalls of using routine clinical pathology biomarkers in the diagnosis of nephrotoxicity in animals, as well as advances in gene- and protein-based biomarkers as early predictors of nephrotoxicity.

Expected Outcomes: After attending this session, participants will be able to: 1) describe key components of renal anatomy and physiology; 2) explain key differences in the physiology and anatomy in domestic and laboratory animals; 3) summarize major renal disease processes; 4) define advantages and limitations of using routine clinical pathology parameters to assess nephrotoxicity in animals; and 5) describe alternative renal markers that may play a role in the early detection of subtle nephrotoxicity in animal models.

SPEAKERS

Nephrotoxicity in Multispecies: Anatomic and Physiologic Features of Mechanistic Relevance
Susan Emeigh-Hart, VMD, PhD, DACVP, DABT, Genaera Corporation, Plymouth Meeting, PA

Assessment of Routine and Esoteric Clinical Pathology Biomarkers to Evaluate Nephrotoxicity in Animals
Denise Bounous, DVM, PhD, Bristol-Myers Squibb Co., Princeton, NJ

Biomarkers of Nephrotoxicity: From Gene Expression to Traceable Proteins to Application
Rabih Slim, PhD, Pfizer Global Research & Development, Ann Arbor, MI

ILLUM-0102

Exhibit 311B

HOT TOPIC – REGULATION/QA/QC/STANDARDS

SATURDAY SPECIAL EVENT
MSD Leadership Seminar: The Truth About Quality Today

SUNDAY FULL DAY SHORT COURSE 191012
Concepts and Practices in the Evaluation of Laboratory Methods

MONDAY BROWN BAG SESSION 42119/52219
Alternative Medicinals: Impact on Clinical Laboratory Medicine

MONDAY MORNING SHORT COURSE 72108
An Integrated Incident Reporting System to Reduce Medical Errors and Improve Patient Safety

MONDAY BROWN BAG SESSION 42116/52216
Assuring the Reliability of Manufacturer's QC Recommendations

MONDAY BROWN BAG SESSION 42107/52207
ROC Curves: How, Why and Always - 2006

MONDAY AFTERNOON SYMPOSIUM 32209
Risk Management - A Practical Approach to a Quality POCT Program

MONDAY AFTERNOON SHORT COURSE 72210
How to Eliminate False Positive and False Negative Results in Clinical Chemistry Laboratory

TUESDAY FULL DAY SYMPOSIUM 33302
Improving the Total Testing Cycle Through Partnerships - The New IQLM

TUESDAY MORNING SHORT COURSE 73106
Clinical Laboratory Method Evaluation: How Do CLSI Guidelines Compare With Contemporary Practice?

TUESDAY BROWN BAG SESSION 43109/53209
The Impact of the NGSP on Glycated Hemoglobin (HbA1c) Measurement

TUESDAY BROWN BAG SESSION 43108/53208
Homebrews and Alphabet Soup: An Introduction to Molecular Diagnostics Regulatory Issues

TUESDAY BROWN BAG SESSION 43104/53204
Assay Standardization, From Science, Manufacturing and Regulatory Viewpoints

WEDNESDAY MORNING SHORT COURSE 74104
College of American Pathologists' Laboratory Accreditation Program in 2006

WEDNESDAY FULL DAY SYMPOSIUM 34303
Best Practices in Molecular Pathology

WEDNESDAY MORNING SHORT COURSE 74105
Statistical and Graphical Tools for the Laboratory

WEDNESDAY MORNING SYMPOSIUM 34106
Extending Traceability to the Laboratory, EQAS and Proficiency Systems - Advantages, Obstacles and Issues

WEDNESDAY AFTERNOON SYMPOSIUM 34207
Healthcare Forum: Legislative, Regulatory and Workforce Issues

WEDNESDAY BROWN BAG SESSION 44113/54213
Autoverification of Clinical Chemistry Results

WEDNESDAY AFTERNOON INTERACTIVE WORKSHOP 24201
Training and Competency Testing of Clinical Laboratory Personnel

WEDNESDAY BROWN BAG SESSION 44117/54217
ISO 15189, ISO 9001 and ISO 14001 Standards and Their Applicability in Accreditation and Certification Programs for Clinical Laboratories

WEDNESDAY BROWN BAG SESSION 44104/54204
Opening Pandora's Box: Assessing Linearity

WEDNESDAY BROWN BAG SESSION 44102/54202
Resources for Standardization and Quality in Molecular Diagnostics

WEDNESDAY MORNING SYMPOSIUM 34104
Clinician's Perceptions of Waived Testing: Is There an Impact on Patient Safety?

THURSDAY SYMPOSIUM 35104
A New Level of Quality Management in Clinical Laboratories Through ISO Standards, Lean Principles and Design for Six Sigma.

THURSDAY SYMPOSIUM 35103
Making Sense of the Alphabet Soup of Laboratory Regulations

TUESDAY'S SCHEDULE

7:00am – 9:00am
Local Section Chairs and Chairs Elect Breakfast
Hyatt Regency Chicago

7:30am – 8:30am
Brown Bag Sessions

7:30am – 9:30am
AICCNA Breakfast Meeting
Hyatt Regency Chicago

8:45am – 10:15am
Plenary Session

8:00am – 12noon
OEM Lecture Series
McCormick Place Convention Center

9:30am – 5:00pm
Expo Open

10:00am – 11:30am
DACC Executive Meeting
Hyatt Regency Chicago

10:30am – 11:30am
Meet the Experts

10:30am – 12noon
Symposia

10:30am – 12noon
Short Courses

10:30am – 12noon
Interactive Workshops

11:30am – 2:30pm
CLSI Area Committte on Clinincal Chemistry and Toxicology
Hyatt Regency McCormick

12:00noon – 2:00pm
DACC General Meeting
Hyatt Regency Chicago

12:00noon – 3:00pm
IFCC Corporate Members Meeting
Hyatt Regency Chicago

12:00noon – 4:30pm
History Division Executive Committee Meeting
Hyatt Regency Chicago

12:30pm – 1:30pm
Brown Bag Sessions

12:30pm – 2:00pm
Proteomics Division Luncheon
Hyatt Regency Chicago

12:30pm – 2:00pm
Midwest Section Business Meeting and Luncheon
Hyatt Regency Chicago

1:00pm – 2:00pm
Pediatric and Maternal-Fetal Division Reference Range Initiative Meeting
Hyatt Regency Chicago

2:30pm – 5:00pm
Symposia

2:30pm – 5:00pm
Short Courses

2:30pm – 5:00pm
Interactive Workshops

5:00pm – 6:00pm
CPOCT Annual General Meeting
Hyatt Regency Chicago

5:00pm – 6:00pm
Molecular Pathology Division General Membership Meeting
Hyatt Regency Chicago

5:00pm – 7:00pm
Washington University Clinical Chemistry Alumni Reception
Hyatt Regency Chicago

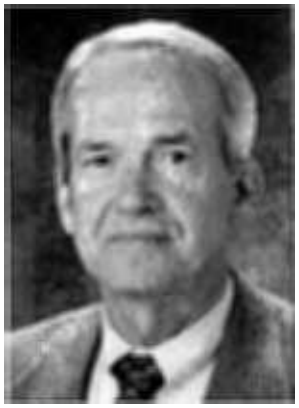
6:00pm – 8:00pm
CPOCT Division Mixer
Hyatt Regency Chicago

ILLUM-0104

PLENARY SESSION
8:45am - 10:15am

Employer Managed Healthcare: Corporations Get Back into the Healthcare Business 13001

Leonard Quadracci, MD, Quad/Graphics, Inc, West Allis, WI



Level: Basic

CE Credit: 1

Session Overview: "Employer Managed Healthcare" used to mean a company clinic with the presence of a nurse and, sometimes, a physician. But the prevailing form of healthcare delivery can change almost as quickly as its mechanisms for reimbursement. This session will spotlight a new model for employer managed healthcare that is fully self-insured, consists of self-delivered primary and specialty care, and achieves desirable health outcomes for one corporation's employees. Two key outcomes to be discussed are those of increased wellness and reduced morbidity in employees. Of particular interest to the AACC audience is the incorporation of onsite laboratory services into the payor/provider's delivery of care.

Expected Outcomes: After attending this session, participants will be able to: 1) Discuss the emerging role of Employer Managed Healthcare; 2) identify the role that laboratory medicine plays in this form of managed healthcare delivery; 3) compare and contrast the key aspects in use of selected models of care delivery in the U.S.; 4) describe the relationship between health, productivity and employer/employee satisfaction; and 5) explain the significance that focusing on quality measures plays in effectively directing the provision of optimal healthcare.

2006 NACB Awards to be presented during this Plenary Session

Y. M. Dennis Lo, MD
Distinguished Scientist Award
Outstanding Research Advances in Clinical Biochemistry
Sponsored by Dade Behring Inc.

John E. Sherwin, PhD, DABCC, FACB
Professor Alvin Dubin Award
Distinguished Contributions to the Profession and the Academy
Sponsored by Abbott Diagnostics

Linnea M. Baudhuin, PhD
George Grannis Award
Excellence in Research and Scientific Publication
Sponsored by NACB and the Ohio Valley Local Section

BROWN BAG SESSIONS

7:30am - 8:30am and 12:30pm - 1:30pm

Brown Bag Sessions are repeated twice daily. Attendance is limited to 10 participants per session. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

Session numbers beginning with a "4" are morning sessions. Those beginning with a "5" are noon-time sessions.

CE Credit: Each Brown Bag session is eligible for one hour

Vitamin B12 Deficiency and Its Laboratory Investigation 43101 or 53201
Majid Moridani, PharmD, PhD, DClinChem, Texas Tech School of Pharmacy & School of Medicine, Amarillo
Level: Intermediate
Developed in cooperation with Nutrition Division

Drug Interferences — The Unsolved Problem 43102 or 53202
Oswald Sonntag, Ortho-Clinical Diagnostics Gmbh, Eichenau, Germany
Level: Basic

Evaluation of High Sensitivity C-Reactive Protein Methods 43103 or 53203
William Roberts, MD, PhD, Univ. of Utah, Salt Lake City
Level: Intermediate

Assay Standardization from Scientific, Manufacturing and Regulatory Viewpoints 43104 or 53204
Pradip Datta, PhD, DABCC, Bayer Healthcare LLC-Diagnostics, Tarrytown, NY
Level: Basic
Developed in cooperation with TDM & Toxicology Division

Hepatitis C Virus: Epidemiology, Diagnosis and Patient Management 43105 or 53205
Peter Chou, PhD, DABCC, Quest Diagnostics Nichols Institute, Chantilly, VA
Level: Intermediate

Coagulation Proteins as Biomarkers in Cardiovascular Diseases 43106 or 53206
Shu-Ling Liang, Johns Hopkins Univ. School of Medicine, Baltimore, MD
Level: Basic
Developed in cooperation with Lipoproteins and Vascular Diseases Division

D-dimer Assays and Rapid Emergency Department Triage of Patients Suspected of Thrombotic Disease 43107 or 53207
David Plaut, Plano, TX
Level: Intermediate
Developed in cooperation with Lipoproteins and Vascular Diseases Division

Homebrews and Alphabet Soup: An Introduction to Molecular Diagnostics Regulatory Issues 43108 or 53208
Theresa Ambrose, PhD, DABCC, FACB, RAC, Roche Diagnostics Corporation, Indianapolis, IN
Level: Basic

The Impact of the NGSP on Glycated Hemoglobin (HbA1c) Measurement 43109 or 53209
Randie Little, PhD, Univ. of Missouri at Columbia
Level: Intermediate

New Pharmacogenomic Tests: Coming to a Lab Near You 43111 or 53211
Michael Murphy, Gentris Corporation, Morrisville, NC
Level: Intermediate
Developed in cooperation with Molecular Pathology Division

Antioxidant Supplementation and Its Effect on Clinical Outcomes in Critical Illness 43112 or 53212
Vinita Mishra, Liverpool, United Kingdom
Level: Intermediate
Developed in cooperation with Nutrition Division

ILLUM-0106

Lipemia and Laboratory Interference Issues
43113 or 53213
Patrick Twomey, BSc, MB, BAO, BCh, MRCPath, Ipswich Hospital, United Kingdom
Level: Basic

Risk Assessment For Healthy Persons — A New Concept In Laboratory Medicine 43114 or 53214
Rolf Hinzmann, MD, PhD, SYSMEX GmbH, Norderstedt, Germany
Level: Basic

POCT: The Right Test...Right Now! 43115 or 53215
Charles Weinzierl, BS, ASCP, Beckman Coulter, Inc., Chaska, MN
Level: Intermediate
Developed in cooperation with Critical and Point-of-Care Testing Division

Lipoprotein Subfractions and Their Significance in Healthcare 43116 or 53216
Nehemias Muniz, Quantimetrix Corp., Redondo Beach, CA
Level: Basic

Laboratory Diagnosis of Alcohol Poisoning
43117 or 53217
Kenneth Ihenetu, Univ. of Louisville, KY
Level: Intermediate

Role of the Clinical Laboratory in Clinical Trials for the Development of Drugs by the Pharmaceutical Industry 43118 or 53218
Thomas Cole, PhD, DABCC, FACB, Linco Diagnostic Services, Inc., St. Charles, MO
Level: Basic

Using Point-of-Care Testing to Guide Transfusion Therapy 43119 or 53219
Paula Santrach, MD, Mayo Clinic, Rochester, MN
Level: Intermediate
Developed in cooperation with Critical and Point-of-Care Testing Division

Testing for Alpha 1-antitrypsin Deficiency
43120 or 53220
Joshua Bornhorst, Univ. of Utah/ARUP Labs, Salt Lake City
Level: Intermediate

Prenatal Screening for Fetal Down Syndrome
43121 or 53221
Andrew MacRae, PhD, FCACB, Univ. of Toronto, Canada
Level: Intermediate

Looking Back: Evaluating the Impact of Health and Disease on Famous Artists and Politicians
43122 or 53222
Paul Wolf, MD, ABP, Univ. of California, San Diego
Level: Basic
Developed in cooperation with History of Clinical Chemistry Division

Driving Exponential Results with Value Stream Mapping: A Visual Link between Lean and Six Sigma 43125 or 53225
Michele Long, Ortho-Clinical Diagnostics, Raritan, NJ
Level: Basic
Developed in cooperation with Management Sciences Division

Protocols for Use of Thyroid Function Tests
43126 or 53226
Vidya Bhogadi, MBBS, MD, S.F.G.H, San Fernando, Trinidad & Tobago
Level: Intermediate

Emerging Biochemical Markers for the Evaluation of Anemia 43127 or 53227
Susan Retka, Beckman Coulter, Inc., Chaska, MN
Level: Intermediate

MEET THE EXPERTS

10:30am - 11:30am

Attendance in these sessions is strictly limited. Advance registration is highly encouraged.

One Corporation's Entry Back into the Healthcare Business 63001

Leonard Quadracci, MD, Quad/Graphics, Inc, West Allis, WI

Level: Intermediate

CE Credit: 1

Session Overview: Healthcare delivery is dynamic. In something of a return to more innocent times, Dr. Quadracci's corporation has created a model of care that is fully self-insured and includes self-delivered primary and specialty care for its employees. Significant inroads into increasing wellness and reducing morbidity have been made. The incorporation of laboratory services has been an important element of this onsite care delivery model. This session will provide a more in-depth and more intimate discussion of the topics raised in the accompanying Plenary session.

Expected Outcomes: After attending this session, participants will be able to: 1) list the reasons for the re-emergence of employer-provided healthcare; 2) evaluate the role that laboratory medicine plays in this model of healthcare delivery; 3) describe the models of care delivery in the United States and their track record; 4) explain the relationship between health, productivity and employer/employee satisfaction; and 5) understand the role that quality measurements play in directing the provision of optimal care.

The Role of the Clinical Laboratory during an Influenza Outbreak 63002

Angela Caliendo, MD, PhD, Emory Univ. Hospital, Atlanta, GA

Level: Intermediate

CE Credit: 1

Session Overview: This session will cover current issues that the clinical laboratory may face if challenged with an influenza outbreak. Dr. Caliendo will offer a short overview of the diagnostic options, describe which tests fit which clinical situations, and suggest what to think about in a pandemic when drug and diagnostic reagents may be in short supply. The session will be devoted to participant-led discussions of topics such as what is going on in the field, experiences, application of new tests and technologies and various institutional programs to address an influenza outbreak.

Expected Outcomes: After attending this session, participants will be able to: 1) better address questions that may arise from clinicians and patients; 2) participate more effectively in institutional preparedness for an influenza outbreak; and 3) decide which technologies and tests can be applied in their own laboratories.

FULL DAY SYMPOSIA

10:30am - 12noon and 2:30pm - 5:00pm

Pharmacogenetics Practice Guidelines I: Establishing Clinical Applications 33301

Moderator: Roland Valdes, Jr., PhD, DABCC, FACB, Univ. of Louisville School of Medicine, KY

Level: Intermediate

CE Credit: 1.5 & 2.5

Developed in cooperation with NACB, and the Molecular Pathology and TDM & Toxicology Divisions

Session Overview: The National Academy of Clinical Biochemistry (NACB; The Academy of the AACC) is in the process of establishing laboratory management practice guidelines (LMPGs) for the clinical application of pharmacogenetics (PGx) testing in healthcare. This new dynamic discipline of clinical pharmacogenetics is recognized to have significant potential for reducing serious adverse drug reactions, including consequences to healthcare that surround use of multiple medications, etc. In this two-day symposium we will review the NACB practice guidelines as developed by experts in this discipline who have contributed to this important topic through committees and extensive review activities. Evidence-based applications of pharmacogenetics will be presented to support the recommended guidelines and will include a grading of the evidence available. Importantly, these guidelines will also point to and suggest areas where evidence still needs to be strengthened and recommend criteria for providing that evidence. The symposia will provide the audience insight into this growing clinical laboratory service, as well as an open forum for discussing these guidelines before they are finalized and published. Input from clinical laboratory personnel, the *in-vitro* diagnostic industry, pharmacists, clinical practitioners and regulatory agencies will be very important in finalizing these practice guidelines in pharmacogenetics.

Expected Outcomes: After attending this session, participants will be able to: 1) cite the parameters that are necessary to provide optimum pharmacogenetics testing in specific clinical settings; 2) explain the potential links in the roles of pharmacogenetics and therapeutic drug monitoring in clinical settings; 3) describe and formulate recommended guidelines for clinical laboratories introducing pharmacogenetics testing services; 4) list the necessary parameters for optimizing clinical assays needed in pharmacogenetics testing; and 5) describe recommended parameters for optimizing their reimbursement and regulatory functions.

MORNING SPEAKERS

General Introduction (Scope and Approach-Objectives of LMPG, Definitions in PGx, Grading Evidence)
Roland Valdes, Jr., PhD, DABCC, FACB, Univ. of Louisville School of Medicine, KY

Fundamentals of Population Genetics Applied to Pharmacogenomics
Gualberto Ruano, MD, PhD, Genomas, Inc., Hartford, CT

AFTERNOON SPEAKERS

Methodology and Quality Assurance in PGx Testing
Deborah Payne, PhD, Univ. of Texas Medical Branch, Galveston

Providing Clinical Laboratory Services in PGx
Mark Linder, PhD, DABCC, Univ. of Louisville, Louisville, KY

Reporting and Interpretation of PGx Test Results
Jean-Pierre Morello, Seryx-Signature Genetics, Montreal, Canada

HOT TOPIC – GENOMICS/PROTEOMICS

SATURDAY SPECIAL EVENT
Metabolomic Markers in Diet and Health

SUNDAY FULL DAY SHORT COURSE 191010
LC/MS/MS Instrumentation and Its Applications in Clinical Laboratory

MONDAY PLENARY 12001
Computing in the Age of the Genome

MONDAY SYMPOSIUM 32301
Novel Applications of Genomic Profiling

MONDAY AFTERNOON SYMPOSIUM 32208
Recent Advances in Clinical Proteomics

TUESDAY MORNING SYMPOSIUM 33104
Urinary Proteomics: A Golden Opportunity for Improved Diagnosis of Renal and Systemic Disorders

TUESDAY AFTERNOON SHORT COURSE 73210
Proteomics: Introduction to Mass Spectrometric Analysis of Proteins

WEDNESDAY AFTERNOON SHORT COURSE 74206
The New Tools of Proteomics: Mass Spectrometry and Protein Microarrays

THURSDAY SYMPOSIUM 35102
Nutrigenomics: The Connection Between Nutrition and Genes

Improving the Total Testing Cycle Through Partnerships — The New IQLM 33302

Moderator: D. Robert Dufour, MD, VA Medical Center, Washington, DC
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Institute for Quality in Laboratory Medicine

Session Overview: The Institute of Quality of Laboratory Medicine (IQLM) is a partnership of laboratorian and clinician organizations, diagnostics manufacturers, government agencies, patient groups and payers that has been developed to focus on improvements in laboratory testing. This symposium will give an overview of IQLM, summarize its activities in developing quality indicators and laboratory networks, and review significant laboratory quality and patient safety data compiled, in part, through IQLM activities.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the structure and function of the IQLM and the role it will play in improving laboratory quality; 2) identify key indicators of laboratory quality for consideration in their own laboratories; and 3) identify sources of laboratory quality information to be used to compare their own performance.

MORNING SPEAKERS

The Institute for Quality in Laboratory Medicine — A New Entity in the Quality Field
D. Joe Boone, PhD, Centers For Disease Control and Prevention, Atlanta, GA

The Physician's Perspective on Laboratory Errors in the Ambulatory Setting
Nancy Elder, MD, Univ. of Cincinnati, OH

AFTERNOON SPEAKERS

Quality Practices Used by Laboratories — Report of the IQLM Laboratory Network
Barbara Goldsmith, PhD, St. Elizabeth's Medical Center, Boston, MA

Laboratory Quality Indicators — How Do We Know How We're Doing?
Lee Hilborne, MD, MPH, DLM, Univ. of California Los Angeles, CA

The National Laboratory Quality Report — Where Are We Now?
D. Robert Dufour, MD, VA Medical Center, Washington, DC

Nanotechnology: Clinical Applications, Diagnostics and Therapeutics 33303
Moderator: Paul Jannetto, PhD, Medical College of Wisconsin, Milwaukee
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Molecular Pathology Division

Session Overview: This symposium will introduce attendees to nanotechnology and the regulatory issues raised in implementing its use. In this session, several clinical applications of nanotechnology in diagnostics and therapeutics will be presented.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the basic concepts of nanotechnology and identify its role in medicine; and 2) list specific clinical and medical applications of nanotechnology.

MORNING SPEAKERS

Nanotechnological Tools that will Impact Molecular Diagnostics
Chad Mirkin, Ph.D., Northwestern Univ., Evanston, IL

Microminiaturization: Current Status and Link to Nanoscale Diagnostics
Larry Kricka, DPhil, FACB, Univ. of Pennsylvania Medical Center, Philadelphia

AFTERNOON SPEAKERS

Nano-Technology: Bringing the Big Picture to Clinical Applications
Kaiser Aziz, PhD, Medical Quality International, Silver Spring, MD

Nanotechnology for SNP Detection
Paolo Fortina, MD, PhD, Thomas Jefferson Univ., Philadelphia, PA

Molecular Diagnostic Applications of Nanotechnology-Coagulation, CYP450
Paul Jannetto, Ph.D., Medical College of Wisconsin, Milwaukee

FULL DAY SHORT COURSE
10:30am - 12noon and 2:30pm - 5:00pm

Business Opportunities for Clinical Labs in Pharmaceutical Discovery and Development 73303
Moderator: Michael Stocum, MS, Tricon Pharmaceuticals, Research Triangle Park, NC
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with the Industry and Molecular Pathology Divisions

Session Overview: This session will explore clinical laboratory testing and assay development support needed by pharmaceutical companies, such as developing genomics and proteomics biomarkers (needed for clinical validation during clinical trials) or developing new TDM tests. Business aspects will also be discussed, including generation of revenue from testing and transitioning validated biomarkers into novel products for IVD companies.

Expected Outcomes: After attending this session, participants will be able to: 1) identify testing and product opportunities for their own laboratories; 2) describe how business revenues may be extracted from clinical service testing, biomarker validation and partnering for diagnostic product development; and 3) translate the needs of pharmaceutical companies seeking to integrate genomic, proteomic and other biomarker discovery initiatives into clinical trials and ultimately clinical practice.

MORNING SPEAKERS

Biomarker Driven Pharmaceutical Trials: Business Opportunities for Clinical Laboratories and Diagnostic Companies
Michael Stocum, MS, Tricon Pharmaceuticals, Research Triangle Park, NC

Clinical Laboratory Testing Needs of Biotechnology Companies
Scott Patterson, PhD, Amgen, Thousand Oaks, CA

AFTERNOON SPEAKERS

Genetics in Clinical Medicine
Raju Kucherlapati, PhD, Harvard Partners Center for Genetics and Genomics, Boston, MA

Building A Biomarker Business: Clinical Validation Testing and Biomarker Licensing
Meeta Patnaik, MD, Pathway Diagnostics, Malibu, CA

Pharmaceutical Testing: Transitioning From Service Laboratory to IVD Products
Walter Carney, PhD, Oncogene Science/Bayer HealthCare LLC, Cambridge, MA

ILLUM-0110

MORNING SYMPOSIA
10:30am - 12noon

Urinary Proteomics: A Golden Opportunity for Improved Diagnosis of Renal and Systemic Disorders 33104
Moderator: Glen Hortin, MD, PhD, NIH Department of Laboratory Medicine, Bethesda, MD
Level: Basic
CE Credit: 1.5
Developed in cooperation with Proteomics Division

Session Overview: This symposium will provide an overview of the current test methods and applications for analysis of urinary proteins. This session will also focus on the prospects for new markers and tests based on analysis of proteins by mass spectrometry and other new technologies.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the physiology of protein, urinary protein and peptide excretion; 2) cite current methods and diagnostic applications for urinary protein analysis; and 3) identify potential new methods and applications for urinary protein analysis.

SPEAKERS

From Current Laboratory Practice to Future Proteomic Analysis of Urine Specimens
Glen Hortin, MD, PhD, NIH Department of Laboratory Medicine, Bethesda, MD

Urine Proteomics in Renal Dysfunction: Transplant Rejection and Renal Ischemia
William Clarke, PhD, Johns Hopkins Medical Institutions, Baltimore, MD

Menopause: Diagnosis, Symptoms and Clinical Management 33105
Moderator: Laurence Demers, PhD, DABCC, FACB, MS Hershey Medical Center/Penn State Univ., Hershey
Level: Basic
CE Credit: 1.5

Session Overview: This symposium will focus on the key issues associated with the diagnosis, symptoms and clinical management of menopause. Menopause is a natural process associated with a decline in reproductive potential of the middle-age woman. During menopause, many women experience moderate to severe clinical problems and symptoms such as hot flashes and osteoporosis that are due to decreased production of estrogen, a problem that can be effectively treated if properly diagnosed. In fact, a wide variety of treatment strategies are used to minimize or eliminate the symptoms of menopause. Hormonal testing is frequently used to both confirm the presence of menopause and to gauge efficacy of the various treatments used to moderate this condition in post-menopausal women.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the key physiologic and clinical features of menopause, its prevalence and the severity of selected symptoms; 2) describe the appropriate use of laboratory tests to establish the diagnosis of menopause; and 3) monitor the response to different therapies used to treat the menopausal symptoms.

