REGISTRATION

Register by June 4 and save
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Best Products - Best Performance - Best Protection
Dear Colleague:

Education, Networking and Exposition are the three pillars of the 2009 AACC/CSCC Annual Meeting and Clinical Lab Expo in Chicago July 19 to 23.

Education: Choose from five full days of educational sessions. Learn from experts — or share your own experiences in interactive sessions — in areas such as pharmacogenomics, autoimmune disease, toxicology, molecular diagnostics, cancer, training of clinical lab personnel, microarray technologies, cardiac and vascular disease, interpreting lab data, and much more. You won’t want to miss out on the Plenaries, Symposia, Meet the Expert and Chairs Invited sessions — all included in the general registration fee. Can’t afford the time commitment or expense of the full Annual Meeting? Then join us on Sunday for AACC University, where you can register for a variety of Short Courses and Interactive Workshops, without paying the general registration fee. See pages 9 and 20-23 for details.

Networking: The 2009 Annual Meeting and Clinical Lab Expo provide unparalleled opportunities to spend time with your peers from around the world, in educational sessions, social events and special interest group meetings or over a cup of coffee. A preliminary list of networking opportunities is included in this brochure. Check the Annual Meeting website frequently for the most up-to-date listings.

Exposition: We are expecting nearly 700 vendors in the 2009 Clinical Lab Expo where you’ll be able to meet with vendors and evaluate products in POCT, clinical, molecular and genetic diagnostics, OEM, informatics and middleware, biotech, automation and more. For a preliminary list of exhibitors, see page 13. Check the AACC website for the latest exhibitor list.

Technological advances and economics are shifting the roles of clinical laboratory directors and scientists. These duties and responsibilities may be further affected by the enactment of healthcare reform. Join us to explore the traditional and nontraditional roles that we play in today’s healthcare industry and learn how to adapt to the constantly changing laboratory environment. Explore solutions — offered by experts at the podium and peers in various interactive formats — to some of your thorniest challenges. Network and build relationships that will maintain their value after you return home. Most of all get updated on science and technology that affects the clinician’s role in healthcare delivery.

We hope to see you in Chicago this July. Together we can learn about current clinical lab trends and prepare to meet the needs of the future.

Sincerely,

Barbara M. Goldsmith, PhD
2009 President, AACC

Raymond Lepage, Ph.D, FCACB
2009 President, CSCC

P.S. Register by June 4 and save on your conference fee. See page 69 to register or sign up online: www.aacc.org/2009am.

All information in this brochure is accurate as of March 5, 2009, but subject to change.
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See inside pages for Annual Meeting-At-A-Glance Schedule and Personal Meeting Planner

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MAKE THE MOST OF YOUR VISIT TO CHICAGO DURING THE AACC/CSCC 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 as well as our web site to help create your personal agenda for the meeting. 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, analytical methods and more, go to our web site at www.aacc.org/2009am to search sessions by topic.

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. The center Meeting-At-A-Glance section will guide you to the various session selections so that you can evaluate formats and make choices that fit 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 18) 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 – GO ONLINE
Go to www.aacc.org/2009am to search for sessions by: topic, speaker, date, time or type of session.

Register by June 4 and save! Turn to page 69 or go to www.aacc.org/2009