SPEAKERS

Prevalence, Severity and Treatment of Menopausal Symptoms
Rhoda Cobin, MD, Mt. Sinai School of Medicine, Midland Park, NJ

Clinical Management of Menopause: Laboratory Perspective
Laurence Demers, PhD, DABCC, FACB, MS Hershey Medical Center/Penn State Univ., Hershey

ILLUM-0111

MORNING INTERACTIVE WORKSHOP
10:30am - 12noon

Adventures in the Gamma Zone 23101
Moderator/Speaker: James Faix, MD, Stanford Univ. Medical Center, CA
Level: Advanced
CE Credit: 1.5
Developed in cooperation with Clinical & Diagnostic Immunology Division

Session Overview: This session deals with the identification of monoclonal immunoglobulin in patients suspected of having multiple myeloma, lymphoma, amyloidosis or other lymphoproliferative disorders. After a brief introduction detailing traditional approaches (protein electrophoresis, immunoelectrophoresis and immunofixation) and recent alternatives (capillary electrophoresis and serum free light chain), the moderator will present cases submitted by the participants. Participants should contact the moderator in advance and submit a puzzling pattern or perfect example of a classic finding. These may be the actual stained gels or (preferably) digitized images. The participant may, if she or he chooses, introduce the submitted case to the group. The moderator will organize the submitted cases into several themes and, after discussion of the cases in each theme, present a brief summary of the teaching points. Probable themes will include: sensitivity during screening and follow-up; criteria for "monoclonal gammopathy of undetermined significance" (MGUS); "pseudo"-bands; quantifying Bence-Jones protein; analysis of cerebrospinal fluid; unusual clinical syndromes associated with monoclonal immunoglobulin; and interferences by monoclonal immunoglobulin with other laboratory assays.

Expected Outcomes: After attending this session, participants will be able to: 1) improve interpretation of non-specific findings when reviewing protein and immunofixation electrophoresis of serum and urine; 2) utilize alternative markers for monitoring of myeloma and monoclonal gammopathy of undetermined significance; and 3) recognize unusual clinical syndromes and assay interferences associated with monoclonal immunoglobulin.

MORNING SHORT COURSES
10:30am - 12noon

Fetal and Perinatal Nutrition: Impact on Future Health 73104
Moderator: Vijay Laxmi Grey, PhD, FCACB, McMaster Univ. Medical Centre, Hamilton, Canada
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with Pediatric and Maternal-Fetal Division

Session Overview: This session is intended to review the current information on the fetal and neonatal origins of chronic diseases of adulthood such as cardiovascular disease, type 2 diabetes and osteoporosis. It will include a discussion of pre- and perinatal nutrition, the physiological responses and possible effects on long-term health.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the impact of maternal health and fetal nutrition on future health; 2) describe how perinatal nutrition (breast milk, formula and parental nutrition) impacts body mass and future health; 3) list adult diseases that have been linked epidemiologically with poor nutrition; and 4) discuss the effect of nutrition on endocrine responses.

SPEAKERS

Fetal and Early Childhood Origins of Adult Disease
Katherine Morrison, MD, FRCP(C), McMaster Univ., Hamilton, Canada

Early Life Programming of Bone Mass
Hope Weiler, RD, PhD, McGill Univ., Ste-Anne-de-Bellevue, Canada

ILLUM-0112

Increasing Productivity Through Effective Time Management 73105
Moderator/Speaker: Christopher Frings, PhD, CSP, Chris Frings & Associates, Birmingham, AL
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with Management Sciences Division

Session Overview: This is a practical program for those who wish to better manage their time, accomplish their top priorities and increase productivity. Topics to be addressed include: ten ways to better use your time, setting and achieving goals, electronic organizers, managing interruptions, meetings, delegation, priorities and controlling procrastination.

Expected Outcomes: After attending this session, participants will be able to: 1) identify specific ways they can work smarter; 2) apply practical ways to manage time and multiple priorities that result in increased productivity; and 3) develop a 30 day written plan to free up approximately two hours each day.

Clinical Laboratory Method Evaluation: How Do CLSI Guidelines Compare With Contemporary Practice? 73106
Moderator: William Clarke, PhD, Johns Hopkins Medical Institutions, Baltimore, MD
Level: Intermediate
CE Credit: 1.5

Session Overview: This short course is designed to provide the audience with a fresh look at method evaluation, specifically with regard to precision, as recommended in the latest CLSI guidelines. This course is designed to discuss potential shortfalls in current protocols and how CLSI guidelines for method evaluation address them.

Expected Outcomes: After attending this session, participants will be able to: 1) delineate differences between current practice for evaluation of imprecision and the protocol outlined in CLSI EP5-A2; 2) characterize and determine components of variance and assess their impact on precision and test method comparisons; 3) apply CLSI guidelines for method evaluation to future assessments of assays or instruments; and 4) compare CLSI guidelines with FDA and ICH guidelines for Method Validation Studies, e.g. repeatability, intermediate precision and reproducibility studies.

SPEAKERS

Traditional Practice for Method Evaluation
William Clarke, PhD, Johns Hopkins Medical Institutions, Baltimore, MD

Application of NCCLS Guidelines for Method Evaluation
Kimberlee Borden, Research Oriented Biostatistics Inc (ROB Inc.), Mundelein, IL

AFTERNOON SYMPOSIA
2:30pm - 5:00pm

Best Practices for the Operation and Management of Point-of-Care Testing 33206
Moderator: James Nichols, PhD, FACB, Baystate Health System, Springfield, MA
Level: Basic
CE Credit: 2.5
Developed in cooperation with Critical and Point-of-Care Testing Division

Session Overview: This symposium will highlight the best practices for operation, management and implementation of point-of-care-testing (POCT) by using practical examples and case studies from several different laboratories. The application of quality systems, the role of evidence based medicine and the value of methods used to enhance physician communication will also be addressed in this best practices session on POCT.

Expected Outcomes: After attending this session, participants will be able to: 1) improve interdisciplinary communication regarding POCT with clinical staff; 2) identify common issues of concern with POCT and describe potential, as well as optimal, solutions to these issues; 3) utilize a quality systems approach for development of a POCT program; 4) explain how to implement an effective POCT program based on published and generally accepted standards of practice; and 5) describe how POCT is best used and managed in order to minimize medical errors.

SPEAKERS

Evidence Based POCT: Translating Research into Clinical Practice
James Nichols, PhD, FACB, Baystate Health System, Springfield, MA

Quality Systems as Best Practice
Paula Santrach, MD, Mayo Clinic, Rochester, MN

Building a POCT Program to Prevent Error
Lou Ann Wyer, MT (ASCP), Sentara Healthcare, Norfolk, VA

ILLUM-0113

New Developments in Diabetes Testing and Management 33207
Moderator: Mitchell Scott, PhD, Washington Univ. School of Medicine, Saint Louis, MO
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with American Diabetes Association

Session Overview: This symposium will focus on the key issues related to changing standardization of selected HbA1c methods to be traceable to the IFCC calibrated HbA1c material. Preliminary results from an ADA-sponsored study examining the relationship of HbA1c to mean blood glucose will be presented as well as results from the EPIC study demonstrating decreased macrovascular complications in DCCT subjects eight years after intensive insulin therapy.

Expected Outcomes: After attending this session, participants will be able to: 1) quantify differences in IFCC and NGSP standardized HbA1c methods and list the educational challenges encountered by a laboratory changing to a method standardized with the IFCC standard material; 2) describe the relationship of HbA1c levels to mean blood glucose over a 3-month period; and 3) cite the decreased incidence of micro- and macrovascular complications with intensive insulin therapy as data from the EPIC studies suggest.

SPEAKERS

Glycated Hemoglobin Standardization (The NGSP/IFCC Dilemma!)
David Sacks, MB, ChB, FRCPath, Brigham and Woman's Hospital, Boston, MA

The Relationship of Mean Blood Glucose Concentration to HbA1c Values
David Nathan, MD, Mass General Hospital, Boston

New Developments Impacting Diabetes Management
Mayer Davidson, MD, UCLA School of Medicine, Los Angeles, CA

AFTERNOON INTERACTIVE WORKSHOP
2:30pm - 5:00pm

High-Resolution DNA Melting Analysis: Simpler and More Efficient Next-generation Molecular Diagnostics. 23202
Moderator: Carl Wittwer, MD, PhD, Univ. of Utah, Salt Lake City
Level: Intermediate
CE Credit: 2.5

Session Overview: High-resolution DNA melting analysis is a simple solution for mutation scanning and genotyping in modern molecular diagnostics. Neither probes nor physical processing is required. This highly interactive session will provide direct experience in DNA melting and computer analysis of melting data. Use of personal laptops will be required for full interactivity.

Expected Outcomes: After attending this session, participants will be able to: 1) use high-resolution DNA melting equipment; 2) analyze DNA melting data on a computer for mutation scanning, genotyping, and HLA matching; 3) interpret results of DNA melting analysis for mutation scanning and HLA matching; and 4) design melting experiments for genotyping, including Tm estimation and primer design.

SPEAKERS

Introduction to DNA Melting Analysis for Diagnostics
Carl Wittwer, MD, PhD, Univ. of Utah, Salt Lake City

Software Analysis of DNA Melting Data
Bob Palais, Univ. of Utah, Salt Lake City

HOT TOPIC – MASS SPEC

SUNDAY FULL DAY SHORT COURSE 191010
LC/MS/MS Instrumentation and Its Applications in Clinical Laboratory

MONDAY BROWN BAG SESSION 42114/52214
Tandem Mass Spectrometry Assay Development: What it Takes to Bring and Keep an Assay Successfully On-Line

TUESDAY AFTERNOON SHORT COURSE 73210
Proteomics: Introduction to Mass Spectrometric Analysis of Proteins

WEDNESDAY AFTERNOON SHORT COURSE 74206
The New Tools of Proteomics: Mass Spectrometry and Protein Microarrays

ILLUM-0114

AFTERNOON SHORT COURSES
2:30pm - 5:00pm

Laboratory Investigation of Neurological Disease 73207
Moderator: Ian Watson, PhD, FRCPath, Univ. Hospital Aintree, Liverpool, United Kingdom
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with United Kingdom National External Quality Assurance Immunochemistry Group

Session Overview: Cerebrospinal fluid (CSF) analysis is clinically helpful in a number of neurological situations such as demyelinating disease, intra-cranial hemorrhage and rupture of the dura. In this session, the faculty — who have extensive experience in providing laboratory services for neurological patients — will discuss the appropriate laboratory investigations in defined neurological problems.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the sample requirements for investigating CSF for neurological disease; 2) describe the methodologies used in CSF analysis when investigating neurological disease; 3) list and explain the causes of abnormal findings in CSF analysis; and 4) develop appropriate investigation protocols.

SPEAKERS

Laboratory Confirmation of an Intra-Cranial Bleed
Robert Beetham, PhD, FRCPath, Frenchay Hospital, Bristol, United Kingdom

Laboratory Investigation of Demyelinating and Neuroinflammatory Disease
Geoffrey Keir, PhD, National Hospital for Neurology and Neurosurgery, London, United Kingdom

Investigation of Rhinnorhea
Ian Watson, PhD, FRCPath, Univ. Hospital Aintree, Liverpool, United Kingdom

Therapeutic Drug Management of the Newer Antiepileptic Drugs 73208
Moderator: David Berry, PhD, Medical Toxicology Unit, London,
United Kingdom
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with TDM & Toxicology Division

Session Overview: This session will complement presentations at the TDM Renaissance 2003 and AACC 2005 Annual Meetings, giving a comprehensive and balanced update on the current issues and practice of TDM of the newer antiepileptic drugs. The speakers will address the rationale and clinical issues related to monitoring the newer AEDs and also discuss method options for their analyses.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the rationale for monitoring the newer AEDs; 2) describe the analytical methods currently available for the newer AEDs; 3) provide guidance to clinicians on appropriate sampling and interpretation of analytical data for the newer AEDs; and 4) list the issues relating to special patient populations.

SPEAKERS

Rationale for Monitoring the Newer Antiepileptic Drugs
David Berry, PhD, Medical Toxicology Unit, London, United Kingdom

Monitoring the Newer Antiepileptic Drugs — Clinical Perspectives
Frank Besag, FRCPsych, FRCP, FRCPCH, MB, ChB, PhD, Bedfordshire and Luton NHS Trust, Bedford, United Kingdom

Analytical Methodology and Practical Consideration
John Wilson, PhD, William Beaumont Hospital, Royal Oak, MI

Laboratory Ambassadors: Agents of Change for Improved Service, Patient Safety and Morale 73209
Moderator: David Grenache, PhD, MT(ASCP), DABCC, FACB, Univ. of North Carolina School of Medicine, Chapel Hill
Level: Basic
CE Credit: 2.5

Session Overview: Laboratory ambassadors are appropriately trained technologists that visit clinical service areas to monitor, identify and respond to laboratory-related patient care needs. This session will focus on one medical center's experience with implementing a laboratory ambassador program to increase the visibility of the clinical laboratory among other healthcare professionals, improve the level of service provided by the laboratory, involve technologists in patient care issues to increase morale, improve career satisfaction and enhance patient safety.

Expected Outcomes: After attending this session, participants will be able to: 1) describe how joint problem-solving can improve patient care and safety; 2) discuss the benefits of improved communication at the clinical level; 3) explain key factors for evaluating the program; 4) identify challenges to implementing this service; 5) list benchmarks to monitor results; and 6) explore ways to work with the clinical staff to make this service successful.

SPEAKERS

Laboratory Ambassadors as Agents of Change
Connie Bishop, MT(ASCP-SH), Univ. of North Carolina Hospitals, Chapel Hill

Laboratory Ambassadors: A Training Program
Christopher Parker, MT(ASCP), Univ. of North Carolina Hospitals, Chapel Hill

Laboratory Ambassadors: Outcomes, Benefits, and Challenges
David Grenache, PhD, MT(ASCP), DABCC, FACB, Univ. of North Carolina School of Medicine, Chapel Hill

Proteomics: Introduction to Mass Spectrometric Analysis of Proteins 73210
Moderator: Glen Hortin, MD, PhD, NIH Department of Laboratory Medicine, Bethesda, MD
Level: Basic
CE Credit: 2.5
Developed in cooperation with Proteomics Division

Session Overview: This session will address how mass spectrometry offers new approaches for qualitative and quantitative analysis of proteins. These tools are being applied for clinical laboratory analyses as well as for discovery of new markers for disease.

Expected Outcomes: After attending this session, participants will be able to: 1) list current clinical applications of mass spectrometric analysis of proteins; 2) explain basic principles of analysis of different mass spectrometric methods; 3) discuss how mass spectrometric methods can be applied for analysis of structural variants of proteins and for quantitation of proteins and peptides; and 4) describe how these methods can be used for discovery of new markers for disease.

SPEAKERS

Introduction to Electrospray and MALDI TOF Techniques
Steven Drake, PhD, NIH, Bethesda, MD

SELDI TOF Mass Spectrometry and Biomarker Discovery
Gerard Hoehn, PhD, NIH, Bethesda, MD

Mass Spectrometric Analysis of Proteins: Current and Potential Clinical Applications
Glen Hortin, MD, PhD, NIH Department of Laboratory Medicine, Bethesda, MD

How Any Lab Can Be Better — For Everyone 73211
Moderator: Pennell Painter, PhD, Univ. of Tennessee Medical Center, Knoxville
Level: Intermediate
CE Credit: 2.5

Session Overview: Very significant gains in productivity and clinician satisfaction can be attained while making the lab "the place in town where everyone wants to work," when laboratory decisions, like new equipment selection, are made an integral part of improved laboratory processes. This session will show participants, through case examples, how process improvement teams operate best. Participants will learn how to select automated laboratory equipment that will yield the best benefits for everyone.

Expected Outcomes: After attending this session, participants will be able to: 1) describe how process improvement (PI) can be used to create significantly better and more productive labs where people want to be employed; 2) organize and participate in Process Improvement teams; 3) select laboratory equipment and instrumental systems based on PI team output; and 4) determine and evaluate the outcomes of PI initiatives to formulate additional improvement plans.

SPEAKERS

Using Instrumental Systems and Other Lab Solutions to Make a Better Lab for All
Pennell Painter, PhD, Univ. of Tennessee Medical Center, Knoxville

Using Process Improvement Initiatives to Make Better Decisions for All
Norman Crowe, MPH, Dynacare Tennessee Laboratory, Knoxville

The Clinical Chemistry Professional Transitioning to the Core Laboratory: A Primer on Coagulation Testing and Disorders 73212
Moderator: William Winter, MD, FCAP, FACB, Univ. of Florida, Gainesville
Level: Basic
CE Credit: 2.5

Session Overview: This introductory course is designed for the clinical chemistry professional that is transitioning to the core laboratory and must understand the coagulation testing. Normal coagulation pathways, coagulation disorders and laboratory studies needed for correct clinical diagnosis and management will be covered.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the normal coagulation pathways and their regulation involving the endothelium, platelets and plasma protein clotting; 2) explain the basic and advanced laboratory tests used to assess plasma clotting factors and platelets as applicable to the understanding of bleeding and thrombotic disorders; and 3) enumerate clotting factor and platelet disorders that cause bleeding or thrombosis while explaining the pathophysiology of these disorders.

SPEAKERS

The Clinical Chemistry Professional Transitioning to the Core Laboratory: A Primer on Coagulation Testing and Disorders
William Winter, MD, FCAP, FACB, Univ. of Florida, Gainesville

The Clinical Chemistry Professional Transitioning to the Core Laboratory: A Primer on Coagulation Testing and Disorders
Neil Harris, MD, Univ. of Florida College of Medicine, Gainesville

HOT TOPIC – TDM/TOX

SATURDAY SPECIAL EVENT
Issues in Immunodiagnostics Symposium: Organ Transplantation and the Clinical Laboratory - What's on the Horizon

MONDAY BROWN BAG SESSION 42113/52213
An Introduction to Crystal "Meth" - The Lab's Perspective

MONDAY AFTERNOON SHORT COURSE 72210
How to Eliminate False Positive and False Negative Results in Clinical Chemistry Laboratory

MONDAY BROWN BAG SESSION 42118/52218
Therapeutic Drug Management in the Pain Clinic Setting

MONDAY MORNING INTERACTIVE WORKSHOP 22102
Clinical Toxicology Cases

MONDAY BROWN BAG SESSION 42119/52219
Alternative Medicinals: Impact on Clinical Laboratory Medicine

TUESDAY AFTERNOON SHORT COURSE 73208
Therapeutic Drug Management of the Newer Antiepileptic Drugs

TUESDAY BROWN BAG SESSION 43102/53202
Drug Interference - The Unsolved Problem

TUESDAY BROWN BAG SESSION 43117/53217
Laboratory Diagnosis of Alcohol Poisoning

WEDNESDAY BROWN BAG SESSION 44109/54209
How People Try to Beat Drug Tests and Defend Positive Results

WEDNESDAY MORNING SHORT COURSE 74103
Beyond Herbals: The Toxicology of Plants

THURSDAY SYMPOSIUM 35101
Clinical Applications of Liquid Chromatography/Mass Spectrometry

THURSDAY SYMPOSIUM 35105
Contemporary Therapeutic Drug Management: Merging Pharmacogenomics, Biomarkers, Drug Concentrations, and Informatics to Improve Patient Care.

WEDNESDAY'S SCHEDULE

7:30am – 8:30am
Brown Bag Sessions

8:00am – 12noon
OEM Lecture Series
McCormick Place Convention Center

8:45am – 10:15am
Plenary Session

9:30am – 5:00pm
Expo Open

10:30am – 11:30am
Meet the Experts

10:30am – 12noon
Chair's Invited Session

10:30am – 12noon
Symposia

10:30am – 12noon
Short Courses

12:30pm – 1:30pm
Brown Bag Sessions

12:30pm – 2:15pm
NACB Awards Luncheon and Membership Meeting
Hyatt Regency Chicago

2:30pm – 4:00pm
Chair's Invited Session

2:30pm – 5:00pm
Symposia

2:30pm – 5:00pm
Short Courses

2:30pm – 5:00pm
Interactive Workshops

3:00pm – 5:00pm
BMA Seminar
Hyatt Regency Chicago

4:30pm – 5:30pm
Van Slyke Foundation Reception
Hyatt Regency Chicago

6:00pm – 7:00pm
Industry Division Membership Meeting
Hyatt Regency Chicago

PLENARY SESSION
8:45am - 10:15am

The Convergence of Diagnostics and the Transformation of Medicine 14001

William Clarke, MD, MSc, GE Healthcare, Waukesha, WI

Level: Intermediate

CE Credit: 1

Session Overview: This plenary session will elucidate the role that molecular *in-vitro* diagnostics play in directing clinicians towards effective use of highly specific *in-vivo* molecular imaging diagnostics. This session will also highlight the convergence of *in-vivo* and *in-vitro* diagnostics with new targeted therapies in relevant clinical disciplines such as oncology.

Expected Outcomes: After attending this session, participants will be able to: 1) describe key features of the emerging field of molecular *in-vivo* imaging; 2) explain the synergy between *in-vitro* molecular diagnostics tests and molecular *in-vivo* imaging in selected disease states; and 3) identify the utility of, and interplay between, *in-vitro* diagnostics testing and *in-vivo* imaging in selected clinical scenarios of predisposition testing for populations at-risk, residual tumor burden and recurrence of disease.

BROWN BAG SESSIONS

7:30am - 8:30am and 12:30pm - 1:30pm

Brown Bag Sessions are repeated twice daily. Attendance is limited to 10 participants per session. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

Session numbers beginning with a "4" are morning sessions. Those beginning with a "5" are noon-time sessions.

CE Credit: Each Brown Bag session is eligible for one hour

The Application of Pharmacogenetics in Personalized Treatment: New Roles for Laboratory Medicine and Clinicians 44101 or 54201
Majid Moridani, PharmD, PhD, DClinChem, Texas Tech School of Pharmacy & School of Medicine, Amarillo
Level: Intermediate
Developed in cooperation with Molecular Pathology Division

Resources for Standardization and Quality in Molecular Diagnostics 44102 or 54202
Roberta Madej, Roche Molecular Systems, Pleasanton, CA
Level: Basic

Opening Pandora's Box: Assessing Linearity
44104 or 54204
David Plaut, Plano, TX
Level: Intermediate

Standardization of High-Sensitivity C-Reactive Protein Assays 44105 or 54205
Mary Kimberly, PhD, Centers for Disease Control & Prevention, Atlanta, GA
Level: Intermediate
Developed in cooperation with Lipoproteins and Vascular Diseases Division

Core Profile Testing During Cardiac Crises
44106 or 54206
Terry Shirey, PhD, DABCC, Nova Biomedical Corporation, Waltham, MA
Level: Intermediate

Personalized Medicine: What Does it Mean for the Laboratory? 44107 or 54207
Deborah Payne, PhD, Univ. of Texas Southwestern Medical Center, Dallas
Level: Basic
Developed in cooperation with AACC's Pharmacogenomics Committee and Molecular Pathology Division

Laboratory Automation, If I Knew Then What I Know Now 44108 or 54208
Carmen Wiley, PhD, Marshfield Clinic/St Joseph's Hospital, Marshfield, WI
Level: Basic

How People Try to Beat Drug Tests and Defend Positive Results 44109 or 54209
Amitava Dasgupta, PhD, DABCC, NRCC, Univ. of Texas at Houston Medical School
Level: Basic
Developed in cooperation with TDM & Toxicology Division

Clinical Value of Very Sensitive PSA Measurements Following Prostatectomy 44110 or 54210
Lynn Witherspoon, MD, ABIM, ABNM, Ochsner Clinic Foundation, New Orleans, LA
Level: Intermediate

Lipid and Cardiac Profiling In Laboratory Animals
44111 or 54211
Joseph Sansone, BA, MT, Johnson & Johnson Pharmaceutical R & D., LLC, Raritan, NJ
Level: Intermediate
Developed in cooperation with the Animal Clinical Chemistry and Lipoproteins & Vascular Diseases Divisions

Strategies to Reduce Medical Error: A Clinical Laboratory Model 44112 or 54212
Jawahar (Jay) Kalra, MD, PhD, FRCPC, FCACB, Royal Univ. Hospital, Saskatoon, Canada
Level: Basic

Autoverification of Clinical Chemistry Results
44113 or 54213
Sihe Wang, Children's Memorial Hospital, Chicago, IL
Level: Basic

Challenges in Drug Development — Assessment of *In-vitro* Hemolysis: Study Design and Interpretation
44114 or 54214
Dirk Sprenger, MS, MT(ASCP), GlaxoSmithKline, Research Triangle Park, NC
Level: Basic
Developed in cooperation with Animal Clinical Chemistry Division

C-Reactive Protein: A New Inflammatory Risk Factor for Cardiovascular Disease and Diabetes.
44115 or 54215
Gerald Cooper, MD, PhD, Centers for Disease Control and Prevention, Atlanta, GA
Level: Intermediate
Developed in cooperation with Lipoproteins and Vascular Diseases Division

Effective Implementation of POCT in the Healthcare Setting 44116 or 54216
Diana DeHoyos, Univ. of Texas Medical Branch, Galveston
Level: Basic
Developed in cooperation with Critical and Point-of-Care Testing Division

ISO 15189, ISO 9001 and ISO 14001 Standards and Their Applicability in Accreditation and Certification Programs for Clinical Laboratories 44117 or 54217
Daniel Perigo, RPh, Fleury Diagnostics, São Paulo, Brazil
Level: Basic

Error Proofing and Process Improvement Techniques for Laboratory and IVD Industry Scientists 44118 or 54218
Richard Miller, BS, Dade Behring, Inc., Newark, DE
Level: Basic
Developed in cooperation with Industry Division

Circulating Molecular Variants of Prolactin: How to Investigate Their Presence and Limit their Interference in Immunoassays. 44119 or 54219
Ibrahim Hashim, PhD, DABCC, FACB, Univ. of Texas Southwestern Medical Center, Dallas
Level: Basic

Laboratory Support of Assisted Reproduction 44120 or 54220
Linda Rogers, PhD, DABCC, FACB, Laguna Hills, CA
Level: Intermediate

Prealbumin as a Nutritional Marker: Its Financial Impact and Positive Patient Outcome 44121 or 54221
Elia Mears, MS, MT(ASCP)SM, Chabert Medical Center-LSUHSC, Houma, LA
Level: Basic
Developed in cooperation with Nutrition Division

Installing an Interface for Point-of-Care Testing 44122 or 54222
Deanna Bogner, MS, MT(ASCP), Christus Santa Rosa Health Care, San Antonio, TX
Level: Basic

Tests for Evaluating Fetal Lung Maturity 44124 or 54224
Edward Ashwood, MD, ARUP/Univ. of Utah, Salt Lake City
Level: Basic
Developed in cooperation with Pediatric and Maternal-Fetal Division

Successful Clinical Trials Management: Practical Techniques, Regulations, Roles and Responsibilities 44125 or 54225
Robert Dworschack, PhD, Roche Diagnostics Corp., Indianapolis, IN
Level: Intermediate

MEET THE EXPERTS

10:30am - 11:30am

Attendance in these sessions is strictly limited. Advance registration is highly encouraged.

***In-vivo* Molecular Imaging Diagnostics** 64001
William Clarke, MD, MSc, GE Healthcare, Waukesha, WI
Level: Intermediate
CE Credit: 1

Session Overview: Molecular in-vivo diagnostics is an up-and-coming specialty, an outgrowth of molecular diagnostics and enhanced 21st century imaging technologies. Dr. Clarke will describe this new tool and how it plays a role in directing clinicians towards highly specific in-vivo molecular imaging diagnostics. This session will touch on the convergence of in-vivo and in-vitro diagnostics with new targeted therapies in oncology, for example. This session will provide the opportunity for a more in-depth discussion of the topics raised in the accompanying Plenary session.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the emerging field of molecular in-vivo imaging; 2) Explain the synergy between in-vitro molecular diagnostics tests and molecular in-vivo imaging in different disease states; and 3) understand the utility of and interplay between in-vitro testing and in-vivo imaging in a variety of clinical scenarios including predisposition testing for populations at-risk, residual tumor burden and disease recurrence.

Molecular Pathology Laboratory Testing for Breast Cancer: State of the Art 64002
Matthew Ellis, MD, PhD, Washington Univ. School of Medicine, St. Louis, MO
Level: Intermediate
CE Credit: 1

Session Overview: This interactive session will discuss advances in molecular diagnostics for breast cancer. Dr. Ellis will begin with a short overview of the strengths and weaknesses of the multigene prognostic and predictive tests currently in development. The remainder of the session will be devoted to a participant-led discussion of topics such as the barriers to the application of new tests and technologies and what criteria should be used to implement these approaches into routine clinical.

Expected Outcomes: After attending this session, participants will be able to: 1) better address questions that may arise from clinicians and patients; 2) participate more effectively in institutional discussion regarding the implementation of new breast cancer diagnostics; and 3) decide which technologists and tests can be applied in their own laboratories.

CHAIR'S INVITED SESSION

10:30am – 12noon

Open to all conference participants.

Strategies for Dealing with the Workforce Shortage: A Town Hall Meeting 94101

Moderator: Stephen E. Kahn, PhD, DABCC, FACB, Loyola University Medical Center, Maywood, IL

Level: Intermediate

CE Credit: None

Session Overview: This town hall meeting will explore key strategies for dealing with the growing shortage in the technical workforce — a critical issue in pathology and laboratory medicine. A panel of experts will present unique perspectives on the benefits of automation in improving staff utilization, novel staff recruitment and retention strategies, industry's involvement in addressing this shortage as well as providing new job opportunities, and the role of professional laboratory associations in exercising leadership on these issues through the Coordinating Council for the Clinical Laboratory Workforce. The session also includes an extended question and answer period where participants and panel members can explore constructive solutions for this growing workforce challenge.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the current status of workforce shortage issues in laboratories in the U.S. and the role that professional laboratory associations can play; 2) explain the roles that automation, novel recruitment and retention strategies, and increased educational funding play in providing solutions to address the workforce shortage; and 3) list three new strategies learned that can be taken back to their work setting to address staff shortage challenges.

SPEAKERS

The Role of the Coordinating Council for the Clinical Laboratory Workforce (CCCLW)
Paula Garrott, EdM, CLS(NCA), Univ. of Illinois at Springfield

The Role of Industry in Addressing the Workforce Shortage
Mary Lou Gantzer, PhD, Dade Behring, Newark, DE

The Role of Automation in Making the Best Use of Your Staff
Denise Uettwiller-Geiger, PhD, DLM(ASCP), John T. Maher Memorial Hospital, Port Jefferson, NY

The Role of Novel Staff Recruitment and Retention Strategies
Connie Bishop, MT(ASCP)SH, Core Laboratory, Chapel Hill, NC

FULL DAY SYMPOSIA

10:30am - 12noon and 2:30pm - 5:00pm

Pharmacogenetics Practice Guidelines II: Clinical Utilization of Pharmacogenetics 34301

Moderator: Roland Valdes, Jr., PhD, DABCC, FACB, Univ. of Louisville School of Medicine, KY

Level: Intermediate

CE Credit: 1.5 & 2.5

Developed in cooperation with NACB and AACC's Molecular Pathology and TDM & Toxicology Divisions

Session Overview: The National Academy of Clinical Biochemistry (NACB; The Academy of the AACC) is establishing laboratory management practice guidelines (LMPGs) for the clinical application of pharmacogenetics (PGx) testing in healthcare. This new dynamic discipline of clinical pharmacogenetics has significant potential for reducing serious adverse drug reactions. In this two-day symposia we will review the NACB practice guidelines as developed by experts in this discipline. Evidence-based applications of pharmacogenetics will be presented to support the recommended guidelines and will include a grading of the evidence available. Importantly, these guidelines will also clarify areas where evidence still needs to be strengthened and recommend criteria for providing that evidence. The symposia will provide the audience both insight into this growing clinical laboratory service and an open forum for discussing these guidelines before they are finalized and published. Input from clinical laboratory personnel, the in-vitro diagnostic industry, pharmacists, clinical practitioners and regulatory agencies will be very important in finalizing these practice guidelines in pharmacogenetics.

Expected Outcomes: After attending this session, participants will be able to: 1) cite parameters that are necessary to provide optimum pharmacogenetics testing in specific clinical settings; 2) explain the potential links in the roles of pharmacogenetics and therapeutic drug monitoring in clinical settings; 3) describe and formulate recommended guidelines for clinical laboratories introducing pharmacogenetics testing services; 4) list the necessary parameters for optimizing clinical assays needed in pharmacogenetics testing; and 5) describe recommended parameters for optimizing reimbursement and regulatory functions.

ILLUM-0122

MORNING SPEAKERS

Clinical Practice and Utilization of PGx Information (Part I)
Gualberto Ruano, MD, PhD, Genomas, Inc., Hartford, CT

Clinical Practice and Utilization of PGx Information (Part II)
David Flockhart, MD, PhD, Indiana School of Medicine, Indianapolis

AFTERNOON SPEAKERS

TDM and PGx Interface Considerations
Leslie Shaw, PhD, Hospital of Univ. of Pennsylvania, Philadelphia

Ancillary Considerations for PGx Testing: Forensics, Pharmaceutical Dispensing et al.
Saeed Jortani, PhD, Univ. of Louisville, KY

Regulatory and Reimbursement Considerations
Nam Rahman, Food & Drug Administration, Rockville, MD

HOT TOPIC – CANCER/TUMOR MARKERS

SUNDAY FULL DAY SHORT COURSE 191008
Tumor Markers: How We Use Them in the Clinic and New Developments

MONDAY AFTERNOON SYMPOSIUM 32208
Recent Advances in Clinical Proteomics

MONDAY BROWN BAG SESSION 42110/52210
The "Value Added" Surgical Pathology Report: Integrating Serum Tumor Markers with Histopathology

MONDAY FULL DAY SYMPOSIUM 32303
Health Issues After 40: Preparing the Laboratory to Meet the Demand

TUESDAY MORNING INTERACTIVE WORKSHOP 23101
Adventures in the Gamma Zone

WEDNESDAY AFTERNOON SHORT COURSE 74209
Pharmacogenetics and Cancer Treatment Efficacy

WEDNESDAY BROWN BAG SESSION 44110/54210
Clinical Value of Very Sensitive PSA Measurements Following Prostatectomy

Time and Tide: Technologies That Change Laboratory Medicine 34302

Moderator: Donald Young, MD, PhD, Univ. of Pennsylvania, Philadelphia
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with History of Clinical Chemistry Division

Session Overview: The symposium will highlight notable technologies and events that markedly affected the practice of laboratory medicine. Participants will also gain insight into future trends in the evolution of these technologies and what their impact will be in shaping the future practice of laboratory medicine.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the impact of the AutoAnalyzer in the revolution of diagnostic testing; 2) discuss the evolution of laboratory testing for the diagnosis of myocardial infarction; 3) describe the problems created by AIDS and the impact of molecular diagnostics testing in the management of HIV-infected patients; 4) explain the impact of PCR and Real Time PCR technology in the clinical laboratory; and 5) predict the impact of future developments with each of these technologies.

MORNING SPEAKERS

The AutoAnalyzer and The Revolution of Diagnostic Testing
Jacob Levine, Bayer Healthcare LLC-Diagnostics, Tarrytown, NY

From Early Markers of Cardiac Disease to Troponin and Beyond
Robert Christenson, PhD, DABCC, FACB, Univ. of Maryland Medical Center, Baltimore

AFTERNOON SPEAKERS

The HIV Story From 1982 to 2006
Angie Caliendo, MD, PhD, Emory Univ. Hospital, Atlanta, GA

The Evolution of Chips, Arrays and Their Applications
Larry Kricka, DPhil, FACB, Univ. of Pennsylvania Medical Center, Philadelphia

From PCR to Real-Time PCR and Beyond
Carl Wittwer, MD, PhD, Univ. of Utah, Salt Lake City

Best Practices in Molecular Pathology 34303
Moderator: Vivianna Van Deerlin, MD, PhD, Hospital of the Univ. of Pennsylvania, Philadelphia
Level: Intermediate
CE Credit: 1.5 & 2.5
Developed in cooperation with Molecular Pathology Division

Session Overview: This symposium will focus on best practices in molecular pathology, particularly highlighting the areas of new assay development and implementation, quality control and regulatory issues. Required elements of test reports, standard nomenclature in molecular pathology and issues unique to testing for heritable disorders will also be presented, in part, through use of examples for the development of specific assays.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the different steps of test validation and implementation processes for molecular assays; 2) describe issues related to CPT coding, billing and reimbursement for molecular assays; 3) list the necessary elements of a molecular pathology report and explain the use of standard nomenclature; and 4) identify special issues associated with testing for heritable disorders including proper attention to informed consent requirements.

MORNING SPEAKERS

Bringing New Tests Online: Assay Validation and Implementation
Vivianna Van Deerlin, MD, PhD, Hospital of the Univ. of Pennsylvania, Philadelphia

Assay Validation Success Stories: Issues and Resolutions
Karen Kaul, MD, Evanston Hospital, IL

AFTERNOON SPEAKERS

Regulatory Issues: Coding and Billing for Molecular Pathology
Jeffrey Kant, UPMC Presbyterian, Pittsburgh, PA

Clinical Laboratory Reports in Molecular Pathology
Margaret Gulley, MD, Univ. of North Carolina, Chapel Hill

Unique Issues in the Testing for Heritable Disorders
Wayne Grody, MD, UCLA Medical Center

MORNING SYMPOSIA
10:30am - 12noon

Clinician's Perceptions of Waived Testing: Is There an Impact on Patient Safety? 34104
Moderator: Melissa Pessin-Minsley, MD, PhD, FABP, FCAP, FASCP, Weill Medical College of Cornell Univ., New York, NY
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with AACC Patient Safety Task Force

Session Overview: This symposium will focus on patient safety issues relating to point-of-care testing and, specifically, ensuring the accuracy of results for waived tests. This session will explore the clinician's view of waived testing and focus on possible conceptual/performance errors that users can make. Other issues to be discussed include how industry has addressed the potential pitfalls in waived testing to minimize the occurrence of errors and/or alert the operator (and/or physician) that the given result may be in question.

Expected Outcomes: After attending this session, participants will be able to: 1) explain why the current definition of waived testing leads to misunderstandings by practicing clinicians; 2) identify two critical steps particularly prone to misperformance by clinicians; 3) describe two industry interventions made to minimize clinician error in test performance; and 4) name two actions that POCT laboratorians can take to improve clinician waived-test performance.

SPEAKERS

The Clinician's View of Waived Testing
Melissa Pessin-Minsley, MD, PhD, FABP, FCAP, FASCP, Weill Medical College of Cornell Univ., New York, NY

An Industry Response to Assuring Accuracy in Waived Testing
Speaker to be determined.

ILLUM-0124

Coagulation Testing: The Role of the Laboratory Director in Optimizing Patient Outcome 34105
Moderator: Michael Laposata, MD, PhD, Massachusetts General Hospital, Boston
Level: Intermediate
CE Credit: 1.5

Session Overview: This symposium will present successful strategies to assist ordering physicians in the selection of proper coagulation tests for specific clinical conditions. In this session, information will also be provided on the role of the laboratory director in assisting physicians — who may be unfamiliar with this field and may require assistance in interpreting coagulation test results — so that the correct clinical actions are taken. Software that enables these important practices and strategies will also be described.

Expected Outcomes: After attending this session, participants will be able to: 1) describe how to construct a clinically useful diagnostic algorithm to promote correct test selection; 2) explain how a laboratory director interfaces with clinicians to provide clinically relevant information in the area of coagulation testing; and 3) cite technology solutions that promote interaction between clinicians and the laboratory director in the coagulation area.

SPEAKERS

Enabling Physicians to Order the Right Tests and Correctly Interpret Test results in Coagulation
Michael Laposata, MD, PhD, Massachusetts General Hospital, Boston

Technology Solutions that Promote Correct Test Selection and Enhance Communication with the Clinical Laboratory
Anand Dighe, Massachusetts General Hospital, Boston

Extending Traceability to the Laboratory, EQAS and Proficiency Systems - Advantages, Obstacles and Issues 34106
Moderator: William Koch, PhD, NIST, Gaithersburg, MD
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with Industry Division

Session Overview: Traceability is a continuing hot topic that is currently a top priority in the laboratory setting, due in part, to several parallel and joint efforts in the area of standardization by CLSI, IFCC and ISO. This symposium will highlight the impact of these efforts on quality and patient safety. Particular topics to be explored include "value-added" considerations for establishing traceability as well as reviewing the implications of extending traceability for instrument development, regulations, and accreditation.

Expected Outcomes: After attending this session, participants will be able to: 1) explain the relationship of traceability and quality, and the potential for added value; 2) list the different regulatory and accreditation procedures envisioned for implementing traceability requirements; and 3) describe the resources available to assist laboratories in implementing materials with traceable target values.

SPEAKERS

What Regulatory Obstacles Must be Overcome to Move from Peer-Assigned to Traceable Targets
Steven Gutman, MD, MBA, Food & Drug Administration-CDRH, Rockville, MD

What Changes will Laboratories Have to Make
David Bullock, PhD, FACB, Wolfson EQA Laboratory, Birmingham, United Kingdom

HOT TOPIC – MOLECULAR DIAGNOSTICS/GENOMICS

SATURDAY SPECIAL EVENT
Metabolomic Markers in Diet and Health

SUNDAY FULL DAY INTERACTIVE WORKSHOP 191001
Alphabet Soup - The Hepatitis Viruses

SUNDAY FULL DAY SHORT COURSE 191014
Principles of Molecular Diagnostics

MONDAY BROWN BAG SESSION 42106/52206
An Introductory Overview of Technologies in Molecular Diagnostics

MONDAY BROWN BAG SESSION 42103/52203
Testing for Hepatitis C Virus Infection

MONDAY FULL DAY SYMPOSIUM 32301
Novel Applications of Genomic Profiling

TUESDAY AFTERNOON INTERACTIVE WORKSHOP 23202
High-Resolution DNA Melting Analysis

TUESDAY BROWN BAG SESSION 43108/53208
Homebrews and Alphabet Soup: An Introduction to Molecular Diagnostics Regulatory Issues

WEDNESDAY AFTERNOON SHORT COURSE 74206
The New Tools of Proteomics: Mass Spectrometry and Protein Microarrays

WEDNESDAY BROWN BAG SESSION 44102/54202
Resources for Standardization and Quality in Molecular Diagnostics

WEDNESDAY FULL DAY SYMPOSIUM 34303
Best Practices in Molecular Pathology

WEDNESDAY AFTERNOON SHORT COURSE 74209
Pharmacogenetics and Cancer Treatment Efficacy

WEDNESDAY PLENARY 14001
The Convergence of Diagnostics and the Transformation of Medicine

THURSDAY SYMPOSIUM 35101
Clinical Applications of Liquid Chromatography/Mass Spectrometry

THURSDAY SYMPOSIUM 35102
Nutrigenomics: The Connection Between Nutrition and Genes

MORNING SHORT COURSES
10:30am - 12noon

Glycated Hemoglobin (HbA1c) Measurement and Standardization - A Review 74102
Moderator: Randie Little, PhD, Univ. of Missouri at Columbia
Level: Intermediate
CE Credit: 1.5

Session Overview: This session will give an overview of glycated hemoglobin (HbA1c) measurement — available methods, quality of results, ways to evaluate field precision and accuracy, assay interferences and factors to consider when choosing a method. Different approaches to standardization of HbA1c, including the NGSP and IFCC approaches, will also be discussed.

Expected Outcomes: After attending this session, participants will be able to: 1) identify the major methods for HbA1c analysis and list the weaknesses and strengths of the methods; 2) state the recommendations of the 2002 NACB guidelines for the measurement of HbA1c as well as strategies to meet these recommendations; 3) evaluate data to determine if a method's imprecision is clinically acceptable; and 4) summarize the challenges involved in the standardization of HbA1c as well as the proposed systems for reporting HbA1c.

SPEAKERS

The Current State of HbA1c Testing: Standardization, Assay Methods and Potential Interferences
Randie Little, PhD, Univ. of Missouri at Columbia

QC and QA Aspects of HbA1c Measurements
Trefor Higgins, Dynacare Kasper Medical Laboratory, Edmonton, Canada

Beyond Herbals: The Toxicology of Plants 74103
Moderator: Catherine Hammett-Stabler, PhD, DABCC, FACB, Univ. of North Carolina, Chapel Hill
Level: Intermediate
CE Credit: 1.5
Developed in cooperation with TDM & Toxicology Division

Session Overview: Plant ingestion accounts for 5% of US pediatric poisonings. In many developing countries, poisonous plants are commonly used to commit suicide or homicide. In addition, many of the adverse reactions and events reported following the use of herbal remedies are related to the unintentional substitution of poisonous plants. This session, using case studies and describing antidotes, will address common poisonous plants, clinical manifestations following ingestion, and the role of the laboratory in the treatment of these patients.

Expected Outcomes: After attending this session, participants will be able to: 1) list commonly encountered poisonous plants; 2) list plants commonly misidentified as herbals and substituted inappropriately; 3) discuss the use of the laboratory in patient management; and 4) use Internet and text resources to identify poisonous plants as well as methods of analysis of the inherent toxic compounds.

SPEAKERS

General Overview of Plant Poisonings: Epidemology and Case Presentations
Catherine Hammett-Stabler, PhD, DABCC, FACB, Univ. of North Carolina, Chapel Hill

Role of Clinical Laboratory in Diagnosis of Specific Plant Poisonings and Antidotes
Amitava Dasgupta, PhD, DABCC, NRCC, Univ. of Texas at Houston Medical School

ILLUM-0126

College of American Pathologists' Laboratory Accreditation Program in 2006 74104
Moderator: Nancy Yeransian, MT, (ASCP)SC, College of American Pathologists, Northfield, IL
Level: Intermediate
CE Credit: 1.5

Session Overview: Learn important information regarding changes to the CAP's Laboratory Accreditation Program Chemistry and Point-of-Care Testing Checklists. Participants will be able to take home practical examples and recommendations for complying with the recent changes to the checklists.

Expected Outcomes: After attending this session, participants will be able to: 1) recognize recent changes to the LAP Chemistry and Point-of Care Testing Checklists; and 2) explain the rationale behind the changes and what constitutes compliance.

SPEAKERS

New Directions
Nancy Yeransian, MT, (ASCP)SC, College of American Pathologists, Northfield, IL

Checklist Update
William Castellani, BS, MD, Penn State Hershey Medical Center, Hershey

Statistical and Graphical Tools for the Laboratory 74105
Moderator: Kristian Linnet, MD, PhD, Univ. of Copenhagen, Denmark
Level: Intermediate
CE Credit: 1.5

Session Overview: The session is intended to inspire and motivate the participants in statistics-based understanding of test performance. From graphical analysis to method evaluation, the audience will travel through the respective statistics and graphics, learning them "enpassant."

Expected Outcomes: After attending this session, participants will be able to: 1) understand the statistical concepts underlying laboratory testing and method evaluation (Bland-Altman, Deming regression); and 2) use graphical analysis to evaluate laboratory data.

SPEAKERS

Graphical Analysis of Data
Dietmar Stockl, PhD, STT Consulting, Horebeke, Belgium

Method Evaluation by Bland-Altman Procedure and Deming Regression
Kristian Linnet, MD, PhD, Univ. of Copenhagen, Denmark

CHAIR'S INVITED SESSION

2:30pm – 4:00pm
Open to all conference participants

Patient Education in the 21st Century: An Open Forum 94201
Moderator: George Linzer, AACC, Washington, DC
Level: Basic
CE Credit: None
Session Overview: Personalized and preventive medicine, the aging Baby Boomer generation, and increased fears of a pending public health crisis are all contributing to a greater need for reliable patient education. The exponential growth of healthcare information published on the Internet, however, is making it difficult for patients to find trusted sources. In this context, Lab Tests Online and other credible medical resources attempt to inform, educate, and reassure patients and their families with clearly written, science-based information. Join us as a panel of thought leaders discuss the benefits and challenges of educating patients in the 21st century, with a particular focus on helping patients understand the role laboratory medicine plays in healthcare.
Expected Outcomes: After the session, attendees will be able to: 1) describe the landscape in which the patient is attempting to assimilate health information; 2) characterize the value of promoting a clear health objective in patient communications; and 3) describe the best practices for communicating health information online.

SPEAKERS

Patient Education as a Public Health Mission
David Sundwall, MD, Utah State Department of Health, Salt Lake City

A Watchdog's Perspective: Helping the Patient Find Quality Information
Beau Brendler, Consumer Reports WebWatch, Yonkers, NY

New Models for Patient Education in a Personalized Medicine World
Patrick F. Terry, Personalized Medicine Coalition, Washington, DC

Patient's Viewpoint: Finding Quality Information
Karyn Williams, RN, Pancreatitis Association International, Indianapolis, IN

A Physician's Perspective on Patient Education
Kenneth Goodman, MD, Cleveland Clinic, Beachwood, OH

AFTERNOON SYMPOSIA
2:30pm - 5:00pm

Healthcare Forum: Legislative, Regulatory and Workforce Issues 34207
Moderator: Don Lavanty, JD, J.T. Rutherford and Associates, Arlington, VA
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with Government Relations Committee and American Society for Clinical Laboratory Science

Session Overview: The Healthcare Forum provides laboratorians with up-to-date information on key issues affecting the clinical laboratory. This year, this symposium will focus on the Federal government's ongoing efforts to eliminate medical errors, as well as its plan to create a technology-based network for sharing health information, and such a network's potential impact on laboratory operations. This session will also review proposals to modernize the Medicare program through competitive bidding and the adoption of pay for performance measures. Finally, the Forum will describe efforts of the laboratory community to address its ongoing staffing shortage.

Expected Outcomes: After attending this session, participants will be able to: 1) outline new government efforts to reduce medical errors and develop a plan for their participation in these endeavors; 2) describe health information technology changes that are on the horizon and how they will affect clinical laboratories; 3) list new payment initiatives under consideration by Medicare; and 4) describe private and public sector initiatives that are being advanced to address the laboratory staffing shortage.

SPEAKERS

Medical Errors — Seven Years Later
Marge Keyes, MA, Agency for Healthcare Research and Quality, Rockville, MD

Health IT and the Clinical Lab
Jay Jones, PhD, DABCC, FACB, Geisinger Health System, Danville, PA

What's on the Horizon with Medicare Modernization
Peter Kazon, Esq, Alston & Bird, Washington, DC

Ongoing Efforts to Alleviate the Staffing Shortage
Elissa Passiment, EdM, CLS (NCA), ASCLS, Bethesda, MD

Acute Coronary Syndromes: The Complete Story
34208
Moderator: David Morrow, MD, MPH, Brigham & Women's Hospital, Boston, MA
Level: Intermediate
CE Credit: 2.5

Session Overview: This symposium will focus on the acute coronary syndromes (ACS) and the use of cardiac biomarkers to guide clinical management of ACS patients. This session has been developed to create an innovative educational program that will bring together the perspectives of an emergency medicine physician, a clinical cardiologist, an interventional cardiologist and a biochemist to consider the appropriate management of the ACS patient.

Expected Outcomes: After attending this session, participants will be able to: 1) identify the key aspects of clinical management — in the emergency department and cardiology wards — of patients with suspected ACS; 2) discern, with enhanced insight, the role of laboratory services in the optimal care of patients with suspected ACS; and 3) list unmet clinical needs that could be more effectively addressed with enhancements to testing capabilities for cardiac biomarkers.

SPEAKERS

ACS — The Emergency Physician's View
W. Frank Peacock, MD, Cleveland Clinic, OH

ACS — The General Cardiologist's View
David Morrow, MD, MPH, Brigham & Women's Hospital, Boston, MA

ACS — The Interventional Cardiologist's View
Warren Cantor, MD, St. Michael's Hospital, Univ. of Toronto, Canada

ACS — The Biochemist's View
Robert Christenson, PhD, DABCC, FACB, Univ. of Maryland Medical Center, Baltimore

ILLUM-0128

AFTERNOON INTERACTIVE WORKSHOP
2:30pm - 5:00pm

Training and Competency Testing of Clinical Laboratory Personnel 24201
Moderator: Jeanne Carr, PhD, MT(ASCP), BCLD, St. Jude Children's Research Hospital, Memphis, TN
Level: Basic
CE Credit: 2.5
Developed in cooperation with the Management Sciences and Molecular Pathology Divisions

Session Overview: This interactive workshop will introduce practical topics and items for discussion: developing training checklists; setting guidelines for training new techs (techs transferring from other disciplines, current staff on new procedures, instrument training, and routine competency); setting guidelines for acceptable performance; and action for unacceptable performance. The emphasis areas will be Molecular Pathology, Virology and Hematology; however, the concepts and forms are adaptable for other laboratory disciplines. Attendees will be asked to participate in an open exchange of their experiences and ideas on this topic.

Expected Outcomes: After attending this session, participants will be able to: 1) recognize the difference between training and competency; 2) design a program for initial training of laboratory personnel; 3) design a program for competency assessment; and 4) modify the session's example forms for use in their own institutions.

SPEAKERS

Designing a Program for Training and Competency Testing of Medical Laboratory Personnel
Jeanne Carr, PhD, MT(ASCP), BCLD, St. Jude Children's Research Hospital, Memphis, TN

A Review of Regulatory Agencies' Requirements for Training and Competency Testing of Medical Laboratory Personnel
Richard Warren, BS, MHA, MT(ASCP)SH, DLM, Memphis, TN

AFTERNOON SHORT COURSES
2:30pm - 5:00pm

The New Tools of Proteomics: Mass Spectrometry and Protein Microarrays 74206
Moderator: Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, Canada
Level: Intermediate
CE Credit: 2.5

Session Overview: This session will describe the various types of mass spectrometry instrumentation used in proteomics as well as the principles and application of protein microarrays.

Expected Outcomes: After attending this session, participants will be able to: 1) describe how mass spectrometry works, especially as it applies to protein analysis; 2) explain the principles behind the various types of instrumentation available and their advantages and disadvantages; 3) select which types of devices are more appropriate to solve specific proteomic questions; and 4) determine how protein microarrays can aid in the development of novel diagnostic technologies.

SPEAKERS

Mass Spectrometry: Past, Present and Future
Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, Canada

Protein Microarrays: Their Application in Clinical Diagnostics
Vathany Kulasingam, Mount Sinai Hospital, Toronto, Canada

Clinical Utilization of Laboratory Data: Using POC Glucose Data to Support Tight Glycemic Control 74207
Moderator: Gail Kongable, MSN, FNP, The Epsilon Group, Charlottesville, VA
Level: Basic
CE Credit: 2.5
Developed in cooperation with Critical and Point-of-Care Testing Division

Session Overview: This session will review diabetes disease management through hospital implementation of tight glycemic control programs in hospitals. The laboratorian is often not included in the initial discussions and may be brought in late in the planning stage. Requests for data to support patient and disease management place increasing demands on laboratory personnel. This session will address the laboratory's role and the appropriate use of tight glycemic control protocols for various areas within a healthcare setting.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the pathophysiology of hyperglycemia and its impact on hospitalized patients; 2) explain the basic components and pitfalls of a tight glycemic control program; 3) discuss how laboratory data can be used for discovery of new evidence in Diabetes Care Management; 4) evaluate the appropriate use of tight glycemic control initiatives within various areas of the healthcare setting; and 5) understand the evidence in the medical literature supporting the adoption of tight glycemic control protocols in critically ill patients.

SPEAKERS

The Pathophysiology of Hyperglycemia and its Affect on Hospitalized Patients
Gail Kongable, MSN, FNP, The Epsilon Group, Charlottesville, VA

Understand the Evidence in The Medical Literature Supporting The Adoption of Tight Glycemic Control Protocols in Critically Ill Patients
James Kringsley, MD, Stamford, CT

Clinical Utilization of Laboratory Data: Using POC Glucose Data to Support Tight Glycemic Control
Denise Zito, Medical Automation Systems, Charlottesville, VA

A cLEAN Bill of Health for Your Lab: Recognizing Waste and Identifying Improvement Opportunities 74208
Moderator: Michele Long, Ortho-Clinical Diagnostics, Raritan, NJ
Level: Intermediate
CE Credit: 2.5

Session Overview: This session utilizes simulation exercises to educate participants in concepts of Process Excellence through Lean and Six Sigma. Registrants will learn of opportunities for improvement in their own facilities as well as how to choose the right metrics to measure and monitor performance.

Expected Outcomes: After attending this session, participants will be able to: 1) define the basic concepts of Process Excellence; 2) select possible metrics to measure and monitor performance; 3) list possible process improvement goals; and 4) effectively utilize best practices and benchmark data.

SPEAKER

A cLEAN Bill of Health for Your Lab
Chetan Shukla, Pembroke Pines, FL

Pharmacogenetics and Cancer Treatment Efficacy 74209
Moderator: Barbara Zehnbauer, PhD, FACMG, Washington Univ. School of Medicine, St. Louis, MO
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with the Molecular Pathology Division

Session Overview: Molecular diagnostic methods have focused upon detection of tumor-specific genetic signatures for diagnosis, prognosis, and minimal residual disease detection. This session will help participants understand how the pharmacogenetic variations in the genome of the cancer patient can be used to select treatment, predict response to anti-cancer drugs, and maximize overall therapeutic outcome.

Expected Outcomes: After attending this session, participants will be able to: 1) recognize the difference between tumor-specific and patient-specific genetic changes; 2) describe the relationship between the anti-cancer drug on the tumor cells and the genes that regulate metabolism of the anti-cancer drug; and 3) explain how the genome of the patient can influence the response to an anti-cancer treatment.

SPEAKERS

Colorectal Cancer Pharmacogenetics
Howard McLeod, PharmD, Washington Univ. School of Medicine, St. Louis, MO

Breast Cancer Pharmacogenetics
Matthew Ellis, MD, PhD, Washington Univ. School of Medicine, St. Louis, MO

Pharmacogenomics of Cancer Chemotherapy
Barbara Zehnbauer, PhD, FACMG, Washington Univ. School of Medicine, St. Louis, MO

ILLUM-0130

How to Minimize Personal and Laboratory Litigation Risk 74210

Moderator/Speaker: Pennell Painter, PhD, Univ. of Tennessee Medical Center, Knoxville

Level: Intermediate

CE Credit: 2.5

Session Overview: In the current climate where lawsuits can be easily filed, many laboratories, laboratory personnel and diagnostic companies are finding that adverse patient experiences increasingly lead to litigation. This session will provide participants with an understanding of how principles of risk management can be applied to their laboratory and to their job. Examples of lawsuits against laboratories, lab personnel and IVD companies will be presented. These examples serve to illustrate activities that increase exposure. Ideas to decrease litigation exposure and minimize the likelihood of adverse patient experiences will be presented.

Expected Outcomes: After attending this session, participants will be able to: 1) perform risk assessments on activities they and their laboratory are doing with the goal of reducing adverse patient experiences and risk of litigation; and 2) recognize opportunities for adverse patient experience and other litigation risks and understand how those risks can be mitigated.

HOT TOPIC – MANAGEMENT/FINANCIAL/OUTREACH

SUNDAY AFTERNOON SHORT COURSE 191015
How Laboratorians Can Gain Hospital Executives' Support for Implementing Laboratory Automation Technology

SUNDAY AFTERNOON SHORT COURSE 191013
Service Excellence Is Sweeping Through Healthcare: Applying These Principles In Laboratory Management

SUNDAY AFTERNOON INTERACTIVE WORKSHOP 191007
Solving Day-To-Day Management Challenges: Case Histories & Applications

SUNDAY FULL DAY SHORT COURSE 191012
Concepts and Practices in the Evaluation of Laboratory Methods

MONDAY AFTERNOON INTERACTIVE WORKSHOP 22203
Having Problems Communicating With Your Staff? Find Out Why And How To Fix It!

MONDAY AFTERNOON SYMPOSIUM 32209
Risk Management - A Practical Approach to a Quality POCT Program

MONDAY BROWN BAG SESSION 42111/52211
Communicating for Success

MONDAY BROWN BAG SESSION 42117/52217
Laboratory Outreach Programs: Competing on Service

MONDAY AFTERNOON SHORT COURSE 72211
Successful Community Laboratory Outreach

MONDAY AFTERNOON SHORT COURSE 72209
Clinical Laboratory Informatics and the Electronic Health Record

TUESDAY BROWN BAG SESSION 43118/53218
Role of the Clinical Laboratory in Clinical Trials for the Development of Drugs by the Pharmaceutical Industry

TUESDAY MORNING SHORT COURSE 73105
Increasing Productivity Through Effective Time Management

TUESDAY AFTERNOON SHORT COURSE 73211
How Any Lab Can Be Better - For Everyone

TUESDAY AFTERNOON SHORT COURSE 73213
How to Minimize Personal and Laboratory Litigation Risk

TUESDAY MORNING SHORT COURSE 73106
Clinical Laboratory Method Evaluation: How Do CLSI Guidelines Compare With Contemporary Practice?

TUESDAY FULL DAY SHORT COURSE 73303
Business Opportunities for Clinical Labs in Pharmaceutical Discovery and Development

TUESDAY AFTERNOON SYMPOSIUM 33206
Best Practices for the Operation and Management of Point of Care Testing

TUESDAY AFTERNOON SHORT COURSE 73209
Laboratory Ambassadors: Agents of Change for Improved Service, Patient Safety, and Morale

WEDNESDAY AFTERNOON SHORT COURSE 74208
A "Clean" Bill of Health for Your Lab: Recognizing Waste and Identifying Improvement Opportunities

WEDNESDAY BROWN BAG SESSION 44108/54208
Laboratory Automation, If I Knew Then What I Know Now

WEDNESDAY MORNING SHORT COURSE 74104
College of American Pathologists' Laboratory Accreditation Program in 2006

WEDNESDAY AFTERNOON INTERACTIVE WORKSHOP 24201
Training and Competency Testing of Clinical Laboratory Personnel

WEDNESDAY BROWN BAG SESSION 44116/54216
Effective Implementation of POCT in the Healthcare Setting

WEDNESDAY AFTERNOON SYMPOSIUM 34207
Healthcare Forum: Legislative, Regulatory and Workforce Issues

THURSDAY SYMPOSIUM 35103
Making Sense of the Alphabet Soup of Laboratory Regulations

THURSDAY SYMPOSIUM 35104
A New Level of Quality Management in Clinical Laboratories Through ISO Standards, Lean Principles and Design For Six Sigma

THURSDAY'S SCHEDULE

8:00am – 10:00am
Point-of-Care Coagulation Testing
Annual POC Coordinator's Forum
McCormick Place Convention Center

8:30am – 2:00pm
Expo Open

9:30am – 12noon
Symposia

12:30pm – 2:00pm
Plenary Session

PLENARY SESSION
12:30pm - 2:00pm

Mitochondria: The Missing Link Among Degenerative Diseases, Cancer and Aging, and the Next Molecular Diagnostics Frontier 15001

Douglas Wallace, PhD, MAMMAG, Irvine, CA

Level: Basic

CE Credit: 1

Session Overview: Mitochondrial analysis has allowed the exploration of the relationship between human evolution and some of the most common and disabling diseases, including diabetes, Alzheimer's disease, seizure disorders and Parkinson's disease. The degenerative effects of aging itself may largely be fueled by accumulated mitochondrial mutations and the resulting malfunction of organs and systems throughout the body. Many mtDNA malfunctions have their roots in evolutionary adaptations hidden in the history of the human species. This Plenary session will allow attendees to better understand the relationship between mitochondrial function, mitochondrial mutations, and the likelihood of specific disorders.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the role of mitochondria in normally functioning cells; 2) explain how mutations in mitochondrial DNA can lead to disease; and 3) list the ways in which mitochondrial research can lead to further understanding of major diseases as well as the aging process.

MORNING SYMPOSIA
9:30am - 12noon

Nutrigenomics: The Connection Between Nutrition and Genes 35102
Moderator: Elia Mears, MS, MT(ASCP)SM, Chabert Medical Center-LSUHSC, Houma
Level: Basic
CE Credit: 2.5
Developed in cooperation with the Lipoproteins & Vascular Diseases, Molecular Pathology, TDM & Toxicology, and Nutrition Divisions

Session Overview: The strong relationship among nutrition, health and disease is well known. This symposium will focus on nutritional genomics, or nutrigenomics, an emerging field for studying the interaction between genomics and nutrient metabolism. A key aspect that will be discussed is the analysis of intricate relations among diet, genetics and metabolism. Rationale for the use of individual genomic information — as it relates to demographic, physiological and environmental measures in response to controlled dietary interventions — will be provided as it is necessary to guide personalized diet prescriptions and maximize clinical outcomes.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the developments in human genetics that apply to complex chronic disorders; 2) describe the interplay between nutrition and genetics; 3) explain the interaction between genetic and environmental factors that determine the expression of risk factors and disease; and 4) describe how nutritional systems biology utilizing knowledge of the genome and new technologies can provide new opportunities for disease prevention.

SPEAKERS

Nutrigenetics, Lipid Metabolism and Cardiovascular Disease
Jose Ordovas, PhD, USDA Human Nutrition Research Center on Aging, Boston, MA

Nutritional Systems Biology
Ben van Ommen, TNO Quality of Life, Zeist, the Netherlands

Nutrigenomics: Opportunities and Challenges in Cancer Prevention
John Miler, PhD, Chief, Nutritional Science Research Group, National Institutes of Health, Rockville, MD

Clinical Applications of Liquid Chromatography/Mass Spectrometry 35101
Moderator: Alan Wu, PhD, DABCC, San Francisco General Hospital, CA
Level: Intermediate
CE Credit: 2.5

Session Overview: This symposium will focus on the latest applications of liquid chromatography/mass spectrometry (LC/MS) in the areas of clinical chemistry, toxicology and endocrinology.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the role of LC/MS for an expanded urine drug testing panel; 2) list the limitations of immunoassays for steroid assays and how LC/MS offers a more accurate alternative for their measurement; 3) explain the role of LC/MS for testing novel immunosuppressant drugs; and 4) describe how LC/MS can be effectively used in newborn screening programs.

SPEAKERS

LC/MS for Steroid Analysis
Steven Soldin, PhD, Georgetown Clinical Research Center, Washington, DC

LC/MS for Genetic Disease Detection
Kenneth Pass, PhD, Wadsworth Center, NYS DOH, Albany, NY

LC/MS for Drugs of Abuse Testing
Judith Stone, PhD, ABCC, San Francisco General Hospital, CA

ILLUM-0134

Making Sense of the Alphabet Soup of Laboratory Regulations 35103

Moderator: Linnea Baudhuin, PhD, Mayo Clinic, Rochester, MN
Level: Basic
CE Credit: 2.5
Developed in cooperation with Society for Young Clinical Laboratorians

Session Overview: This symposium will focus on the federal regulation of laboratory testing principally through the Clinical Laboratory Improvement Amendments of 1988 (CLIA 88) regulations. Additional topics to be discussed include how the Joint Commission on the Accreditation of Health Organizations (JCAHO) standards impact the clinical laboratory as well as how the laboratory accreditation program of the College of American Pathologists (CAP) contributes to ensuring the quality of laboratory services.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the regulatory steps involved in establishing a new testing site; 2) describe the latest requirements for CLIA '88 compliance; 3) describe the evolution and relationship of the significant regulatory and accreditation agencies; and 4) explain the mission and purpose of the CAP Laboratory Accreditation Program.

SPEAKERS

JCAHO — Explained and Understood
Megan Sawchuk, Joint Commission on Accreditation, Oakbrook Terrace, IL

CAP Laboratory Accreditation Program
Nancy Yeransian, MT, (ASCP)SC, College of American Pathologists, Northfield, IL

CLIA 2006 Update: The Latest!
Sharon Ehrmeyer, PhD, Univ. of Wisconsin, Madison

A New Level of Quality Management in Clinical Laboratories Through ISO Standards, LEAN Principles and Design for Six Sigma 35104

Moderator: James Love, Jr., PhD, DABCC, JL Consulting Services, Penfield, NY
Level: Basic
CE Credit: 2.5
Developed in cooperation with the Industry and Management Sciences Divisions

Session Overview: This symposium will explore the value in integrating ISO 15189-based accreditation and ISO 9001:2000 certification to assure optimal effectiveness of a laboratory's quality management system. This session will also focus on the use of these ISO standards in conjunction with that of LEAN and Design for Six Sigma techniques for development of new processes and systems which can help laboratorians further enhance the quality and effectiveness of test results.

Expected Outcomes: After attending this session, participants will be able to: 1) describe how to use a step-by-step approach to implement ISO Standards; 2) identify the gains of successfully implementing an ISO-based quality management system; 3) list the 7 categories of waste according to LEAN theory; 4) cite 3 key non-negotiable principles of LEAN that should be utilized when building criteria for making new process and equipment decisions; 5) describe how to apply the 4-step Design for Six Sigma (DFSS) process; and 6) determine whether DMAIIC or DFSS will be the more appropriate process improvement technique to use in their laboratory setting.

SPEAKERS

ISO 15189 and ISO 9001 in the Clinical Laboratory: A New Quality Management System Approach.
Rogerio Rabelo, MD, PhD, MBA, Fleury Diagnostics, São Paulo, Brazil

Where Do We Go From LEAN?
Maureen Harte, MT (ASCP), Six Sigma Master Black Belt, Ortho-Clinical Diagnostics, Salt Lake City, UT

New Approaches in Six Sigma for the Clinical Laboratory.
Carl Garber, PhD, Quest Diagnostics, Incorporated, Lyndhurst, NJ

Contemporary Therapeutic Drug Management: Merging Pharmacogenomics, Biomarkers, Drug Concentrations, and Informatics to Improve Patient Care. 35105
Moderator: William Clarke, PhD, Johns Hopkins Medical Institutions, Baltimore, MD
Level: Intermediate
CE Credit: 2.5
Developed in cooperation with TDM & Toxicology Division

Session Overview: This session will provide attendees with a contemporary view of the key aspects in therapeutic drug management. Participants will learn how individualization and optimization of drug therapy for patients can lead to an improved understanding of new tools from key disciplines including pharmacogenomics, biomarkers, informatics, pharmacokinetic modeling, and the traditional determinations of serum drug concentrations.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the processes and variables that contribute to inter- and intra-patient differences in serum drug concentrations at the same dosages; 2) list the most appropriate specimens for therapeutic drug management; 3) describe the use of emerging therapeutic drug management tools including pharmacogenomics, biomarkers, and informatics, as well as traditional drug concentration determination; and 4) describe how application of contemporary tools can improve individualization of pharmacotherapy.

SPEAKERS

Review of Pharmacogenetic Testing for TDM Today
Gwen McMillin, ARUP Laboratories and Univ. of Utah, Salt Lake City

Biomarker Discovery and Testing for TDM Today
William Clarke, PhD, Johns Hopkins Medical Institutions, Baltimore, MD

Interpretation of TDM Results: Assistance from Informatics, PK Software, and More
Sander Vinks, PharmD, PhD, FCP, Cincinnati, OH

Laboratory Evaluation of Endocrine Function 35106
Moderator: Anthony Butch, PhD, DABCC, Geffen School of Medicine at UCLA, Los Angeles, CA
Level: Intermediate
CE Credit: 2.5

Session Overview: This symposium will provide an overview of thyroid, adrenal and pituitary gland physiology as well as the key clinical manifestations during endocrine dysfunction. Application of currently available tests for diagnosing dysfunction and disease will be discussed, with an emphasis on appropriate test selection, interpretation of test results, and potential analytical issues that must be considered.

Expected Outcomes: After attending this session, participants will be able to: 1) describe the anatomy and physiology of the thyroid, adrenal and pituitary glands; 2) identify clinical manifestations associated with altered endocrine function; 3) select the appropriate test and understand the principles behind tests that are currently used in endocrinology laboratories; and 4) interpret and explain the limitations of each test described.

SPEAKERS

A Look Inside the Adenohypophysis: Laboratory Assessment of Anterior Pituitary Function
Dennis Dietzen, PhD, DABCC, St. Louis Children's Hospital, St. Louis, MO

Frontiers in Thyroid Function Testing
Anthony Butch, PhD, DABCC, Geffen School of Medicine at UCLA, Los Angeles, CA

The Intermediate and Posterior Pituitary Lobe: Neuroendocrine, Clinical and Diagnostic Implications
Geza Bodor, MD, DABCC, Denver Health Medical Center & Univ. of Colorado Health Sciences Center, Denver

At this year's Annual Meeting, you can take advantage of others' experiences via Case Study sessions.

Education experts tell us that "learning by doing" is one of the most effective ways to retain information. The presenters of the following sessions have indicated they will include case study presentations. Some invite participants to bring their own cases for group discussion.

Alphabet Soup - The Hepatitis Viruses 191001
Sunday Full Day Interactive Workshop: AACC University *(page 14)*

Perspective and Tools: How to Interpret PGx Testing 191003
Sunday Full-Day Interactive Workshop: AACC University *(page 14)*

Tumor Markers: How We Use Them in the Clinic and New Developments 191008
Sunday Full Day Short Course: AACC University *(page 15)*

Biomarkers for Detection of Myocardial Injury, Risk Stratification and Heart Failure 191016
Sunday Full Day Short Course: AACC University *(page 18)*

Hemoglobinopathies and Thalassemias: A Case Study Approach 191002
Sunday Afternoon Interactive Workshop: AACC University *(page 19)*

Hot Topics in Point-of-Care Testing 191005
Sunday Afternoon Interactive Workshop: AACC University *(page 19)*

Solving Day-To-Day Management Challenges: Case Histories & Applications 191007
Sunday Afternoon Interactive Workshop: AACC University *(page 20)*

The Opportunities and Pitfalls of Using Information Technology to Decrease Postanalytic Errors 32105
Monday Morning Symposium *(page 29)*

Veterinary Hematology: The Diagnostic Power of Peripheral Blood and Bone Marrow Evaluation 22101
Monday Morning Interactive Workshop *(page 30)*

Clinical Toxicology Cases 22102
Monday Morning Interactive Workshop *(page 30)*

How to Eliminate False Positive and False Negative Results in Clinical Chemistry Laboratories 72210
Monday Afternoon Short Course *(page 35)*

Successful Community Laboratory Outreach 72211
Monday Afternoon Short Course *(page 35)*

Adventures in the Gamma Zone 23101
Tuesday Morning Interactive Workshop *(page 46)*

Best Practices for the Operation and Management of Point-of-Care Testing 33206
Tuesday Afternoon Symposium *(page 47)*

How Any Lab Can Be Better — For Everyone 73211
Tuesday Afternoon Short Course *(page 51)*

Beyond Herbals: The Toxicology of Plants 74103
Wednesday Morning Short Course *(page 60)*

Saturday, July 22, 2006

8:00am – 5:00pm
ABCC Exams
Hyatt Regency Chicago

1:00pm – 4:00pm
CPOCT Certificate Program Committee Task Force Meeting
Hyatt Regency Chicago

1:00pm – 5:00pm
AACC House of Delegates Meeting
Hyatt Regency Chicago

5:00pm – 9:00pm
Issues in Immunodiagnostics Symposium
Hyatt Regency Chicago

5:30pm – 8:30pm
Management Sciences Division Reception and Leadership Seminar
Hyatt Regency Chicago

5:30pm – 9:00pm
Metabolomic Markers in Diet and Health Joint Division Symposium
Hyatt Regency Chicago

6:00pm – 10:00pm
CPOCT Executive Committee Meeting
Hyatt Regency Chicago

Sunday, July 23, 2006

9:00am – 10:30am
Clinical Chemistry Journal Board of Editors Meeting
Hyatt Regency Chicago

1:30pm – 3:00pm
Division Awards and Networking Session
Hyatt Regency Chicago

2:00pm – 4:00pm
NGSP Steering Committee Meeting
Hyatt Regency Chicago

6:30pm – 7:30pm
AACC Annual Meeting Opening Mixer
Hyatt Regency McCormick Place

7:30pm – 8:30pm
Joint Reception of the TDM/Tox and the Molecular Pathology Divisions
Hyatt Regency Chicago

Monday, July 24, 2006

7:00am – 9:00am
University HealthSystem Consortium Lab Council Steering Committee Meeting
Hyatt Regency Chicago

8:00am – 12noon
NRCC Certification Exams
Hyatt Regency Chicago

8:00am – 12noon
ABCC Board of Directors Meeting
Hyatt Regency Chicago

8:00am – 5:00pm
University HealthSystem Consortium Lab Council Meeting
Hyatt Regency Chicago

8:30am – 10:00am
International Advisory Group
Hyatt Regency Chicago

10:30am – 12noon
CLSI's Commitment to Quality: Progress on Alternative Quality Control
Hyatt Regency McCormick

12noon – 1:00pm
CPOCT Industry Liaison Committee Meeting
Hyatt Regency Chicago

12noon – 1:30pm
AACC Annual Meeting of the Membership
McCormick Place Convention Center

12noon – 4:00pm
LISMI Membership Meeting
Hyatt Regency Chicago

1:30pm – 3:00pm
NACB Board Meeting
Hyatt Regency Chicago

Monday, July 24, 2006 *(continued)*

2:00pm – 4:30pm
Student Oral Presentations and Poster Contest
McCormick Place Convention Center

2:30pm – 4:30pm
NGSP Manufacturer Forum
Hyatt Regency Chicago

3:00pm – 5:30pm
NRCC Board of Directors Meeting
Hyatt Regency Chicago

3:00pm – 6:00pm
IFCC Working Group on Standardization of Thyroid Function Tests
Hyatt Regency Chicago

4:30pm – 6:30pm
California Local Sections Mixer
Networks Bar & Lounge, Hyatt Regency McCormick Place

5:00pm – 5:30pm
ABCC Forum: What Are the Benefits of ABCC Certification?
Hyatt Regency Chicago

5:30pm – 6:30pm
SYCL Networking Reception
Hyatt Regency Chicago

5:30pm – 9:30pm
Annual LVD Annual Dinner Meeting and Mixer: Current Topics in Cardiovascular Disease and Stroke
Hyatt Regency Chicago

6:00pm – 7:00pm
International Reception
Hyatt Regency Chicago

6:00pm – 7:30pm
ABCC Reception
Hyatt Regency Chicago

ILLUM-0138

Tuesday, July 25, 2006

7:00am – 9:00am
Local Section Chairs and Chairs Elect Breakfast
Hyatt Regency Chicago

7:30am – 9:30am
AICCNA Breakfast Meeting
Hyatt Regency Chicago

8:00am – 12noon
OEM Lecture Series
McCormick Place Convention Center

10:00am – 11:30am
DACC Executive Meeting
Hyatt Regency Chicago

11:30am – 2:30pm
CLSI Area Committee on Clinical Chemistry and Toxicology
Hyatt Regency McCormick

12noon – 2:00pm
DACC General Meeting
Hyatt Regency Chicago
Congratulations to the AACC Division of Animal Clinical Chemistry Celebrating 30 Years, 1976 - 2006

12noon – 3:00pm
IFCC Corporate Members Meeting
Hyatt Regency Chicago

12noon – 4:30pm
History Division Executive Committee Meeting
Hyatt Regency Chicago

Tuesday, July 25, 2006 *(continued)*

12:30pm – 2:00pm
Midwest Section Business Meeting and Luncheon
Hyatt Regency Chicago

12:30pm – 2:00pm
Proteomics Division Luncheon
Hyatt Regency Chicago

1:00pm – 2:00pm
Pediatric and Maternal-Fetal Division Reference Range Initiative Meeting
Hyatt Regency Chicago

5:00pm – 6:00pm
CPOCT Annual General Meeting
Hyatt Regency Chicago

5:00pm – 6:00pm
Molecular Pathology Division General Membership Meeting
Hyatt Regency Chicago

5:00pm – 7:00pm
Washington University Clinical Chemistry Alumni Reception
Hyatt Regency Chicago

6:00pm – 8:00pm
CPOCT Division Mixer
Hyatt Regency Chicago

Wednesday, July 26, 2006

8:00am – 12noon
OEM Lecture Series
McCormick Place Convention Center

12:30pm – 2:15pm
NACB Awards Luncheon and Membership Meeting
Hyatt Regency Chicago

3:00pm – 5:00pm
BMA Seminar
Hyatt Regency Chicago

4:30pm – 5:30pm
Van Slyke Foundation Reception
Hyatt Regency Chicago

6:00pm – 7:00pm
Industry Division Membership Meeting
Hyatt Regency Chicago

Thursday, July 27, 2006

8:00am – 10:00am
Point-of-Care Coagulation Testing Annual POC Coordinator's Forum
McCormick Place Convention Center

Please check the AACC Annual Meeting website at www.aacc.org/2006am for the most up-to-date schedule.

Issues in Immunodiagnostics Symposium: Organ Transplantation and the Clinical Laboratory – What's on the Horizon

Saturday, July 22
5:00pm – 9:00pm
Hyatt Regency Chicago Hotel

Sponsored by the AACC Clinical & Diagnostic Immunology Division

Supported by an educational grant from Bayer HealthCare LLC, Diagnostics Division

Overview: This year's Issues in Immunodiagnostics Symposium will examine new technologies and strategies for managing the immune system of organ transplant recipients to optimize allograft survival and recipient outcomes.

- Immunosuppression or Allograft Tolerance—Which Way to Go?
  Edward K. Geissler, PhD, University of Regensburg, Department of Surgery
- Applications of Pharmacogenomics in the Transplant Recipient
  Gilbert Burckart, Pharm.D, University of Southern California, School of Pharmacy

Registration: $15 CDI Division Members; $35 AACC Members; $50 AACC non-Member. Your registration includes a light dinner at 5:00, scientific sessions at 6:15, and dessert with coffee/tea following the presentation.

Register online at www.aacc.org/2006AM . Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods. CDID members must register by fax, mail or onsite to get the discounted Division member fee.

11th Annual Management Sciences Division Leadership Seminar: The Truth about Quality Today

Saturday, July 22
5:30pm – 8:30pm
Hyatt Regency Chicago Hotel

Sponsored by the AACC Management Sciences Division

Overview: The 11th annual leadership seminar will feature a presentation by Dr. James Westgard of the University of Wisconsin Medical School, Madison, WI.

Registration: $15 AACC Member/Non-member. Your registration includes a reception at 5:30 and scientific session at 6:30.

Register online at www.aacc.org/2006AM. Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods.

Metabolomic Markers in Diet and Health

Saturday, July 22
5:30pm – 9:00 pm
Hyatt Regency Chicago Hotel

Sponsored by the AACC Nutrition, Lipoproteins and Vascular Diseases, Molecular Pathology and TDM/Toxicology Divisions

Overview: New research shows that setting dietary recommendations for an entire population may be coming to an end. Instead, individual genetic variations may affect the response to dietary intake and our nutritional status.

- The Emerging Science of Nutrigenetics
  Martin Kohlmeier, MD, University of North Carolina, Chapel Hill
- Metabolomics: Enabling Nutrition by Quantitative Health Assessment
  Bruce German, University of California, Davis

Registration: $15 AACC Members; $50 Non-AACC Members. Your registration includes scientific sessions at 5:30 followed by a reception.

Register online at www.aacc.org/2006AM. Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods.

Opening Mixer

Sunday, July 23, 2006
6:30pm – 7:30pm
Hyatt Regency McCormick Place Hotel

Immediately following the Opening Plenary Session, join us for a beer/wine reception in the Hyatt Regency McCormick Place Hotel, adjacent to the McCormick Place Convention Center. Transportation will be available, from the Convention Center, at the end of the Opening Mixer to official AACC hotels. No additional ticket is required; just wear your badge as a registered attendee or guest of the meeting. The Opening Mixer is included in this year's registration fees.

AACC Annual Meeting of the Membership

Monday, July 24, 2006
12noon – 1:30pm
McCormick Place Convention Center

Student Oral Presentations and Poster Contest

Monday, July 24, 2006
2:00pm – 4:30pm
McCormick Place Convention Center

This symposium, intended to highlight student-generated research, presents student abstracts in both oral and poster format. The first hour consists of four selected oral presentations, and the second hour and a half consists of the student poster contest. Students compete for cash awards as they are judged on scientific content, originality, and presentation style. The winners of the student awards will be announced at the SYCL Networking Reception to be held from 5:30pm to 6:30pm.

The Benefits of ABCC Certification

Monday, July 24, 2006
5:00pm – 5:30pm
Hyatt Regency Chicago Hotel
Sponsored by ABCC and NACB.

Professional certification represents a commitment to quality, competence, and upholding the highest standards of care. Learn how to advance your career as a Diplomate of the ABCC. Free forum.

The Society for Young Clinical Laboratorians (SYCL) Networking Reception

Monday, July 24, 2006
5:30pm – 6:30pm
Hyatt Regency Chicago Hotel

SYCL is now 2 years old! Join us for an opportunity to learn more about SYCL, meet other SYCL members and network with colleagues. In addition, the winners from the Student Awards will be announced and presented. Come and join the celebration!

Current Topics in Cardiovascular Disease and Stroke AACC LVD Annual Dinner Meeting and Mixer

Monday, July 24
5:30pm – 9:30pm
Hyatt Regency Chicago Hotel
Sponsored by the AACC Lipoproteins and Vascular Diseases Division

Overview: Scientific presentations at this year's LVD dinner meeting will address genetic predisposition to CVD and look at recent efforts to identify markers for stroke.

- Genetic Predisposition to Cardiovascular Disease—An Update
  Michael Y. Tsai, PhD, University of Minnesota, Minneapolis
- Serum Biomarkers for Diagnosis and Management of Stroke
  Alan H. Wu, PhD, University of California, San Francisco

Registration: $20 LVD Division Members; $35 AACC Members; $60 Non-AACC Members. Your registration includes a reception at 5:30; awards at 6:40, dinner at 7:00 and scientific sessions at 7:50.

Register online at www.aacc.org/2006AM. Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods. LVD Division members must register by fax, mail, or onsite to get the discounted Division member fee.

The OEM Lecture Series

Tuesday, July 25 and Wednesday, July 26, 2006
8:00am – 12noon
McCormick Place Convention Center
Developed in cooperation with the Industry Division

The OEM Lecture Series offers the opportunity for OEM vendors (those organizations that supply components, subsystems and contract services to IVD manufacturers) to present their latest advances to meeting participants. These sessions are intended for those involved in product research and development.

NACB Awards Luncheon

Wednesday, July 26
12:30pm – 2:15 pm
Hyatt Regency Chicago Hotel

Registration: $25 NACB Fellows. Academy Fellows are invited to attend this luncheon in honor of NACB award winners.

Register online at www.aacc.org/2006AM. Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods.

Point-of-Care Coagulation Testing Annual POC Coordinator's Forum

Thursday, July 27
8:00am – 10:00 am
McCormick Place Convention Center
Sponsored by the AACC Critical and Point-of-Care Testing Division

Overview: This year's POCC Forum will review clinical guidelines for managing patients on warfarin and heparin and review compliance and regulatory needs for implementing POC devices in an anticoagulation clinic.

- Anticoagulation with Warfarin and Heparin: How the Drugs Work, How They are Monitored and What the Results Mean.
  Michael Laposata, MD, PhD, Harvard Medical School, Boston, MA
- Point-of-Care Testing in Coagulation: Barriers to Effective Implementation.
  Michael Laposata, MD, PhD, Harvard Medical School, Boston, MA
- Laboratory Issues in the Management of Anticoagulation Clinics Using POC Instruments and Patient Self Testing.
  Sheila Coffman, MT(ASCP), University Hospital, San Antonio, TX

Registration: $15 AACC member/non-member

Register online at www.aacc.org/2006AM. Please note: A Full conference registration will be required when registering online. Register by fax, mail or onsite using the Annual Meeting Registration Form on page 81. Full conference registration is not required when registering via these methods.

AACC Van Slyke Foundation

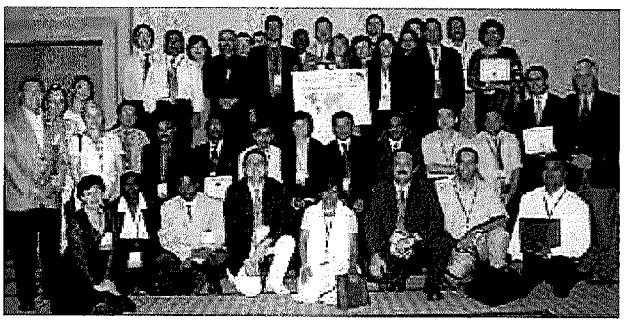
AACC's Van Slyke Foundation (VSF) works with the laboratory community to improve healthcare worldwide by encouraging and funding deserving clinical laboratory scientists and students across the globe. Foundation donors and volunteers give back to the clinical laboratory science field by supporting clinical laboratory scientists everywhere.

AT THE 2006 ANNUAL MEETING THE FOUNDATION WILL SUPPORT:

> **International scientists from emerging areas** through travel grants. Grant winners will be able to attend the scientific meeting and visit the Clinical Lab Expo, where they'll meet new colleagues and learn about the latest developments in laboratory medicine and technology.

> **Promising young clinical laboratorians in the US** through domestic travel grants. Grant winners attend the AACC Annual Meeting to experience the latest in laboratory science and technology and network with the best clinical scientists in the world.

> **Deserving science students** with recognition at the Annual Meeting through poster contest awards and poster presentation awards. VSF travel grants enable young investigators to attend the Annual Meeting, rewarding outstanding scientific achievement by the laboratory leaders of tomorrow.



2005 International Travel Grant Attendees

Throughout the year, the Foundation also advances scientific knowledge and discovery by: providing AACC memberships for laboratory directors in emerging areas; supplying laboratorians in underserved areas with scientific publications, educational programs and other materials, to bring the latest in diagnostics science and technology to labs and patients in all parts of the world; and funding science fair awards for our best and youngest science students.

JOIN THE VAN SLYKE FOUNDATION'S EFFORTS NOW...

...contribute via the Annual Meeting Registration Form *(see page 81)*, You can also donate online at: www.aacc.org/vsf/contribution_form.htm or contact Kia Reid, the Foundation's Coordinator, at 1-800-892-1400 ext. 712 (email her at kreid@aacc.org).

... volunteer your time. Just check the "I want to volunteer" box on the internet VSF contribution form (www.aacc.org/vsf/contribution_form.htm). As a VSF volunteer, you could mentor a science student, host a travel grantee, arrange a lab tour at your facility or help in many other ways.

Special thanks to major donors to VSF programs at the 2006 AACC Annual Meeting
(donations and pledges as of January 2006)
Jerry and Sandy Gallwas
Abbott Fund
Beckman Coulter
Becton Dickinson
Protedyne

THE FOUNDATION'S 2005/2006 MAJOR DONORS

Corporate Contributors
International Federation of Clinical Chemistry (IFCC)
Washington Univ. School of Medicine, Division of Laboratory Medicine
Beckman Coulter

Individual Donors
Gopal Savjani, Jerry & Sandy Gallwas, Richard Flaherty, Jocelyn Hicks, Richard Nadeau, Bernard Brody, Mary Lou Gantzer and Laurence Demers

AACC Local Sections and Divisions
TDM and Toxicology Division
Management Sciences Division
Clinical and Diagnostic Immunology Division
Lipoproteins and Vascular Diseases Division
Northeast Local Section
Southern California Local Section
New York Upstate Local Section
Capital Local Section
Ohio Valley Local Section
Pacific Northwest Local Section

Recent VSF contributors are invited to attend the VSF reception on Wednesday, July 26th (By invitation only, please).

A complete list of all Van Slyke Foundation donors may be found in each issue of the *Clinical Laboratory News* Dailies at the Annual Meeting, or on the AACC Web site at www.aacc.org/vsf.

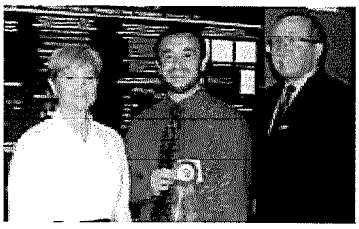
Add your name to the list of those who've invested in the future of clinical laboratory medicine — give to the Van Slyke Foundation today!

THE NATIONAL ACADEMY OF CLINICAL BIOCHEMISTRY

The Academy of AACC

The National Academy of Clinical Biochemistry, the Academy of AACC, is dedicated to advancing the science and practice of clinical laboratory medicine through research, education, and professional development. NACB will conduct the following activities at the AACC Annual Meeting:

Monday, July 24
1:30pm – 3:00pm
NACB Board of Directors Meeting



NACB officers Mary Burritt and Bob Dufour honor 2005 Distinguished Abstract Award recipient Ross Molinaro.

Tuesday, July 25
10:30am – 12noon and 2:30pm – 5:00pm
Pharmacogenetics Practice Guidelines I: Establishing Clinical Applications
McCormick Place Convention Center

Wednesday, July 26
10:30am – 12noon and 2:30pm – 5:00pm
Pharmacogenetics Practice Guidelines II: Clinical Utilization of Pharmacogenetics
McCormick Place Convention Center

Wednesday, July 26
12:30pm – 2:15pm
NACB Awards Luncheon and Membership Meeting
Luncheon cost: $25.00
Make reservations in advance using the AACC Annual Meeting registration form.

NACB members are invited to attend this luncheon in honor of new Academy Fellows and recipients of the following awards:

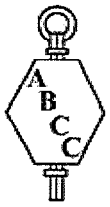
Y.M. Dennis Lo, MD
DISTINGUISHED SCIENTIST AWARD
Outstanding Research Advances in Clinical Biochemistry
Supported by Dade Behring Inc.

John E. Sherwin, PhD, DABCC, FACB
PROFESSOR ALVIN DUBIN AWARD
Distinguished Contributions to the Profession and the Academy
Supported by Abbott Diagnostics

Linnea M. Baudhuin, PhD
GEORGE GRANNIS AWARD
Excellence in Research and Scientific Publication
Supported by NACB and the Ohio Valley Local Section

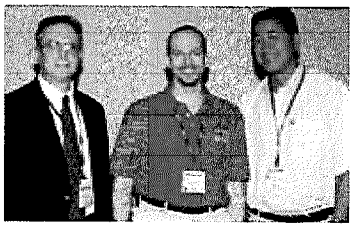
For information about the Academy, go to the NACB web site at www.nacb.org or stop by the NACB booth at the AACC Clinical Lab Exposition.

THE AMERICAN BOARD OF CLINICAL BIOCHEMISTRY, INC.



The ABCC certifies doctoral level scientists in the practice of clinical chemistry, toxicological chemistry, and molecular diagnostics. ABCC will offer the following activities during the AACC Annual Meeting:

Saturday, July 22
8:30am – 5:00pm
ABCC Certification Exams



ABCC officers Doug Stickle and Stanley Lo honor Diplomate David Grenache during 2005 reception.

Monday, July 24
8:00am – 12noon
ABCC Board of Directors Meeting

Monday, July 24
5:00pm – 5:30pm
ABCC Forum: What are the Benefits of ABCC Certification?
Open to lab professionals interested in doctoral level certification in clinical chemistry, toxicological chemistry, or molecular diagnostics.

Monday, July 24
6:00pm – 7:30pm
ABCC Reception in Honor of New Diplomates
Open to all Diplomates

For information about certification, go to the ABCC web site at www.aacc.org/abcc or stop by the ABCC booth at the AACC Clinical Lab Exposition.

Exhibit 311C

CONFERENCE REGISTRATION – WHAT'S INCLUDED

Full Conference Registration for AACC Members, Non-Members, Students and Emeritus Members includes:

> Plenary Sessions
> Symposia
> Poster Sessions
> Oral Abstract Presentations
> Chair's Invited Sessions
> Exhibits
> Opening Mixer

Daily Registration/One Day Registration only includes:

> Plenary Session for that Day
> Symposia for that Day
> Poster Sessions for that Day
> Oral Abstract Presentations for that Day
> Chair's Invited Sessions for that Day
> Exhibit Hall Entry for that Day (Tues – Thurs)

Guest Registration includes:

> Plenary Sessions
> Symposia
> Poster Sessions
> Chair's Invited Sessions
> Oral Abstract Presentations
> Exhibits
> Opening Mixer

Expo-Only Registration (includes admission to Expo and Posters only. Note – Poster Presenters must register for the conference.):

Exhibits (Tuesday - Thursday)

If you pay a Conference Registration fee, do not register separately for the Exhibits. To register for the Expo-Only, complete the form at www.aacc.org/2006AM. If you do not have web access, contact Customer Service at 1-800-892-1400 or 202-857-8717 to obtain a form.

Only individuals registered for the 2006 AACC Annual Meeting and wearing an appropriate badge may attend Annual Meeting events. Tickets are required for all Brown Bags, Short Courses, Meet the Expert Sessions, and Interactive Workshops.

If you are purchasing tickets to either Short Courses, Interactive Workshops, Meet the Expert Sessions or Brown Bag Sessions, you must pay the Full or Daily Conference Registration Fee and complete a separate registration form. If you are presenting a poster, you must also pay the appropriate Conference Registration Fee (either a full conference registration or a daily registration fee for the day on which you are presenting).

Seats are limited and are assigned on a first-come, first served basis. Register early!

REGISTRATION FEES

***Save $220 on your registration, join AACC today!**
See pages 85–86 for details. You may join at the same time as you register.

	EARLY BIRD RECEIVED BY 6/8/06	ON-SITE RECEIVED AFTER 6/8/06*
Conference Registration		
AACC Member	$435	$560
Non-Member*	$655	$780
Student	$145	$160
Emeritus Member	$145	$160
Daily Registration	$260	$260
Guest/Spouse	$115	$145
AACC University, Short Courses and Interactive Workshops		
Morning:		
Member	$150	$150
Non-Member	$200	$200
Afternoon:		
Member	$200	$200
Non-Member	$250	$250
Full Day:		
Member	$250	$250
Non-Member	$300	$300
Brown Bag Sessions:		
Member/Non-Member *(meal is not included)*	$25	$25
Meet the Experts:	$10	$10

Opening Mixer: (included with Registration – may not attend if not registered)

***Any forms received after July 6 will be processed at the meeting.**

ILLUM-0144

REGISTERING FOR INDIVIDUAL SESSIONS

Short Courses, Interactive Workshops, and Meet the Experts Sessions Registration:

- All fees must accompany the registration form.
- Indicate choice for each day on form, using the five or six-digit code number.
- Tickets may not be purchased for individuals other than those who have paid the full or daily conference basic registration fees.
- Due to limited seating, guests of speakers and registrants cannot be seated.
- On-site registration will be available only for those sessions that have space.

There will be no wait list maintained for sold-out sessions. Any space available will be sold on-site. Your credit card will not be charged for sold-out sessions. Refunds will be processed for sold-out sessions paid by check or wire transfer.

Brown Bag Sessions Registration

- Limit 10 people per session. There can be no exceptions. Register Early!
- Morning Brown Bag Sessions (40000 series five-digit code numbers) may be repeated in the afternoon (50000 series five-digit code number) on the same day. Some Brown Bag Sessions may not be presented twice.
- Brown Bag Session tickets may only be purchased for those who have paid the full or daily conference registration fees.
- Due to limited seating, guests of registrants cannot be seated.
- On-site registration will only be available for Brown Bag Sessions with space.

There will be no wait list maintained for sold-out sessions. Any space available will be sold on-site. Your credit card will not be charged for sold-out sessions. Refunds will be processed for sold-out sessions paid by check or wire transfer.

Symposia, Plenary Sessions, Chair's Invited Sessions and Oral Abstract Presentations

- Symposia, Plenary Sessions, Chairs Invited Sessions and Oral Abstract Presentations are available at no charge to conference registrants who have paid the full conference registration fee or daily registration fee (for that day), paid registered guests, and exhibit staff.
- Please indicate on your registration form (using the five-digit code number) which symposia session you plan to attend. This will help us match meeting room sizes to demand. Tickets will not be issued for these sessions.

AACC University

- No Conference or Daily Registration Fee required. Requires payment only for courses offered on Sunday, July 23, 2006.
- All fees must accompany the registration form.
- Using the six-digit code, indicate your session choices for this day.
- Due to limited seating, guests of speakers and registrants cannot be seated.
- On-site registration will only be available only for sessions with space.

There will be no wait list maintained for sold-out sessions. Any space available will be sold on-site. Your credit card will not be charged for sold-out sessions. Refunds will be processed for sold-out sessions paid by check or wire transfer.

HOW TO REGISTER

- AACC must receive payment for ALL fees along with your registration form, or your request will not be processed.
- Payment may be made by: Check (payable to AACC in US dollars drawn on a US bank); VISA; MasterCard; American Express; or wire transfer.
- You can register three ways:

Online at www.aacc.org/2006AM

Mail registration form (pages 81–84) and payment to: 2006 Annual Meeting Registration, P.O. Box 630623, Baltimore, MD 21263-0623

Fax registration form (pages 81–84) to: 202-887-5093 *(credit card registrations only)*. Your fax copy will be treated as an original. To avoid duplicate charges, do not mail your original.

Confirmation of your registration will be mailed within two weeks of receipt of the registration form with complete payment. Conference attendee badges and tickets will NOT be mailed prior to the meeting. You will be able to pick up your credentials on-site. **All individuals must show a government-issued photo ID when they pick up their badges and tickets.**

CANCELLATION POLICY

All Annual Meeting cancellations must be received in writing. Written cancellations received by Thursday, June 8, 2006 will be assessed a $50 processing fee. Written cancellation received between Friday, June 9 and Thursday, July 6, 2006 will be assessed a cancellation fee equal to 35% of the total registration fees. No refunds will be granted after Thursday, July 6, 2006. Refunds will be processed three to four weeks after the conclusion of the meeting. Fees paid for sold-out sessions may be returned sooner.

STOP BY BOOTH #2051 TO SEE WHAT'S NEW AT AACC!

Here you will find information on publications, membership, continuing education, upcoming meetings, AACC online, Lab Tests Online and much more. Representatives from AACC will be in the booth to answer any questions you may have.

The AACC Booth (located on the exhibit hall floor) will be open during regular expo hours:

Tuesday, July 25	**9:30am – 5:00pm**
Wednesday, July 26	**9:30am – 5:00pm**
Thursday, July 27	**8:30am – 2:00pm** (New hours!)

VISIT THE AACC BOOKSTORE TO BROWSE AND PURCHASE THE LATEST PUBLICATIONS IN YOUR FIELD.

The bookstore (located in the registration area) will be open during the following hours:

Sunday, July 23	**9:00am – 5:00pm**
Monday, July 24	**9:00am – 5:00pm**
Tuesday, July 25	**9:00am – 5:30pm**
Wednesday, July 26	**9:00am – 5:30pm**
Thursday, July 27	**8:30am – 2:00pm**

Pick up the latest 2006 Publications Catalog!

Eight new releases from AACC Press are expected to be available at the meeting:

> Clinical Diagnostic Technology, Volume 3: The Postanalytical Phase
> A to Z Guide to Pharmacogenomics
> Pharmacogenomics and Proteomics: Enabling the Practice of Personalized Medicine
> Effects of Preanalytical Variables on Clinical Laboratory Tests
> A Quick Guide to Coagulation Testing
> Point-of-Care Testing for Managers and Policymakers—From Rapid Testing to Better Outcomes
> Principles of Forensic Toxicology, Revised and Updated 2nd Ed.
> Contemporary Practice in Clinical Chemistry

July 23-27, 2006 • Chicago, IL

HOW TO REGISTER

>PRINT OR TYPE INFORMATION ON ALL PAGES

>Make a copy of all pages for your files

>Please submit all 4 pages of this form to AACC.
Please include registrant name on all pages of the form.

>Full payment of all fees (in US Dollars payable through a US Bank) must accompany this form for registration to be processed.

Internet: www.aacc.org/2006AM *(Credit card payments only).*

Mail: 2006 Annual Meeting, P.O. Box 630623, Baltimore, MD 21263-0623

Fax: 202-887-5093 *(Credit card payments only). Fax copy will be considered original. To avoid duplication, do not mail original.*

Deadlines: **Early Bird registration ends June 8, 2006.**
Advance registration ends July 6, 2006.
All forms received after July 6 will be processed at the meeting.

I. Personal Information

Please verify your personal information from the mailing label above. Complete the information below if changes are necessary. This information will appear on your badge and Expo Card. This is also where we will send your confirmation letter.

Member ID # ___|___|___|___|___|___| Degree |___|___|___|

First/Given Name ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Middle Name ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Last/FamilyName___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Mailing Address ☐ Business ☐ Home ☐ *This is a change of address. Please update my record.*

Institution___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Department ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Street Address ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Street Address ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

City/Province |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___| State |___|___|

Postal Code___|___|___|___|___|___|___|___|___|___| Country |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Be sure to complete this information:

E-mail Address ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Business Phone ___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Fax # |___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Please do not include my ☐ email address and ☐ fax number on my Expo Card. If you check either box exhibitors may not be able to contact you after the meeting.

☐ Please do not share my information with other organizations.

Registrant's Name: _____

II. Your Information

The following information MUST BE completed to process your application.

A. What is your Title/Position? (select one)

01 ☐ President, VP, Other Executive
02 ☐ Pathologist, other MD
03 ☐ Director, Asst Director
04 ☐ Lab Manager, Lab Administrator
05 ☐ Chief Med Tech
06 ☐ Lab Supervisor
07 ☐ POCT, QA Coordinator
08 ☐ Lab Technologist
09 ☐ Buyer, Purchasing Agent
10 ☐ Research or Development Scientist, Engineer
11 ☐ Manufacturing/Operations
12 ☐ Marketing, Sales, Analysis
13 ☐ Clinical, Regulatory Affairs
14 ☐ Educator, Student
15 ☐ Other (please specify)

_____

B. Which best describes your organization's primary function? (select one)

01 ☐ Hospital/Laboratory
02 ☐ Group Purchase Org
03 ☐ Government Agency
04 ☐ Educational Institution
05 ☐ IVD, Pharma, LIS Company
06 ☐ OEM Company
07 ☐ Distributor, Lab Supplier
08 ☐ Lab Consultant
09 ☐ Industry Consultant
10 ☐ Investment
11 ☐ Other (please specify)

_____

C. Which of the following best describes your business interests at this exposition? (select one)

01 ☐ Evaluate/acquire lab products or services for the lab or practice
02 ☐ Market lab products or services
03 ☐ Evaluate OEM suppliers, distribution opportunities, or technology licensing.
04 ☐ Solicit OEM, distribution, or other B2B collaborations
05 ☐ No product or business interest
06 ☐ Other (please specify)

_____

D. If your organization is a laboratory, which best describes it? (select one)

01 ☐ University
02 ☐ State, County, Local Hospital
03 ☐ Private Hospital
04 ☐ Veterans, Military Hospital
05 ☐ Gov't/Public Health Lab
06 ☐ Commercial Lab
07 ☐ Group Practice, POL
08 ☐ Blood Center, Blood Bank
09 ☐ Basic Research Lab
10 ☐ Pharma, IVD Manufacturer Lab
11 ☐ Forensic Lab
12 ☐ Veterinary Lab
13 ☐ Other (please specify)

_____

E. If your organization is a laboratory, what was the most important role you played in the acquisition of Clinical Laboratory, Point-of-Care, or POL Systems in the last 2 years?

01 ☐ Final Decision Maker in the Laboratory or Practice
02 ☐ Recommended products
03 ☐ Evaluated product options for purchase
04 ☐ No Role

F. In which Country/Region do you work?

01 ☐ United States
02 ☐ Canada
03 ☐ Mexico
04 ☐ C. America/ Caribbean
05 ☐ South America
06 ☐ Central/Eastern Europe
07 ☐ Western Europe
08 ☐ Middle East/North Africa
09 ☐ Sub-Saharan Africa
10 ☐ S. Pacific/Australia/New Zealand
11 ☐ East Asia
12 ☐ Southeast Asia
13 ☐ Central/South Asia

G. What Products/Services are of interest to you? (check as many as apply)

01 ☐ Automation/Robotics
02 ☐ Cancer Diagnostic/Markers
03 ☐ Cardiac Diagnostics/Markers
04 ☐ Chemistry
05 ☐ Cholesterol/Lipids Testing
06 ☐ Cytology/Histology
07 ☐ Endocrine/Diabetes Testing
08 ☐ Genomics/Proteomics
09 ☐ Hematology/Hemostasis/ Coagulation
10 ☐ Immunology/Autoimmune Testing
11 ☐ Microbiology/Infectious Diseases
12 ☐ Molecular Diagnostics/Genetics
13 ☐ OEM/R&D/B2B
14 ☐ Pathology
15 ☐ Reference Lab Services
16 ☐ POCT/Patient Self-Testing
17 ☐ Serology
18 ☐ TDM/Toxicology
19 ☐ Urinalysis
20 ☐ Veterinary Testing Products

III. Conference Registration Fees

Please check choice(s)	Early Bird *(received by 6/8/06)*	Regular *(received after 6/8/06)*
☐ 01 AACC Member	$435	$560
☐ 02 Non-Member	$655	$780
☐ 03 Student	$145	$160
☐ 04 AACC Emeritus Member	$145	$160
Daily Registration	$260	$260
Check days that apply.		
☐ 05 Sun ☐ 06 Mon ☐ 07 Tues ☐ 08 Wed ☐ 09 Thu		
☐ 10 Guest/Spouse	$115	$145

Spouse/Guest First/Given Name

|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

Last/Family Name

|___|___|___|___|___|___|___|___|___|___|___|___|___|___|

☐ Check here if you have a disability and/or require special assistance. You will be contacted by the AACC Meetings Department

IV. Sessions

Indicate your preference by session number. Individuals registered as guests/spouse may not register for sessions or receive continuing education credits.

A. AACC University (190000 series)

All courses held on Sunday, July 23. Conference registration is not required; only fees for individual courses.

Full Day: $250 AACC Member/$300 Nonmember

Morning Only: $150 AACC Member/$200 Nonmember

Afternoon Only: $200 AACC Member/$250 Nonmember

Sunday:

Full Day	☐ 191001	☐ 191003	☐ 191004
	☐ 191008	☐ 191010	☐ 191011
	☐ 191012	☐ 191014	☐ 191016
Morning	☐ 191009		
Afternoon	☐ 191002	☐ 191005	☐ 191007
	☐ 191013	☐ 191015	

Total # of Sessions_____ Total $ _____

Registrant's Name: _____

B. Symposia (30000 series)

No Charge; Please Check Choices.

Monday	Full Day:	☐ 32301	☐ 32302	☐ 32303
	Morning:	☐ 32104	☐ 32105	☐ 32106
	Afternoon:	☐ 32207	☐ 32208	☐ 32209
Tuesday	Full Day:	☐ 33301	☐ 33302	☐ 33303
	Morning:	☐ 33104	☐ 33105	
	Afternoon:	☐ 33206	☐ 33207	
Wednesday	Full Day:	☐ 34301	☐ 34302	☐ 34303
	Morning:	☐ 34104	☐ 34105	☐ 34106
	Afternoon:	☐ 34207	☐ 34208	
Thursday	Morning:	☐ 35101	☐ 35102	☐ 35103
		☐ 35104	☐ 35105	☐ 35106

C. Interactive Workshops (20000 series)

Morning Interactive Workshops: $150 AACC Member/$200 Nonmember

Afternoon Interactive Workshops: $200 AACC Member/$250 Nonmember

Monday	Morning:	☐ 22101	☐ 22102
	Afternoon:	☐ 22203	
Tuesday	Morning:	☐ 23101	
	Afternoon:	☐ 23202	
Wednesday	Afternoon:	☐ 24201	

Total # of Sessions _____ Total $ _____

D. Short Courses (70000 series)

Full Day Short Courses: $250 AACC Member/ $300 Nonmember

Morning Short Courses: $150 AACC Member/$200 Nonmember

Afternoon Short Courses: $200 AACC Member/$250 Nonmember

Monday	Full Day:	☐ 72304			
	Morning:	☐ 72105	☐ 72106	☐ 72107	☐ 72108
	Afternoon:	☐ 72209	☐ 72210	☐ 72211	☐ 72212
		☐ 72213			
Tuesday	Full Day:	☐ 73303			
	Morning:	☐ 73104	☐ 73105	☐ 73106	
	Afternoon:	☐ 73207	☐ 73208	☐ 73209	☐ 73210
		☐ 73211	☐ 73212		
Wednesday	Morning:	☐ 74102	☐74103	☐ 74104	☐ 74105
	Afternoon:	☐ 74206	☐74207	☐ 74208	☐ 74209
		☐ 74210			

Total # of Sessions _____ Total $ _____

E. Meet the Experts (60000 series)

$10 each AACC Member/Nonmember

Monday	Morning:	☐ 62001	☐ 62002
	Afternoon:	☐ 62003	
Tuesday	Morning:	☐ 63001	
	Afternoon:	☐ 63002	
Wednesday	Morning:	☐ 64001	☐ 64002

Total # of Sessions _____ Total $ _____

F. Brown Bag Sessions

$25 each AACC Member/Nonmember. No meal is included

Morning Sessions (40000 Series) Afternoon Sessions (50000 Series)

		1st Choice	2nd Choice	3rd Choice
Monday	Morning	_____	_____	_____
	Afternoon	_____	_____	_____
Tuesday	Morning	_____	_____	_____
	Afternoon	_____	_____	_____
Wednesday	Morning	_____	_____	_____
	Afternoon	_____	_____	_____

Total # of Sessions _____ Total $ _____

V. Special Events

(see page 74 for descriptions)

91. Opening Mixer – Sunday, July 23
    (included with conference and guest registrations) ☐ Yes, I will attend.

92. Issues in Immunodiagnostics Symposium: Organ Transplantation and the Clinical Laboratory - Saturday, July 22
    CDI Division Members: $15; AACC Members: $35;
    Non-AACC Members: $50
    # of Tickets _____ $ _____

93. Management Sciences Division Leadership Seminar: The Truth About Quality Today - Saturday, July 22
    AACC Member/Non-Member: $15
    # of Tickets _____ $ _____

94. Metabolomic Markers in Diet and Health - Saturday, July 22
    AACC Members: $15; Non-AACC Members: $50
    # of Tickets _____ $ _____

95. Current Topics in Cardiovascular Disease and Stroke: LVD Dinner Meeting - Monday, July 24
    LVD Division Members: $20; AACC Members: $35;
    Non-AACC Members: $60
    # of Tickets _____ $ _____

96. NACB Awards Luncheon: Wednesday, July 26
    NACB Fellows: $25
    # of Tickets _____ $ _____

97. POC Coordinators Forum: POC Coagulation Testing - Thursday, July 27
    AACC Member/Non-Member: $15
    # of Tickets _____ $ _____

Special Events_____ Total $_____

Registrant's Name: _____

VI. Payment Information

Conference Fees	Section III	$ _____
Guest/Spouse Fees	Section III	$ _____
AACC 2006 Membership Dues *(Attach application see page 86)*		$ _____
AACC University	Section IV A	$ _____
Interactive Workshops	Section IV C	$ _____
Short Courses	Section IV D	$ _____
Meet the Experts	Section IV E	$ _____
Brown Bags	Section IV F	$ _____
Special Events	Section V	$ _____
Van Slyke Foundation Contribution *(See page 76)*		$ _____
Total Payment Enclosed:		$ _____

Full payment must accompany all orders. Purchase orders are not accepted.

☐ Check Enclosed *(Payable to AACC, in US Dollars, through a US Bank Only)*

☐ Company Check ☐ Personal Check

☐ Wire Transfer Date Sent_____ Sending Bank _____

Routing Information: Bank of America, Account # 001924126881 Routing # 026009593, Swift Code BOFAUS3N (Mail or Fax registration form)

Credit Card ☐ VISA ☐ MasterCard ☐ American Express

Card Number

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Expiration Date ___/___ – ___/___

Credit Card Code *|__|__|__|__|

*Visa/MasterCard code is last 3 digits in signature box on back of card. American Express code is 4 small digits above credit card number on front of card.

Signature _____ Date _____

Card Holder's Name

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Billing Address EXACTLY as it appears on your credit card statement

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|

Mail all 4 pages to: 2006 Annual Meeting, P.O. Box 630623, Baltimore, MD 21263-0623, or fax all 4 pages to: 202-887-5093 (credit card payments only)

Cancellation Policy

All Annual Meeting cancellations must be received in writing. Written cancellations received by Thursday, June 8, 2006 will be assessed a $50 processing fee. Written cancellations received between Friday, June 9 and Thursday, July 6, 2006 will be assessed a cancellation fee equal to 35% of the total registration fees. No refunds will be granted after Thursday, July 6, 2006. Refunds will be processed three to four weeks after the conclusion of the meeting. Fees paid for sold-out sessions may be returned sooner.

For AACC USE ONLY: Date Received: _____ Check # _____ Check Amount _____

ILLUM-0150

JOIN AACC TO BENEFIT NOW AND THROUGHOUT THE YEAR.

Now...

Save $220 off the nonmember registration fee by joining AACC today and registering for the Annual Meeting as a member – that's more than the cost of your annual membership.

Throughout the year...

The Annual Meeting registration discount is only the beginning. As an AACC member, you can take advantage of additional savings offers, gain access to invaluable information, and participate in unique networking opportunities.

Attend information-packed meetings and conferences — at discount rates. As a member, you'll be **eligible** to receive discounts on the fees for AACC-sponsored meetings, educational programs and conferences.

Educate yourself — and fulfill accreditation requirements at your own pace with AACC's distance learning programs and online symposia. You can also take part in monthly, live discussions featuring a hot topic in areas of laboratory medicine, technology, management, regulation or science as part of our Experts Live-On-Line program.

Receive top-notch publications — at no charge

Your AACC membership includes subscriptions to these highly regarded periodicals...

... *Clinical Chemistry*, International Journal of Molecular Diagnostics and Laboratory Medicine. The most-cited periodical in the field of clinical chemistry, the journal contains more than 2,000 pages of original, peer-reviewed scientific articles annually. Non-members pay more than $200 for print and online access.

...*Clinical Laboratory News* provides timely analysis of issues and trends affecting clinical laboratories, laboratorians and laboratory science. U.S. members receive the publication free, and international members can access it via the Web at no cost.

...*Strategies* is for clinical laboratory directors who want to stay on top of complex and evolving regulatory, scientific, and clinical issues affecting their lab operations. This online newsletter is published twice monthly.

You can also purchase discounted, expert and timely educational texts through AACC Press, and our online bookstore, www.aaccdirect.org.

Be part of a network of peers — on- and off-line

AACC lets you network with colleagues at conferences or meetings, or connect with fellow professionals via online communities.

Access is easy with our **fully searchable online Membership Directory.** And when it's time to search for or post a position, members can turn to **Clin Lab Job Center,** the only Web-based job center that focuses on the clinical laboratory and IVD industry.

New members from North America can **meet face-to-face at local section meetings.** All AACC members can **affiliate with 13 divisions that provide specialized topical information and services** in particular fields of interest.

AACC offers all these benefits and many, many more. Through government and media relations programs, our members influence legislation and shape how the world views the clinical chemistry field. Our awards programs ensure worthy clinicians and laboratorians get well-deserved recognition.

Complete the Membership Application. Join AACC today.

Full Membership is open to those holding an earned baccalaureate or higher degree in science or medicine or the academic equivalent and who are engaged in professional activities commonly associated with the practice of clinical laboratory science. Membership provides all benefits, voting privileges, and the opportunity to hold Association office ($185/yr.).

Student Associate Membership is open to undergraduate or graduate students engaged in full-time academic studies, and to residents and fellows. Please include proof of your student status (Copy of current student ID or letter from a Professor) with your application. Student members enjoy all benefits except voting privileges and the opportunity to hold Association office ($25/yr.).

3 Easy Ways to Join AACC When You Register:

1. Register for the Annual Meeting online at www.aacc.org/2006am.
   Join as a Full Member when you click the Check Out button and you'll instantly receive the member discount.
2. Submit a completed Membership Application (see next page) and dues payment with your Meeting Registration Form (see page 81) and return it by mail to: AACC, PO Box 630623, Baltimore, MD 21263-0623.
3. Submit a completed Membership Application (see next page) and dues payment with your Meeting Registration Form (see page 81) and return it by fax to 1-202-887-5093.

Please note: When joining via option 2 or 3 above, allow 7-10 business days for member benefits, including discounted registration, to be available online. For assistance call Customer Service, toll-free at 800-892-1400 (North America), or 202-857-0717, then press 2.

2006 Membership Acceptance Form

Simply return this form with your membership dues today to begin receiving full AACC Member benefits, including a FREE subscription to *Clinical Chemistry*, the most cited journal in our profession, and member-only discounts on publications, educational programs and registration to AACC's Annual Meeting! Register online at www.aacc.org/2006AM. Join as a Full Member when you click the Check Out button and you will instantly receive the member discount.

1. Membership Information

NAME

JOB TITLE

COMPANY NAME

DEPARTMENT

COMPANY ADDRESS

COMPANY ADDRESS

CITY STATE/PROVINCE

ZIP/POSTAL CODE COUNTRY

HOME ADDRESS

HOME ADDRESS

CITY STATE/PROVINCE

ZIP/POSTAL CODE COUNTRY

E-MAIL

BUSINESS PHONE

FAX

HOME PHONE YEAR OF BIRTH

DEGREES HELD CERTIFICATION

I prefer to receive AACC mail at (check one) ☐ Home ☐ Business

In the AACC Membership Directory, list this address (check one) ☐ Home ☐ Business

Please do not share my address with other organizations. ☐

2. Select Your Membership Category

☐ Member $185

Open to persons holding an earned baccalaureate or higher degree in science, medicine, or academic equivalent and engaged in professional activities commonly associated with clinical chemistry. Members receive a subscription to *Clinical Chemistry* Journal.

☐ Student Associate $25

Open to all undergraduate and graduate students engaged in full-time academic studies, and to residents and fellows. Student associates are entitled to all member benefits, except voting privileges and the opportunity to hold Association office. Students must send in proof of academic status: i.e., a copy of a current student I.D. card or a letter from a professor.

3. Join AACC Divisions for Specialty Information

Customize your Membership by joining one or more Divisions, which target your specialized area(s) of interest. A newsletter is included with your Division Membership and some Divisions offer listserv discussion groups. For more information, visit www.aacc.org/divisions/divisions.stm.

☐ Animal Clinical Chemistry	$15
☐ Clinical and Diagnostic Immunology	$15
☐ Critical and Point-of-Care Testing	$15
☐ History of Clinical Chemistry	$15
☐ Industry	$15
☐ Laboratory Information Systems and Medical Informatics	$15
☐ Lipoproteins and Vascular Diseases	$15
☐ Management Sciences	$15
☐ Molecular Pathology	$15
☐ Nutrition	$15
☐ Pediatric and Maternal-Fetal	$15
☐ Proteomics	$15
☐ TDM/Toxicology	$15

Total Division Dues: $

4. Choose Your Preferred Payment Method

Total Dues Enclosed: $

Include membership category, division(s) and postage

Members outside North America receive upgraded Air Lift delivery of *Clinical Chemistry* Journal at no extra charge - delivery within approximately 2-4 weeks.

☐ Check here to expedite Journal delivery. Members may pay an optional postal fee of $250 for U.S. Air Mail - delivery within approximately 5-10 days

☐ My check is enclosed, payable in US dollars to AACC.

☐ Please charge my credit card:

☐ American Express ☐ MasterCard ☐ VISA

☐☐☐☐-☐☐☐☐-☐☐☐☐-☐☐☐☐

CREDIT CARD SECURITY CODE ☐☐☐☐
(Visa & MC last 3 digits on back of card.
AmEX 4 small digits on front of card.)

EXPIRATION DATE

AUTHORIZED SIGNATURE

NAME ON CARD

CREDIT CARD BILLING ADDRESS (exactly as it appears on your statement)

Membership year is January 1 - December 31. Applications received before September 1 will be effective for current year.

5. Send Completed Application and Payment To:

AMERICAN ASSOCIATION FOR CLINICAL CHEMISTRY
1850 K Street, NW, Suite 625 • Washington, D.C. 20006
Phone 800-892-1400 (press 2) or 202-857-0717 • Fax 202-887-5093
Email custserv@aacc.org.
Join online when you register at www.aacc.org/2006AM.

Source Code 250489

DECIDE WHERE YOU'D LIKE TO STAY.

We've reserved a block of Chicago hotel rooms for AACC Annual Meeting registrants. Please review the hotel descriptions and amenities chart and indicate your top three choices on the Attendee Housing Form on page 91.
Or book online at www.aacc.org/2006am.

WHY SHOULD YOU BOOK THROUGH THE AACC ROOM BLOCK?
You benefit in multiple ways, with great rates, convenience, protection and AACC clout.

The guaranteed best rate During our Annual Meeting, the rates offered for hotels in our block are the lowest available. If you find a lower rate on the Internet, or through individual or group reservations, notify us. We'll make sure that you – and other attendees booked at that hotel through our hotel block – receive a matching low rate.

Direct transportation to AACC events AACC provides shuttle bus service between McCormick Place Convention Center and hotels that are in the official AACC room block. This is particularly important in Chicago because of the distance between hotels and the Convention Center. Stay in a non-AACC block hotel and you're responsible for providing your own transportation.

Protection if your hotel denies you a confirmed room AACC hotel contracts guarantee that confirmed rooms will be preferentially held if you book via our block. If the hotel is oversold and denies you a confirmed room booked through our block, they'll have to find you equivalent or better accommodations. Until they can fulfill their obligation to house you, block hotels must cover the costs of your alternate housing. If you book a room outside the AACC block, and the hotel is oversold, the hotel is only obligated to find you another place to stay.

Top-notch hotels and meeting space for future Annual Meetings Booking through the housing block supports AACC and our ability to negotiate for future Annual Meeting sites keeping AACC's and your costs as low as possible.

Hotel Descriptions

Hotel Allegro
171 W Randolph Street, Chicago, IL
Rates: $142/$142 (single/double)
Located steps from Chicago's bustling business and theatre districts, this stylish hotel attracts guests looking for something a little different. In addition to complimentary cocktail receptions each evening, Hotel Allegro also offers in-room luxuries such as pillow-top mattresses with down pillows and comforters, Sony sound systems and Toshiba flat screen televisions. Hotel Allegro features 24-hour fitness and business centers. The hotel's restaurant, 312 Chicago, serves American cuisine with Italian flair.

Best Western Inn of Chicago
162 East Ohio Street, Chicago, IL
Rates: $124/$124 (single/double)
Just one block east of Chicago's Magnificent Mile, Best Western Inn of Chicago is a timeless classic. Recently renovated, guestrooms are filled with cherry wood furniture and offer captivating views of the city. Hotel amenities include airport transportation, fitness and business centers. Free high speed Internet service is available in the lobby. The All-Stars Lounge features a wide variety of soups, salads and sandwiches at reasonable prices. For spectacular views of the Chicago skyline, guests are encouraged to visit the Rooftop Terrace.

Chicago Marriott Downtown Magnificent Mile
540 N Michigan Avenue, Chicago, IL
Rates: $199/$199 (single/double)
A sparkling jewel on Michigan Avenue, the Marriott has just completed a $15 million renovation. Guestrooms feature triple-sheeted feather beds, down comforters, sleek furnishings and flat screen televisions. The hotel has a 24-hour business center that offers complimentary high-speed Internet access. For $12.95 a day, guests can enjoy high-speed Internet access, unlimited local calls and unlimited domestic long distance calls (US only) from their room. The hotel's modern fitness center offers an array of equipment for guest use and features a lap pool, steam rooms and two basketball courts. The Marriott has two restaurants, a lounge, a bar and a coffee shop in the building. Nearby restaurants include Grand Lux Café (American cuisine), BICE (Italian) and Kamehachi (award winning sushi, sashimi and traditional Japanese).

The Drake Hotel
140 East Walton Place, Chicago, IL
Rates: $195/$215 (single/double)
Listed on the National Register of Historic Places, the Drake hotel is a symbol of refinement and class, regularly hosting celebrities, royalty and heads of state. While some rooms in this hotel tend to be on the small side, the services provided are second to none. (The concierges have been known to perform miracles such as obtaining tickets for shows previously sold out, or gaining reservations at completely booked restaurants.) The classically furnished guestrooms receive nightly turndown service with chocolates and feature twice-daily housekeeping, plush bathrobes and designer toiletries. Hotel facilities include a well-equipped fitness center, a fully staffed business center and a handful of specialty shops. High speed Internet service is available in rooms at a fee of $11.40 per day. Hotel restaurants include: the award-winning Cape Cod Room, considered one of the best seafood restaurants in Chicago; the more casual Oak Terrace; and the hotel bar, Coq d'Or — which was one of the first bars to open following the end of Prohibition — specializing in martinis and live jazz.

The Fairmont Hotel — *Co-Headquarters Hotel*
200 North Columbia Drive, Chicago, IL
Rates: $219/$219 (single/double)
Located across the street from Millennium Park in Chicago's Loop, the Fairmont Chicago seamlessly blends high quality service, deluxe accommodations and reasonable prices. Guestrooms are spacious and offer plush triple-sheeted beds, bathrobes, windows that open to the outside and large bathrooms with oversized tubs. High-speed wireless Internet access is available in the hotel lobby and in the fully staffed business center. High speed Internet access is available in rooms for $14.95 a day. The hotel does not have a fitness center but you may purchase day passes ($20/day) to the exclusive Lakeshore Athletic Club. The hotel's stylish restaurant, Aria, offers a globally influenced menu, and the bar provides more casual American fare.

HOTEL AMENITIES AT-A-GLANCE

HOTEL NAME	RATES	EXERCISE FACILITY/ HEALTH CLUB	ROOM SERVICE	RESTAURANTS, LOUNGES OR FOOD OUTLETS	GUEST ROOM INTERNET AVAILABILITY	PARKING	PROXIMITY TO CONVENTION CENTER	DISTANCE TO O'HARE AIRPORT	CHECK IN/ CHECK OUT	CANCELLATION POLICY
Hotel Allegro	$142/$142	Yes	Yes	2	High Speed Comp	$36	2 Miles	12 Miles	3PM 12NOON	72 Hours Prior to Arrival
Best Western Inn of Chicago	$124/$124	Yes	No	0	In Hotel Lobby	$26	3 Miles	17 Miles	3PM 12NOON	72 Hours Prior to Arrival
Chicago Marriott	$199/$199	Yes	Yes	4	Data Port at $12.95	$35	2.87 miles	19 Miles	4PM 12NOON	72 Hours Prior to Arrival
Drake Hotel	$195/$215	Yes	Yes	3	High Speed at $11.40/24	$33	3.5 Miles	18 Miles	3PM 12NOON	72 Hours Prior to Arrival
Fairmont Hotel	$219/$219	Yes	Yes	4	Wireless $13.88/24	$41	1.5 miles	15 Miles	3PM 1PM	72 Hours Prior to Arrival
Fitzpatrick Hotel	$175/$175	Yes	Yes	1	Data Port at $12.95	$33	6 Miles	17 Miles	3PM 12NOON	72 Hours Prior to Arrival
Hilton Garden Inn	$159/$159	Yes	Yes	1	High Speed at $10.00/24	$35	4 Miles	17 Miles	3PM 12NOON	72 Hours Prior to Arrival
Holiday Inn Chicago City Centre	$159/$159	No	Yes	2	High Speed Comp	$28	2.88 miles	17 Miles	3PM 12NOON	72 Hours Prior to Arrival
Hyatt Regency Chicago	$206/$226	Yes	Yes	4	High Speed at $10.00/24	$24	2.63 miles	23 Miles	3PM 12NOON	72 Hours Prior to Arrival
Hyatt McCormick Place	$219/$244	Yes	Yes	1	High Speed at $9.95/24	$29	Connected	23 Miles	3PM 12NOON	72 Hours Prior to Arrival
James Hotel	$165/$165	Yes	Yes	1	High Speed Comp	$35	2 Miles	18 Miles	3PM 12NOON	72 Hours Prior to Arrival
Raddisson Hotel & Suites	$149/$149	Yes	Yes	1	High Speed at $14.22/24	$37	3 Miles	20 Miles	3PM 12NOON	72 Hours Prior to Arrival
Sheraton Hotel & Towers	$207/$227	Yes	Yes	3	High Speed at $9.95/24	$36	2.67 miles	18 Miles	3PM 12NOON	72 Hours Prior to Arrival
Swissôtel	$165/$185	Yes	Yes	2	High Speed at $9.95/24	$41	2.56 miles	18 Miles	3PM 12NOON	72 Hours Prior to Arrival
Westin Chicago River North Hotel	$207/$227	Yes	Yes	2	High Speed at $9.95/24	$38	2 Miles	19 Miles	3PM 12NOON	72 Hours Prior to Arrival
Westin Michigan Ave	$197/$217	Yes	Yes	1	12.95	$38	3.5 Miles	18 Miles	3PM 12NOON	72 Hours Prior to Arrival

Fitzpatrick Chicago Hotel

166 E Superior Street, Chicago, IL
Rates: $175/$175 (single/double)

Irish-themed and Irish-owned, the Fitzpatrick Hotel is an all-suite boutique property that caters to discriminating travelers. Spacious suites offer king or queen canopy bed lushly outfitted with pillow top mattresses and down comforters. Hotel sitting rooms feature pullout beds, a refrigerator and a trouser press. Internet access is available through data ports at a daily fee of $12.95. Guests can exercise at the hotel's fitness center or be pampered with manicures, facials and massages in the day spa. Guests can also enjoy the rooftop pool and sundeck with 360 degree views of the city and lake. The hotel is home to Chicago's newest Irish pub: Fitzers. All of the décor and furnishings, down to the bar itself were imported from Ireland.

Hilton Garden Inn

10 E Grand Avenue, Chicago, IL
Rates: $159/$159 (single/double)

This art-deco inspired hotel is graced with spectacular views of the city from its stunning lobby windows. Guest rooms are designed for comfort and convenience. Each room features either a king or two double beds, a large work desk coupled with an ergonomic chair, and a refreshment center (including microwave, coffee maker and refrigerator). Neutrogena products are featured in the average-sized bathroom. The 24-hour business center offers high-speed Internet access, fax machines, printing and copy services, and stationery supplies. If you require notary or secretarial services, both are available here. The hotel offers a modern fitness center with cardiovascular and strength training equipment plus an indoor pool and spa tub. You can also ask for a complimentary pass to the nearby fitness club where you can participate in a variety of classes. There are many excellent restaurants within walking distance, including The Weber Grill, Napa Valley Grille, Mother Hubbards, PF Changs, Rock Bottom Brewery and Hard Rock Café.

Holiday Inn Chicago City Centre

300 East Ohio Street, Chicago, IL
Rates: $159/$159 (single/double)

The Holiday Inn Chicago City Centre is just two blocks from Michigan Avenue and Chicago's top tourist destinations. Guest rooms offer king or double beds and incredible views of either the city or the lake. Each room has a "Smart Desk" workstation, with two multi-line speaker phones and data ports. The business center offers traditional services such as copy and fax machines in addition to workstations with Internet access. Complimentary passes to the Lake Shore Athletic Club are available to all hotel guests. The spectacular fitness center was voted by Men's Health magazine as one of the top ten fitness centers in the country. The Holiday Inn has three restaurants: 300 East — An American Café, Corner Copia, and Winners Bar & Grill.

ILLUM-0154

Hyatt Regency Chicago — *Co-Headquarters Hotel*
151 East Wacker Drive, Chicago, IL
Rates: $206/$226 (single/double)
Overlooking the Chicago River, this Hyatt flagship property is a luxurious, full-service hotel located within walking distance of the best that Chicago offers. Guest rooms feature air purifiers and are comfortable and well-appointed with either a king or two double beds. Managed by Pitney Bowes, the business center is lacking nothing and offers one-stop shopping for all business needs. Wired and wireless high speed Internet access is available in guest rooms for $10 per day. Wireless access is also available in the hotel lobby. Hotel guests can exercise in the in-house fitness center that offers Lifecycle stationary bicycles, treadmills and weights. For more services, guests can purchase a day pass to the exclusive Lakeshore Athletic Club for $20 per day. Stetson's Chop House serves a classic menu specializing in steaks and seafood. Networks, in the East Tower atrium — surrounded by a 4,000 square-foot reflecting pond with fountains — features American and Mediterranean cuisine. Connie's Ristorante & Pub offers a casual menu and micro brewed beers.

Hyatt Regency McCormick
2233 S Martin Luther King Drive, Chicago, IL
Rates: $219/$244 (single/double)
The Hyatt Regency McCormick is the closest hotel to McCormick Place. Guest rooms are comfortable and well appointed with either a king or two double beds. Wired and wireless high speed Internet access is available in guest rooms for $10 per day. The business center is well equipped to keep up with the needs of the business traveler. On-site digital printing and binding services are available in addition to traditional copying and faxing services. Computer workstations are available at a nominal cost. The hotel offers a fitness center with an indoor lap pool and sauna in addition to cardiovascular and strength training equipment. There is also complimentary shuttle service to downtown shopping areas and Navy Pier. Dining options in the hotel are limited to NetWorks, with its hometown favorites-filled menu. A cab or shuttle ride is necessary for a better selection.

James Hotel
616 North Rush Street, Chicago, IL
Rates: $165/$165 (single/double)
Great care has been taken in the design and furnishing of the spacious rooms, provoking a sense of calm with a touch of modernity. Luxurious beds have pillow top mattresses and high thread count sheets, while the bathrooms feature plush Turkish cotton towels and the very best in bath products. All suites have WiFi connections and 42" plasma televisions with satellite service. Mini bars are stocked with a mixology kit so that guests can concoct their own signature beverages. The hotel has a 2000+ square foot fitness center with top-of-the-line exercise equipment, innovative classes, a sauna and a full-service day spa.

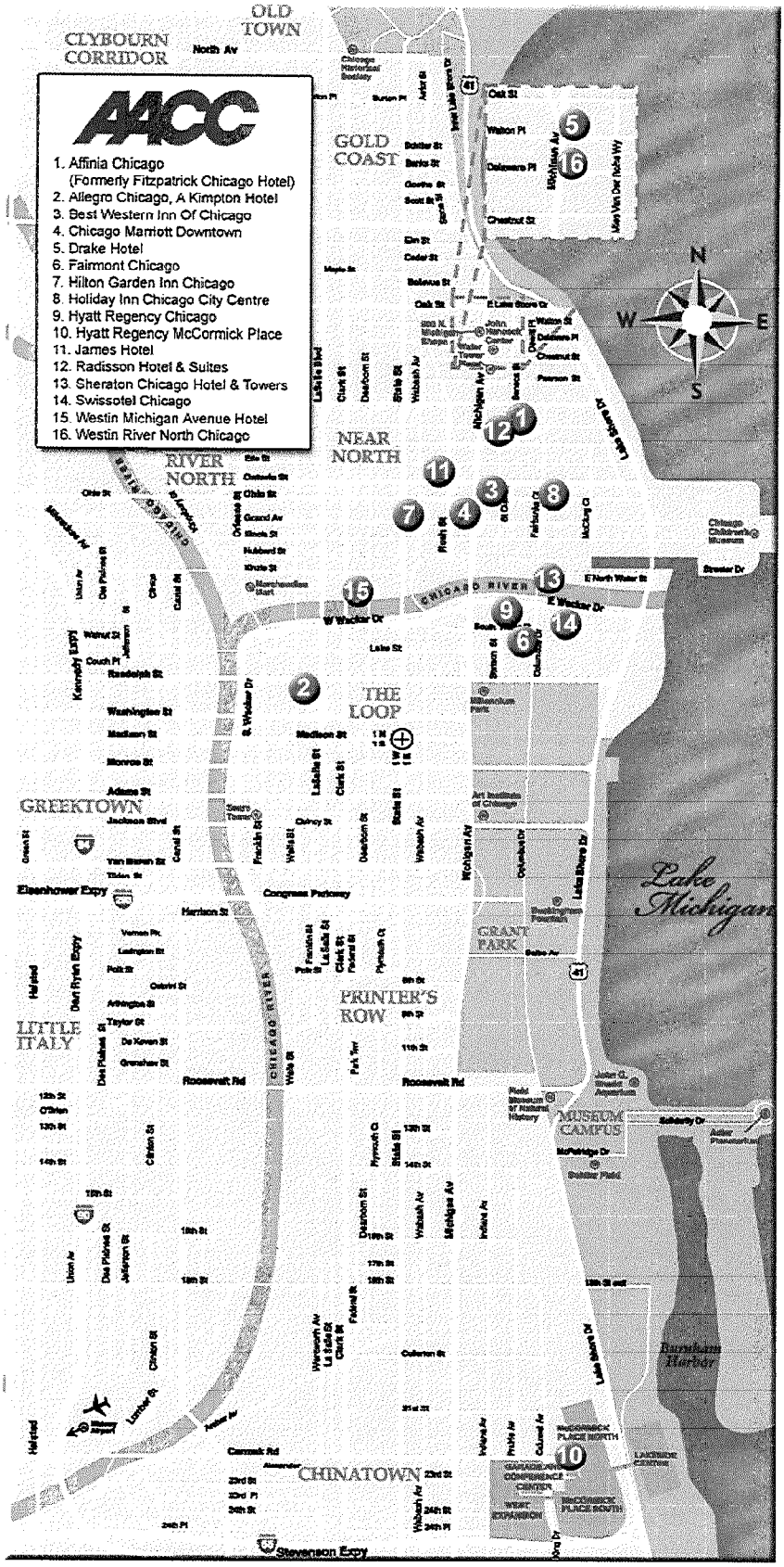
Radisson Hotel & Suites Chicago
160 E Huron Street, Chicago, IL
Rates: $149/$149 (single/double)
Newly renovated, the Radisson Hotel & Suites Chicago is just a half block from Michigan Avenue. Spacious guest rooms decorated in warm neutral tones feature Serta Elite pillow top mattresses and 27" televisions, executive-sized desks and ergonomic chairs. High-speed Internet access is available in guest rooms for $12.95 per day. The 24-hour business center offers copy and fax machines, digital printing and other traditional services. A state-of-the-art fitness center is located on the 40th floor, providing breathtaking views of the city and Lake Michigan. Elephant and Castle Pub offers a traditional British menu as well as a large collection of single malt scotches, imported beers and ales. There are also numerous restaurants west of Michigan Avenue, to both the north and south.

Sheraton Hotel & Towers
301 East North Water Street, Chicago, IL
Rates: $207/$227 (single/double)
Located near the mouth of the Chicago River and overlooking Lake Michigan, the Sheraton Hotel & Towers is an award-winning luxury hotel. Full of rich inlaid wood and polished marble, the spacious, domed lobby creates an impressive entrance. Newly renovated rooms feature the Sheraton Sweet Sleeper Bed and large bathrooms with massaging showerheads. High-speed Internet access is available for $14 per day. There is a full-service business center on the premises. The Sheraton's exercise facility is a complete health club with an indoor lap pool, state-of-the-art exercise equipment and rejuvenating massage treatments. Dining options include Shula's Steakhouse, Riverside Café (Bistro) and Spectator's Sports Bar.

Swissôtel
323 East Wacker Street, Chicago, IL
Rates: $165/$185 (single/double)
Soaring above the city of Chicago, the Swissôtel Chicago is a magnificent glass hotel catering to the discriminating tastes of the business traveler. The property earned a spot on Travel & Leisure magazine's list of 500 top hotels in the world. Stylish guest rooms offer glass-topped executive desks, high-speed wireless Internet access ($9.95/day), mini bars and CD players. The Business Center fulfills all on-site business needs such as photocopying, faxing and secretarial services. If needed, computers and cell phones are available for rental. There is a fitness center and a full-service spa on site, as well as an indoor pool and Jacuzzi. The hotel has two restaurants: The Palm Restaurant, delighting patrons for three generations with its tender-aged prime beef, traditional Italian cuisine and outrageously sized lobsters; and Geneva (open for breakfast only) offering American breakfast with a European flair.

Westin Chicago River North Hotel
320 North Dearborn, Chicago, IL
Rates: $207/$227 (single/double)
Located in the heart of the business and theatre district, this is Chicago's leading upscale, downtown hotel. Guest rooms are decorated in contemporary elegance and feature Heavenly Baths with two massaging showerheads, plush bathrobes and oversized Brazilian combed-cotton bath towels. Heavenly Beds pamper guests with pillow-top mattresses, down comforters and triple sheeting. The fee-based business center features a multilingual staff trained to assist guests with business and secretarial services. High-speed Internet access is available in rooms for $9.95 per day. For a nominal fee, guests can use the WestinWORKOUT Room, an extensive health club with massage therapy, certified personal trainers and a variety of cardiovascular and strength training equipment. The hotel has three restaurants: The Ember Grille (American cuisine with fire-roasted specialties); Kamehachi (award winning sushi, sashimi and traditional Japanese); and Celebrity Café.

Westin Michigan Avenue
909 N Michigan Avenue, Chicago, IL
Rates: $197/$217 (single/double)
Located on Chicago's Magnificent Mile in the heart of a shopper's paradise, the Westin's guest rooms offer views of either the city or Lake Michigan and are decorated in contemporary elegance, featuring Heavenly Baths with two massaging showerheads and Heavenly Beds with pillow-top mattresses, down comforters and triple sheeting. Business travelers will find all the services they need in the fully staffed business center. High-speed Internet access is available in rooms for $12.95 per day. For a nominal fee, guests can use the WestinWORKOUT Room, an extensive health club with massage therapy, certified personal trainers and a variety of cardiovascular and strength training equipment. The hotel's Grille on the Alley — a mahogany-paneled steakhouse — serves classic American cuisine.


AACC
1. Affinia Chicago (Formerly Fitzpatrick Chicago Hotel)
2. Allegro Chicago, A Kimpton Hotel
3. Best Western Inn Of Chicago
4. Chicago Marriott Downtown
5. Drake Hotel
6. Fairmont Chicago
7. Hilton Garden Inn Chicago
8. Holiday Inn Chicago City Centre
9. Hyatt Regency Chicago
10. Hyatt Regency McCormick Place
11. James Hotel
12. Radisson Hotel & Suites
13. Sheraton Chicago Hotel & Towers
14. Swissotel Chicago
15. Westin Michigan Avenue Hotel
16. Westin River North Chicago
CLYBOURN CORRIDOR
OLD TOWN
GOLD COAST
NEAR NORTH
RIVER NORTH
THE LOOP
GREEKTOWN
LITTLE ITALY
PRINTER'S ROW
GRANT PARK
MUSEUM CAMPUS
CHINATOWN
Lake Michigan
Burnham Harbor
CHICAGO RIVER
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Attendee* Hotel Reservation Form

*Exhibitors–please go to www.wynjade.com/exhibitors/aacc06 for Exhibitor Housing Forms.

You may complete this form or go directly to www.aacc.org/2006am to complete your reservation request.

Today's Date _____

Name on Room _____ Share with Name _____

Arrival Date _____ Departure Date _____

Company _____

Street Address _____

City, State/Country, Postal Code _____

Phone _____ Fax _____ Email _____

HOTEL PREFERENCES

If your choices are not available, AACC Housing Services will place you in a comparable hotel.

1: _____ 4: _____

2: _____ 5: _____

3: _____ 6: _____

SUITES

All Suites must be pre-approved by AACC and are on a first come first served basis. Meeting and function space will need to be reserved through AACC directly. If a suite is desired please indicate what type of suite you're requesting. Upon receipt you will receive a call from AACC Housing Services to further define your needs.

Please circle type of suite needed: Sleeping Suite Hospitality Suite

Please note: A deposit equal to the amount of one night's room rate must accompany all reservations; the credit card provided below will be charged at time of booking.

Credit Card Used *(please circle)* American Express MasterCard Visa Confirmation Code _____

Credit Card # _____ Expiration Date _____ MM/YY

Signature _____ Date _____ MM/DD/YY

Once this form is received by AACC Housing Services, you will receive a confirmation confirming your hotel. Please call the phone number to the right if you have any questions.

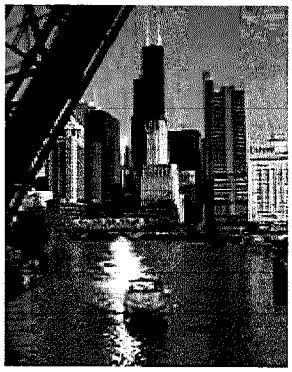
SEND COMPLETED FORM TO:
AACC Housing Services
6400 International Pkwy, Suite 2500
Plano, TX 75093
Phone: 866.546.4307 or 972.349.5423
Fax: 972.349.7715

Saturday, July 22; Sunday, July 23; Wednesday, July 26

Architectural Tour, Cruise and Lunch

9:00am – 3:00pm

Cost per person: Adult: $81.00/Child: $76.00



What better way to view Chicago's world-famous architecture than on a relaxing cruise on the Chicago River? Your specially trained architectural guide will point out the amazing array of more than 100 great architectural works. On your voyage you'll see such outstanding examples as the elegant Wrigley Tower, the world-famous Marina City, 333 Wacker with its dramatic curved glass walls, the classic Bauhaus styled IBM Building, and, of course, the Sears Tower. You'll see the work of such celebrated architects as Helmut Jahn; Holabird & Root; Skidmore, Owings & Merrill; and Ludwig Mies van der Rohe.

Lunch will be served at the Chicago Cooking Institute where a tantalizing menu has been selected for you.

After lunch you'll continue your architectural quest on land, with the opportunity to venture inside the foyers and lobbies and other renowned interior spaces of many more marvelous edifices. Included are Frank Lloyd Wright's stunning lobby of the Rookery Building and the 1984 Marquette Building with its celebrated rotunda lobby by Louis Comfort Tiffany, and many more.

Saturday, July 22; Sunday, July 23; Monday, July 24

Chicago Highlights with Sears Tower Observatory

8:30am – 1:00pm; 12:00pm – 4:30 pm

Cost per person: Adult: $45.00/Child: $38.00

Welcome to a whirlwind peek at the remarkable world-class city of Chicago! During four hours, your guide will point out such famous landmarks as the Wrigley Building, the Picasso Sculpture, 333 N. Wacker, Marina City Towers, The Marquette and Monadnock Buildings, The Old Water Tower and Water Tower Place, the newly renovated Navy Pier and much, much more. You'll travel along the picturesque Lake Michigan while your guide points out world-renowned architecture, majestic marble museums, the Magnificent Mile with its myriad of tasteful shops. You'll stop briefly near the three lakeside museums — the Field Museum, Shedd Aquarium and the Adler Planetarium — for a quick look back at the magnificent Chicago skyline and a great 'photo-op' across Lake Michigan.

You'll also stop at the world famous Sears Tower and take a ride to the 103rd floor — the Skydeck where, on a clear day, one can see three neighboring states. And as you return downtown, you'll pass the Museum of Science and Industry, the campus of the highly revered University of Chicago, Frank Lloyd Wright's masterpiece, the Robie House, as well as the awe-inspiring gothic cathedral, the Rockefeller Chapel.

ILLUM-0158

Monday, July 24

Frank Lloyd Wright Architectural Tour with Lunch

9:30am – 3:30pm

Cost per person: Adult: $83.00/Child: $79.00

Chicago is proud of its Frank Lloyd Wright architecture. And Chicago has an abundance of his work of which to be proud. Wright began his career in Chicago and spent his first 20 years learning and developing his craft here, leaving Chicago many magnificent and exquisitely maintained examples of both his budding and then his recognized genius.

On this exclusively designed tour you'll visit three selected examples of Chicago's finest Frank Lloyd Wright designs. You'll also journey through the Frank Lloyd Wright Prairie School National Historic District surveying the world's largest concentration of Wright-designed structures, as well as a rich contrasting selection of Chicago's loveliest Victorian Homes.

You'll begin with a tour of Frank Lloyd Wright's own home and studio. Wright experimented with his own family's abode. As your guide points out items of particular interest, you'll be able to trace his attempts with several new styles and forms and identify some of the new materials for which he would eventually become so famous and so sought after.

Considered by many to be among Wright's true masterpieces, the Robie House is now owned by the University of Chicago, and is located on the campus. This house is probably the quintessential example of Wright's Prairie House style with its dramatic cantilevers and horizontal planes, lightened by long, linear art glass windows.

The Unity Temple is understood to be one of Wright's favorite commissions. Your guide will point out the bold cubist design and the extraordinary use of poured concrete — both unprecedented at the time. You'll marvel at the contrasting sense of warmth and solace you feel in the Temple's magnificent sanctuary in spite of its dramatically angular and purposely institutional design.

Relax and enjoy the architecture and a picnic-style box lunch served at the Temple.

Tuesday, July 25

Chicago's Museum of Contemporary Art & the Art Institute of Chicago

9:30am – 3:30pm

Cost per person: Adult/Child: $51.00

A specially designed tour is planned for you at the Chicago's Museum of Contemporary Art. It will be directed and guided by one of the Museum's Senior Educators. The museum's entire collection includes works representing trends in art after 1945 in all media — paintings, sculpture, works on paper, photography, video, film and books.

Your tour continues at the world-renowned Art Institute of Chicago. The Institute presents a collection spanning 5,000 years of artistic expression. The museum will be featuring an exhibition of both urban and rural Japanese pieces, a Victorian collection, and an Architectural Exhibit. Also featured will be "Harry Callahan: The Photographer at Work" and "Drawings in Dialogue: Old Masters through Modern".

Enjoy lunch on your own at the Art Institute. And don't miss the Museum Shop for that perfect memento to take back home.

Guest Program/AACC Tour Reservation Form

DEADLINE FOR PRE-REGISTRATION IS JULY 12, 2006

Complete this form (please print clearly) and return to:

AACC-Creative Events, 2166 Broadway #334, Anaheim, CA 92804 or Fax to: 714-774-1753

Name _____

Mailing Address _____

City/Province _____ State _____ Postal Code _____ Country _____

Home Phone _____ Email _____

Business Phone _____ Fax _____

Indicate method of payment:

We accept the following credit cards: ☐ Visa ☐ MasterCard ☐ American Express *(All charges on your statement will appear as Creative Events)*

NAME AS IT APPEARS ON CARD _____ EXPIRATION _____ THREE DIGIT ID NUMBER ON BACK OF CARD _____

CARD NUMBER _____ AUTHORIZED SIGNATURE _____

☐ Check enclosed, *payable to Creative Events*

	TOUR DATE		PRICE (tax inclusive)		NUMBER OF TICKETS		TOTAL COST
Architectural Tour, Cruise & Lunch (Adult)	Saturday	7/22	$ 81.00	x	_____	=	$_____
Architectural Tour, Cruise & Lunch (Child)	Saturday	7/22	$ 76.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Adult)	Saturday	7/22	$ 45.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Child)	Saturday	7/22	$ 38.00	x	_____	=	$_____
Architectural Tour, Cruise & Lunch (Adult)	Sunday	7/23	$ 81.00	x	_____	=	$_____
Architectural Tour, Cruise & Lunch (Child)	Sunday	7/23	$ 76.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Adult)	Sunday	7/23	$ 45.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Child)	Sunday	7/23	$ 38.00	x	_____	=	$_____
Frank Lloyd Wright Tour & Lunch (Adult)	Monday	7/24	$ 83.00	x	_____	=	$_____
Frank Lloyd Wright Tour & Lunch (Child)	Monday	7/24	$ 79.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Adult)	Monday	7/24	$ 45.00	x	_____	=	$_____
Chicago Highlights & Sears Towers (Child)	Monday	7/24	$ 38.00	x	_____	=	$_____
Chicago's Art Institute & Art Museum	Tuesday	7/25	$ 51.00	x	_____	=	$_____
Architectural Tour, Cruise & Lunch (Adult)	Wednesday	7/26	$ 81.00	x	_____	=	$_____
Architectural Tour, Cruise & Lunch (Child)	Wednesday	7/26	$ 76.00	x	_____	=	$_____

TOTAL ENCLOSED $_____

A confirmation letter will be sent to each participant.

All tour tickets will be held for pick-up at the Tour Desk located at McCormick Place. Please allow plenty of time to pick up your tickets.

Additional tour tickets will be available for purchase at the Tour Desk. These tickets will have a $5.00 per ticket processing fee and are limited to space available for each tour time/date.

All tours will depart from and return to McCormick Place. Please arrive at the departure area 15 minutes prior to the scheduled departure time for the tour bus loading.

If you are unable to participate, refunds will be issued less a reservation cost of $5.00 per ticket if cancellation is received by July 12, 2006. Tours not meeting minimum requirements will be canceled. A full refund will be sent.

NO REFUNDS WILL BE ISSUED ON SITE.

For special assistance and information on tours, please call 714-758-1616.

REGISTRATION HOURS

Saturday, July 22, 2006	12noon – 5:00pm
Sunday, July 23, 2006	8:00am – 6:30pm
Monday, July 24, 2006	7:00am – 5:00pm
Tuesday, July 25, 2006	7:00am – 5:00pm
Wednesday, July 26, 2006	7:00am – 5:00pm
Thursday, July 27, 2006	8:00am – 2:00pm

Registration will be located in the McCormick Place Convention Center.

ACTIVITY LOCATIONS

McCormick Place Convention Center

Educational sessions including: Plenary Sessions; Symposia; Interactive Workshops; Short Courses; Meet the Experts; Brown Bags; Posters; Chair's Invited Sessions; and Oral Abstract Presentations

Hyatt Regency McCormick Place

Opening Reception

Hyatt Regency Hotel

AACC Governance Meetings
Affiliated Organization Meetings
International Reception

Fairmont Hotel

Affiliated Organization Meetings
Industry Workshops

TRAVEL AND TRANSPORTATION

Getting to Chicago

Take advantage of special rates...

AACC has negotiated discount air fares for Annual Meeting attendees. You can:

1. Call the airlines directly and reserve using discount codes.
   American Airlines –
   Meeting Code **A3876AH** @ 1-800-433-1790

   Continental Airlines –
   Meeting Code **V70Q0J/ZFNW** @ 1-800-468-7022

   Northwest Airlines –
   Meeting Code **NYT93** @ 1-800-225-2525
2. Reserve through AACC's official travel desk at Globetrotter Travel.

   Be sure to use Group Code **AACC0706** to qualify for the special rates.

   You can make your travel arrangements by:

   Calling 1-800-236-7684; press 1 for reservations

   Visiting the travel Web site at www.GlobetrotterMgmt.com/aacc

   Emailing us at AACC@GlobetrotterMgmt.com/AACC

Getting around Chicago

Although there are cabs available for transportation in Chicago, other than the complimentary shuttle service between most of the AACC and ASCLS official hotels and the McCormick Place Convention Center, you may wish to rent a car. AACC has arranged a special discounted program with AVIS Rent a Car to help you get the car you need. Reservations can be made by calling 1-800-331-1212, or online using the www.aacc.org/2006am website or the Avis website at www.avis.com. To be eligible for your discount, be sure to register using the group number **J868723** when placing your reservation. The AACC special rates are available from July 17, 2006 until August 4, 2006.

Getting to sessions and the Clinical Lab Expo

AACC Shuttle Service

AACC provides complimentary shuttle service between most official AACC and ASCLS hotels and the McCormick Place Convention Center. The shuttle service runs from 12noon on Saturday, July 22 through afternoon on Thursday, July 27, 2006. More detailed information — including shuttle schedules for each hotel — will be available at your hotel location and at the Convention Center.

SPECIAL NOTES FOR INTERNATIONAL ATTENDEES

Apply for your Visa now.

We urge you not to delay applying for your Visa, if you need one. Experience in 2005 shows that it is taking longer to get appointments for Visa interviews, so please allow several extra months for your application. If your local Consular office requires a "Letter of Invitation" from AACC, please send a request via email to invitation@aacc.org or by fax to Annual Meeting Invitations at fax number 001 202-833-4576. All "Letter of Invitation" requests must include your full name, title, organization, address, phone and fax number and email address.

Get On-site Assistance to Improve your Conference Experience.

When you arrive at the Annual Meeting and Clinical Lab Expo, be sure to visit the International Visitors Center in the McCormick Place Convention Center. Trade specialists will be available to help you identify manufacturers who have the products you seek, and who are interested in working with international customers.

HOUSING INFORMATION

Book your hotel room at AACC discount rates

AACC has negotiated special rates at leading hotels in Chicago and appointed a company to act as our official AACC Housing Service for the Annual Meeting and Expo. AACC will provide complimentary shuttle bus service from most of the official hotels to the McCormick Place Convention Center.

Reservations Deadline: July 5, 2006

After this date, every effort will be made to accommodate your request, subject to hotel availability and rate request.

- To identify the hotel where you wish to reserve your room, turn to page 88. Rooms are assigned in the order in which reservations are received. If your first or second choice is not available, you will be assigned a room in a comparable hotel.
- *Reservations must be guaranteed.* Please include either a credit card number or a check (payable to AACC Housing Service) for the first night's deposit. Your credit card will be charged when you reservation is received.
- Written confirmation will be faxed, mailed or emailed the next business day after receipt of your request.
- Changes and cancellations should be made through the AACC Housing Service at least two weeks prior to arrival. Changes may be subject to hotel availability. If less then two weeks before arrival, please refer to your confirmation for specifics on your hotel's change and cancellation policies.
- Many hotels now impose fees for early departures. This policy is at the discretion of the individual hotel and the amount of the fee varies by hotel. To avoid an early departure charge, be sure to verify your actual date of departure at the time of check-in.

To make your hotel reservations:

Online	www.aacc.org/2006AM
Call	866-546-4307 (within the US) or 972-349-5423 (international)
Fax*	972-349-5825
Mail*	AACC Housing Service 6400 International Parkway Suite 2500 Plano, TX 75093

*When registering via mail or fax, include a completed Housing Reservation form, located on page 91.

STAYING IN CONTACT WHILE AT THE ANNUAL MEETING

Messages/Product Locator

An electronic Message Center will be located in the registration area. Monitors will be placed in various locations through the McCormick Place Convention Center and in the Expo Hall. You may leave or retrieve messages at the Message Center or from any of the remote kiosks.

Email Stations – CyberLink

AACC offers participants the opportunity to check Email via Internet terminals located in the McCormick Place Convention Center. To access email from the show site, verify the name of your server with your systems administrator. To log on you may be required to enter this information along with your email address and password. Email users who normally access their account via the Internet (i.e. Hotmail or AOL) will only need to click on the appropriate icons present on each terminal.

All information is accurate at time of printing.

A portion of your hotel room rate is used to cover association costs for housing and shuttle buses.

ILLUM-0162

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AACC 2006 ANNUAL MEETING

July 23-27, 2006 • Chicago, IL

www.aacc.org/2006am

1850 K Street, NW
Suite 625
Washington, DC 20006

Phone: 1-800-892-1400
or 1-202-857-0717
Fax: 1-202-887-5093
Email: custserv@aacc.org

Exhibit 312

Representatives
Scherago International
11 Penn Plaza, Suite 1003, New York, NY 10001
Tel: (212) 643-1750 • Fax: (212) 643-1757/58
www.scherago.com

Final 2006 Exhibitor List

August 1, 2006

AACC
3M
3M Medical Diagnostics
A&T Corporation
A/C Diagnostics LLC
AAFP-Laboratory Proficiency Testing
Aalto Scientific, Ltd.
Abaxis
Abbott Diagnostics
Abbott Point of Care
Access Bio, Inc.
Accumetrics, Inc
Accumin Diagnostics, Inc.
AccuTest, Inc.
ACON Laboratories, Inc.
Acro Biotech, LLC.
Adaltis
ADEMTECH
Adeza Biomedical
Adhesives Research, Inc.
Advanced Instruments, Inc.
Advanced Microdevices Pvt. Ltd.
Aesku Diagnostics
Affymetrix, Inc.
Ahlstrom
Air Courier Dispatch, Inc.
Air Sea Atlanta, Inc.
Alfa Scientific Designs, Inc.
ALIFAX SPA
Aloka Co., Ltd.
ALPCO Diagnostics
Amano Enzyme USA Co., Ltd.
Amedica Biotech, Inc.
Ameditech, Inc.
American Bio Medica Corporation
American Biological Technologies, Inc.
American Board of Clinical Chemistry
American Diagnostica Inc.
American Medical Technologists
American Proficiency Institute
American Society for Clinical Laboratory Science
American Society for Clinical Pathology/Board of Registry
American Thermal Wizards Int'l Inc.
Ameritek USA

Amic AB
AmniSure International LLC
Analis
Analyticon Biotechnologies AG
AnaSpec, Inc.
Ani Biotech Oy & AniLabsystems Ltd
Antek HealthWare
Antibodies by Design
Applied Biosystems
Aries Filterworks, Division of ResinTech, Inc.
Arista Biologicals Inc
Arlington Scientific - ASI
Artel
ARUP Laboratories
Asahi Kasei Pharma Corporation
Aspyra
ASSEL - AMS
Astech Corporation
Asymtek
Atherotech
Audit MicroControls, Inc.
AutoGenomics Inc.
Autoimmunune Diagnostika GmbH/Cell
Avo Photonics, Inc.
Awareness Technology, Inc.
AWEX (Wallonia Export Agency)
Axis-Shield plc
AZOG, Inc.
B&E Scientific Instrument Co., Ltd.
Bayer HealthCare, Diagnostics Division
Baytree Leasing
BBI Diagnostics (A SeraCare Company)
BBInternational
BD
BD Lee Laboratories
Beaufort Advisors
Beckman Coulter, Inc.
Beijing Condor-Teco Medical
Berthold Detection Systems GmbH
BERTHOLD TECHNOLOGIES GmbH & Co. KG
Best Lab Deals, Inc.
Binding Site Inc., The
Bio Processing, Inc
Bio/Data Corporation
BioCheck, Inc.
Bio-Chem Valve and Omnifit
Biochemed Corporation
Biocode-Hycel
BIODESIGN International
BioDot, Inc.
BIOER TECHNOLOGY Co.,LTD
BioFX Laboratories, Inc.

Biogenesis
BIOHIT, Inc.
BioKit SA
Biological Specialty Corporation
BIOLYPH, LLC
Biomat
BioMed Resource Inc.
Biomedix
Biomerica, Inc.
bioMerieux, Inc.
Bio-Rad Laboratories
Biosearch Technologies, Inc.
Biosigma S.R.L.
Biosite Incorporated
Biosource
BIOSPACIFIC
BioTek Instruments, Inc.
BIOTRON DIAGNOSTICS USA
Biozyme Laboratories
BIVDA / GAMBICA
Blackhawk BioSystems, Inc.
Block Scientific, Inc.
BloodCenter of Wisconsin
BMD SA
BODITECH MED Inc.
BOMI IBERICA, S.A.
Boval Company, L.P.
Brady Medical
Bruker Daltonics Inc.
Burkert
Calbiotech Inc
Calzyme Laboratories, Inc.
Cambridge Consultants
CanAg Diagnostics
Capralogics Inc
Capricorn Products LLC
Cardinal Health
CARE Diagnostica International
Care Fusion, Inc.
Carl Zeiss MicroImaging, Inc.
Carolina Liquid Chemistries
Carville Ltd
CaseBauer
CellaVision
Cellestis, Inc.
Celliance
Centerchem Inc.
Centers for Disease Control & Prevention,TTO
Centers for Medicare & Medicaid Services-CLIA
Cepheid
Cerner Corporation
CERTEST BIOTEC S.L.

Chembio Diagnostics Systems, Inc.
Chemicon/Upstate
Childlab
Chromsystems GmbH
Ciphergen Biosystems, Inc.
CITOTEST LABWARE MANUFACTURING CO., LTD.
Clinica World Medical Technology News
Clinical & Laboratory Standards Institute
Clinical Analysis Corporation
Clinical Diagnostic Solutions, Inc.
Clinical Ligand Assay Society
CLINIQA Corporation
Cohesive Technologies Inc.
COLA
College of American Pathologists
Computype, Inc.
Conductive Technologies, Inc.
Copan Diagnostics, Inc.
Corbett Robotics
Corgenix, Inc.
Coris Bioconcept
CORMAY
CORTEX BIOCHEM
Cosmo Bio USA
Crony Instruments S.r.l.
CTK Biotech, Inc.
Custom Pack, Inc.
Cyro Industries/Degussa
Dade Behring, Inc.
Daiichi Pure Chemicals
DAS Srl
Data Comm for Business Inc.
Data Innovations, Inc.
Davco Resources LLC
David G. Rhoads Associates, Inc.
Dawning Technologies, Inc.
DCM Diagnostics LLC
Delta Industrial Services
Denka Seiken Co., Ltd
DenLine Uniforms, Inc.
Department of Veterans Affairs
Desert Biologicals/Omega Biologicals
Dexter Magnetic Technologies, Inc.
DFI Co., Ltd.
Diagam
Diagnostic Automation /Cortez Diagnostic, Inc.
Diagnostic Chemicals Limited
Diagnostic Laminations Engineering
Diagnostic Products Corp.
Diagnostica Stago, Inc.
DIALAB G.m.b.H
Diamedix Corporation

Diamics, Inc.
DiaSorin
DiaSys Diagnostic Systems GmbH
Diazyme Laboratories
DIBA Industries, Inc.
DIESSE Diagnostica Senese S.p.A
Dirui Industrial Co., Ltd.
DNA Vision
DOCRO, Inc.
DRD Diluter Corporation
Drew Scientific
DRG International, Inc.
Drucker Company, The
Drummond Scientific
Duke Scientific Corporation
DXS LIMITED
DYNEX Technologies Inc.
Ease Labs, Inc.
EastCoast Bio, Inc.
Eastern Plastics, Inc.
EFD Inc.
Egemin Automation Inc
eGene, Inc.
Ekips Technologies, Inc.
Elsevier
EMD Biosciences
EMD Chemicals, Inc.
Epocal Inc
Eppendorf AG
Eppendorf North America
EPS Bio Technology Corp.
EQUITECH-BIO, Inc.
ERBA Diagnostics Mannheim GmbH
ESA Biosciences, Inc.
Eurotrol
EVERGREEN SCIENTIFIC
EXAKT Technologies, Inc.
Excel Scientific, Inc.
Express Diagnostics Int'l, Inc.
Ferrotec (USA) Corporation
Filtrona Fibertec
Fine Care Corporation
Fisher HealthCare
Fluid Management Systems
Fluid Metering, Inc.
Focus Diagnostics
Foliage Software Systems
Fujirebio Diagnostics, Inc.
Furuno Electric Co., Ltd.
G&L Precision Die Cutting, Inc.
Gale Force Software Corporation
GE Healthcare

Gems Sensors Inc.
General Data
Genisphere, Inc.
Gen-Probe
Gentris Corporation
GenWay Biotech, Inc.
Genzyme Diagnostics
Globe Scientific Inc.
GML
Golden West Biologicals, Inc.
GONOTEC GmbH
Greiner Bio-One, Inc.
Grifols USA, Inc.
Guangzhou Improve Medical Instruments Co., Ltd.
Haemoscope Corporation
Hamamatsu Corporation
Hamilton Company
HandyLab, Inc.
Hardy Diagnostics
Harlan Bioproducts for Science
Haydon Switch & Instrument, Inc.
Headwall Photonics, Inc.
HeathRow Scientific
Hedwin Corporation
Heinz Optical Engineering
Helena Laboratories
Helena Laboratories - POC
HELMER
Hema Diagnostic Systems
Hemagen Diagnostics, Inc.
Hematechnologies, Inc.
HemoCue Inc.
Hemosure Inc
HIMEDIA LABORATORIES PVT. LTD
Hitachi High Technologies America, Inc.
Hoover Precision Products, LLC
HORIBAABX Diagnostics
HRA Research
HTL-STREFA S./Lancet International, Inc.
Huayang Analyse Instrument Co., Ltd.
Hycor Biomedical Inc.
HyTest Ltd.
Idaho Technology Inc.
IFCC-Intl Federation of Clinical Chemistry & Laboratory Medicine
Illumina, Inc.
ILS Innovative Laborsysteme GmbH
Imagene Technology Inc.
IMMCO Diagnostics
Immucor Gamma, Inc.
Immuno - Biological Laboratories, Inc. (IBL-America)
Immuno Concepts
Immunodiagnostic Systems (IDS)

Immunology Consultants Laboratory, Inc.
Immy
IMPAC Medical Systems, Inc.
InBios International, Inc.
IND Diagnostic Inc.
Indiana Pathology Images
Industrial Test Systems
Inmark, Inc.
Innovacon Inc.
Inotech Biosystems International
INOVA Diagnostics, Inc.
Instrumentation Laboratory
InTec Products, Inc.
IntelliDot Corporation
International Immuno-Diagnostics
International Immunology Corporation
Inverness Medical Professional Diagnostics
Invetech
Invitrogen
IQuum, Inc.
IRIS Diagnostics
Iris Sample Processing (StatSpin)
Isensix, Inc.
ITC
IVD Research, Inc.
IVD Technology Magazine
IVEK Corporation
Iwaki America Inc.
Jackson ImmunoResearch Laboratories, Inc
JAJ International
Japan Association for Clinical Laboratory Automation
JAS Diagnostics, Inc.
Joint Commission
Jokoh Co., Ltd
Kamiya Biomedical Company
Kelly Scientific Resources
Kem-En-Tec Diagnostics
KIKKOMAN CORPORATION
Kinematic Automation Inc.
Kloehn Co. Ltd.
KMC Systems, Inc.
KRONUS, Inc.
K-Sera, Inc.
Lab Manager Magazine™
Lab Medica
LabCorp-Esoterix
LabiTec GmbH, Germany
Labnovation Technologies, Inc
Laboratory Data Systems, Inc.
Lampire Biological Laboratories
LasX-Precision Medical Converting Group
Lathrop Engineering, Inc.

Lattice Inc
Lee Company, The
Legacy Health System
Leuze Lumiflex, Inc.
LG Life Sciences, Ltd.
LifeScan Inc., a Johnson & Johnson Company
LifeSign LLC
LINCO Research, Inc.
Linear Chemicals, S.L.
LipoScience, Inc.
LPS Industries
LRE Medical, an Esterline Company
Luminex Corporation
m.u.t GmbH
Magellan Biosciences, Inc.
Magna Bio Sciences
Magsphere Inc.
Maine Biotechnology Services
Maine Standards Company
MakroMed Manufacturing (PTY) Ltd.
March Plasma Systems
Market Research.com
Mayo Medical Laboratories
McKesson
MDSS - Medical Device Safety Service
Medcompare
Medica 2006/ Messe Duesseldorf North America
Medica Corporation
MEDICAL & BIOLOGICAL LABORATORIES
Medical Automation Systems
Medical Courier Elite by Taylor Data Systems
Medical Device Consultants, Inc.
Medical Laboratory Evaluation
Medical Learning, Inc.
Medical Staffing Network Inc.
MEDIPAN GmbH
Medivative Technologies LLC
Medix Biochemica
MedMira Inc
MEDTOX Laboratories, Inc.
Medtronic Inc.
Melcor Corporation
Mercodia Inc.
Meridian Bioscience, Inc.
Metro Mold & Design, Inc.
MGM Instruments, Inc.
Michigan Diagnostics, LLC
MICROGENICS
MICROLIT
Microscan Systems, Inc.
Microsens Iseao
Midland BioProducts Corp

Millenia Diagnostics, Inc.
Millipore Corporation
Mindray Co., Ltd.
MiniGrip
Misys Healthcare Inc.
Mitsubishi Kagaku-Iatron
MLO-Medical Laboratory Observer
Monobind Inc.
Moss, Inc.
MP Biomedicals
MT Promedt Consulting GmbH
Multiplex Biosciences
Multisorb Technologies, Inc.
Nalge Nunc International
Nano-Ditech Corporation
Nanogen, Inc.
Nanosphere, Inc.
National Academy for Clinical Biochemistry
National Jewish Medical & Research Center
National Laser Services
National Registry of Certified Chemists
NCA -National Credentialing Agency for Laboratory Personnel, Inc.
Neogen Corporation
NERL Diagnostics
New England Small Tube
NICHIREI BIOSCIENCES, INC.
NIKON Instruments Inc.
NIST
Noble Medical, Inc.
NOF CORPORATION
Norgren Inc.
Nova Biomedical
NTE, S.A.
NuAire Inc.
Obelis
OEM Concepts Inc.
Olympus America, Inc.
Omega Diagnostics Ltd
OPERON S.A.
OraSure Technologies, Inc.
Orchard Software Corp
Orgenics Ltd.
Ortho-Clinical Diagnostics
Osmetech Moleculer Diagnostics
Owen Mumford Inc.
Oxonica Inc.
Oyster Bay Pump Works, Inc.
Pall Life Sciences
Parker Hannifin Corp
Parter Medical Products, Inc.
PBM-Princeton BioMeditech Corportion
PEAK-Service USA

Peripheral Resources Inc.
PerkinElmer Life and Analytical Sciences
Perlong Medical Equipment Co., Ltd.
Phadia (Pharmacia Diagnostics)
Pierce
Pierce Milwaukee
Plasmatec Laboratory Products Ltd.
Pointe Scientific, Inc.
Polymedco, Inc.
Polymer Laboratories, A Varian, Inc. Company
POLYMICROSPHERES
Polysciences, Inc/Bangs Laboratories Inc
Porex Technologies
Power Place, Inc., The
Precision Systems Inc.
PRIMUS Corporation
Prodesse, Inc
Proliant Health and Biologicals
Promega Corporation
Protedyne Corporation
Puritan Medical Products Co. LLC
PVT LabSystems LLC
QAS
QIAGEN Inc.
Quad Five
Quadra Spec, Inc.
Quantimetrix Corporation
Quantum Analytics
Quest Diagnostics Incorporated
Quidel Corporation
Quimica Clinica Aplicada, S.A.
R&D Systems, Inc.
R2 Diagnostics
Radim SpA
Radiometer America Inc.
RAM Scientific, Inc.
RANDOX LABORATORIES LTD
Rayto Life & Analytical Sciences Co, Ltd
R-Biopharm AG
RD Plastics Company
Rees Scientific Corporation
Reference Diagnostics, Inc.
Reference Laboratory, The
Remel Inc.
Research Organics, Inc.
Response Biomedical Corp
Rheodyne, LLC
RNA Medical
RND Group, Inc., The
Roche Diagnostics
Roche Diagnostics Corporation
Rocky Mountain Diagnostics, Inc.

Rotek Industries
Runbio Biotech Co., Ltd.
SA Scientific
SaatiTech
SAFC
Safe-Tec Clinical Products, Inc.
Saladax Biomedical, Inc.
Salimetrics LLC
Sapphire Engineering, Inc.
Sarstedt, Inc.
Sartorius Corporation
Scantibodies Laboratory Inc.
SCC Soft Computer
SCIMEDX Corporation
SCIPAC Ltd.
Scripps Laboratories
SDI Biomed, Inc.
Seatec/Teco
Sebia Electrophoresis
SENTINEL Diagnostics
Separation Technology, Inc. (STI)
SEPPIM - ELITECH
SeraCare Life Sciences
Seradyn, Inc.
Serion Immundiagnostica GmbH
Serotec
SFRI Diagnostics
Shamrock Scientific Specialty
Shanghai Chemtron Biotech Co., Ltd.
Shanghai Fosun Med-Tech Development co., Ltd
Shanghai SIIC Kehua Biotech Co., Ltd.
Sias AG
Sifin GmbH
SimPort Plastics Ltd
SKF USA Inc.
SLR Research Corporation
SMC Corporation of America
Softtech Health
Source Scientific, LLC
Southern Biotech
Span Diagnostics Limited
Specialty Laboratories
Spherotech Inc.
SPINREACT, SA
STANBIO LABORATORY
Standard Diagnostics, Inc.
Standard Register
STRATEC Biomedical Systems AG
Strategic Diagnostics/Strategic BioSolutions
Streck
Sud-Chemie Performance Packaging
Super Brush LLC

SurModics, Inc.
Sutter Health
Symbol Technologies
Symprotek Corporation
Syntron Bioresearch, Inc.
Sysmex
Taidoc Technology Corporation
Tecan US, Inc.
Technidata America Medical Software, LLC
Techno Medica Co. Ltd.
Teco Diagnostics
TELCOR
Tennant Packaging Corp.
Tetracore, Inc.
Thermo Electron Corporation
Third Wave Technologies
Tm Bioscience Corporation
TOKYO BOEKI LTD.
Tosoh Bioscience, Inc.
Toyobo Co., Ltd. c/o Shinko American Inc
TRINA BIOREACTIVES AG
Trinity Biotech
UCP Biosciences, Inc.
UNC Hospitals
UNICO
Uniflex
United Biotech, Inc.
Upchurch Scientific
Uritest Medical Electronic Co., Ltd
US Diagnostics
US Filter, a Siemens Business
USHIO, INC.
UTAK Laboratories, Inc.
ValuMax Protective Apparel Inc.
Varian, Inc.
VEDALAB
VIAFLO
ViraCor Laboratories
Viral Antigens, Inc.
ViraLab Inc
Vircell S.L.
ViroStat, Inc.
Vista Technology Inc.
Vital Diagnostics
Vivaproducts, Inc.
Vonco Products
VWR International
W.H.P.M. Bioresearch of Technology Co., Ltd.
Wako Diagnostics
Warde Medical Laboratory
Waters Corporation
Web Converting, Inc.

Wescor, Inc.
WesTgard QC, Inc.
Whatman
Wheaton Science Products
Wiener Laboratorios SAIC
Wolters Kluwer Health - Lippincott Williams & Wilkins
Wondfo Biotech Co., Ltd.
Worthington Biochemical Corporation
WSLH Proficiency Testing
XDX
Xiril
YD Diagnostics
Zentech
ZeptoMetrix Corporation
Zeta Corporation
ZheJiang Gongdong Medical Plastic Factory

Total Exhibiting Companies	644
Total Booths	1,764

Exhibit 313

VERIFIABLE DATA

The difference
between
good data
and great data
is in the code.

veracode™
BY ILLUMINA®

ILLUM-0466

illumina®

VeraCode™ technology. A digital revolution.

Illumina's unique VeraCode digital holographic code technology delivers unparalleled data quality for a multitude of bioassay formats. Precision and verifiability—that's the promise contained in every VeraCode microbead.

Unique code technology

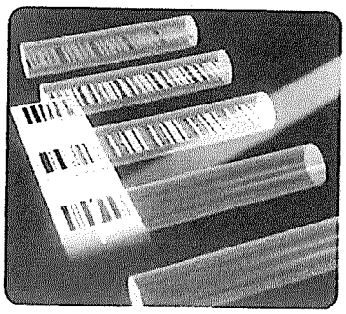
VeraCode's breakthough technology is based on the use of cylindrical glass microbeads that:

- Measure 240µm in length x 28µm in diameter
- Contain a unique holographic code
- Are highly stable
- Provide information, such as target of interest in multiplex assays
- Enable tracking of critical identifiers
- Can easily carry high-density codes (24-bit), for virtually unlimited bead types

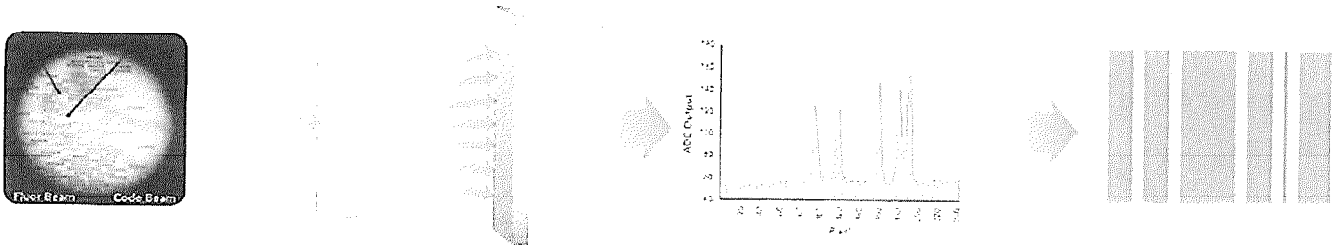
Making the code

The VeraCode digital code uses a patented holographic inscribing and detection process:

- The center of each bead supports a nano-meter-scale, permanent change to index of refraction when exposed to ultraviolet light
- This index change forms a hologram that is imprinted via a local structural change of the glass matrix
- Successive writing of holograms into one microbead produces a specific pattern, or holographic code



Each Illumina VeraCode bead contains a code that identifies the bead type. This information is combined with the assay readout for down-stream analysis.



Code Detection

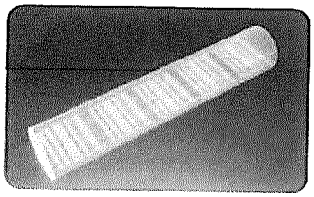
The holographic code image in each microbead diffracts an incident laser beam into multiple components. These components make up the optical "signature" of the bead code, which can be read using a CCD camera contained within the BeadXpress™ Reader.

100% verifiability means true precision.

Imagine the possibilities

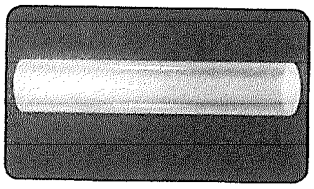
This versatile technology is the solution for applications that benefit from robust, multiplex-based testing methods. Apply the code to fit your research needs. The possibilities are limitless, but include:

- Biomarker research and validation
- Pharmaceutical development
- Industrial testing
- Agriculture
- Clinical research
- Molecular diagnostic assay development



Why the code?

The unique digital holographic code contained within each VeraCode microbead enables customizable tracking of multiplex assay markers and critical identifiers such as sample ID, laboratory ID, and reagent kits. Up to 24 bits of information inscribed in each code allows for an unprecedented level of error checking, improving the robustness of the optical readout process and providing a level of reliability that sets a new standard in multiplex testing.



Why the glass?

The high-purity silica glass used to make VeraCode microbeads has physical properties that make it an ideal substrate for attachment of biomolecules. The beads' surface chemistry enables easy development of a wide variety of nucleic acid and protein-based assays. The glass purity also minimizes any fluorescent background, so there is no interference with readout, providing a highly stable platform for reliable and reproducible results.

VeraCode BY ILLUMINA

A breakthrough in multiplex range and assay flexibility.

VeraCode is the technology solution that grows with your needs and remains relevant during dynamic changes in your research pursuits.

Flexible multiplexing range

Whether you need a single-plex antibody detection assay or a 384-plex genotyping assay, VeraCode is the only technology to offer true multiplexing and assay versatility on one platform, providing researchers with a single powerful solution capable of meeting all of their assay needs.

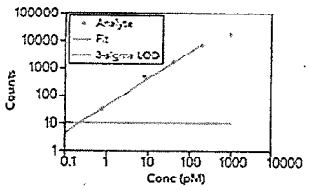
- 1- to 384-plex-per-sample range is ideal for the development of focused research assays
- Multiplexing levels are achieved by simply pooling uniquely coded beads
- VeraCode microbeads use non-overlapping bead codes providing highly specific detection and unequalled precision

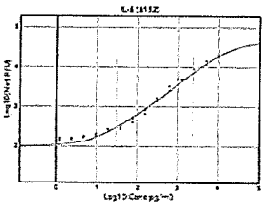
Unparalleled assay flexibility

The glass surface of the VeraCode microbeads provides a single, flexible platform for the development of numerous types of solution-based bioassays with the power of microarrays. Existing applications for VeraCode include, but are not limited to:

- Genotyping
- Gene expression
- Protein-based assays

Unmatched versatility in both multiplexing levels and assay applications





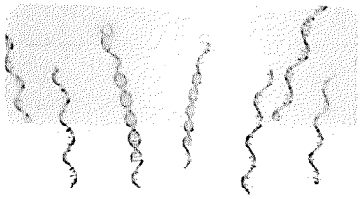
Perform multiple assay applications—such as SNP genotyping, gene expression, and protein-based assays—all on a single platform.

Multiplexed assay applications

GoldenGate® Genotyping

Illumina has adapted the proven power and flexibility of its GoldenGate Assay for use with the VeraCode technology. The GoldenGate protocol enables:

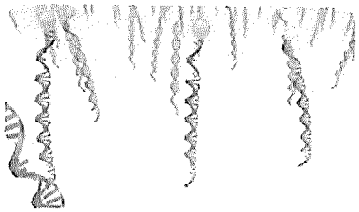
- Simultaneous genotyping of 96 to 384 SNPs for each sample in a 96-well microplate
- A high degree of multiplexing throughout successive extension and amplification steps
- Minimization of time, volume, and material requirements
- Call rates, reproducibility, and heritability rates >99.9%



Universal Capture Beads

Design your own customized nucleic acid-based assays using VeraCode Universal Capture Bead sets. Each set features a unique oligonucleotide capture sequence and allows easy selection of multiplexing level by simply pooling different tubes of uniquely coded beads.

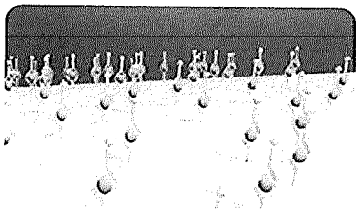
- Unique oligonucleotide bead types offer one-of-a-kind code identifiers
- High-density capture oligonucleotides immobilized on the microbeads provide a flexible and open platform for assay development
- Pre-screened capture sequences avoid cross-reactivity within genome

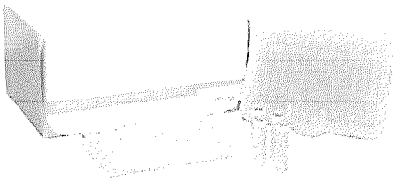


Carboxyl Beads

The VeraCode Carboxyl Bead sets provide a powerful and open base for the development of protein-based assays by enabling the immobilization of specific capture antibodies on a coded carboxyl bead surface, thereby offering a limitless range of assay possibilities.

- Custom multiplex levels are achieved by pooling different tubes of uniquely coded carboxyl microbeads
- Superior low-end precision delivers highly sensitive assays
- Proven sensitivity and specificity demonstrated in a 10-plex cytokine assay





Assay bead kits are conveniently packaged for specific applications.

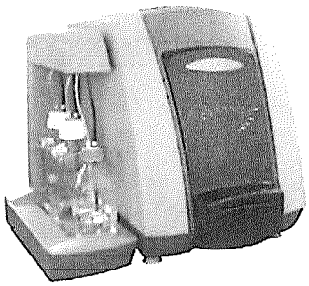
veracode BY ILLUMINA

Extraordinary accuracy and reliability.

The BeadXpress Reader

Assays developed for the VeraCode microbeads are analyzed with Illumina's patented BeadXpress Reader, a high-throughput, two-color laser detection system designed to be compatible with standard laboratory automation. The key features of the BeadXpress System include:

- A fluidic system and reagent carrier that enable the scanning of multiple plates per day without the need to refill system buffers
- An open-platform, two-color laser detection bioassay system that supports the development of single-color assays such as Allele Specific Primer Extension (ASPE), as well as two-color assays such as Illumina's GoldenGate Assay
- Rapid sample throughput rates of 120 samples/hr. at 10-plex and 80 samples/hr. at 96-plex
- Analysis of standard 8-well strips or 96-well plates



The Illumina BeadXpress Reader employs a dual-color laser detection system to identify and analyze each VeraCode bead.

Robust performance

VeraCode microbeads provide a highly stable platform. Because assays developed with VeraCode microbeads typically include 25 to 30 replicates of each bead type, the data generated is particularly robust. Using the BeadXpress System, VeraCode microbeads are:

- Optically sampled up to a dozen times each, providing about 300 independent data points for each analyte
- Randomly arrayed in the groove cell to minimize scanner errors
- Inscribed with up to 24 bits of information; the initial bits in a code sequence are used for error checking, thereby greatly improving the reliability of the readout and results

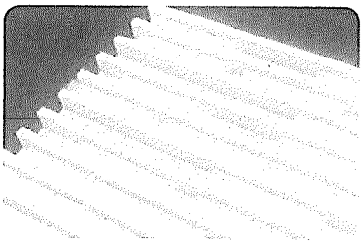
Powerful and friendly analysis software

Powerful VersaScan Software provides user-friendly customization of scanning protocols and is compatible with Illumina's proven BeadStudio Data Analysis Software.

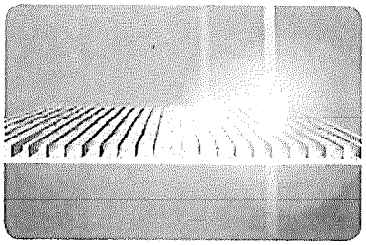
- Enables acquisition and viewing of intensity data, report generation, and data extraction for application-specific data analysis modules
- Generates *.csv and *.idat files for data export to Illumina BeadStudio or third-party data analysis programs

Get into the groove.

One of the patented technologies developed to enable the rapid and accurate readout of the VeraCode microbeads is the transparent groove plate. The groove plate forms the bottom of a fluidic cell that has 8 chambers, one for each well in a column of a standard 96-well plate. Through a unique combination of fluid flow, gravity, and capillary force, the VeraCode microbeads enter the groove plate cell and align closely within the grooves.



Once aligned, the entire cell is read by the optical system for fluorescent measurement and code classification. This approach creates a spatially random array of particles at a high packing density that enables rapid and accurate detection of the unique bead codes and the assay-specific fluorescence results.



beadxpress™

Service that's always 100% Illumina.

With your purchase, Illumina will ensure that your BeadXpress system is properly installed and qualified, and will provide ongoing maintenance and service. Illumina also offers:

- Unlimited support by phone from Technical Support Scientists
- Extended warranty plans to meet the specific needs of your laboratory
- Customized training packages with our skilled Field Applications Scientists

VeraCode™ technology.

The difference between good data and great data is in the code.

The revolutionary VeraCode system, with its unique digital holographic code technology, offers:

- Unmatched data precision and verifiability
- Robust performance and customizable tracking
- A flexible single platform for numerous bioassay formats, including genotyping, gene expression, and protein-based assays
- An ideal solution for low- to mid-plex levels: 1 to 384 targets/samples in a single well
- Rapid and accurate high-throughput, 2-color laser detection system
- User-friendly analysis software

Visit www.illumina.com or call 800.809.4566 to see how the VeraCode difference can revolutionize your research.

VeraCode BY ILLUMINA

Illumina, Inc.

WORLDWIDE HEADQUARTERS

9885 Towne Centre Drive
San Diego, CA 92121-1975
1.800.809.4566 (toll free)
1.858.809.4566 (outside the US)

www.illumina.com

REGIONAL OFFICES

Illumina Australia
+61.8.8357.3120

Illumina China
+86.10.6410.8530 tel
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+86.10.8453.9218 fax

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www.pant.com.tw

Thailand
(BioActive)
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+66.2.350.3080 fax

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Exhibit 316

ANNOUNCEMENT!

EraGen Biosciences and Illumina® are pleased to announce a premier strategic partnership that combines the flexibility of our MultiCode®-PLx technology with the power of the BeadXpress instrument platform.

Come talk to us for more information about this exciting multiplex solution for your laboratory!

EraGen Biosciences Booth #1607
Illumina® Booth #1411

illumina®

ILLUM-3642

Exhibit 317

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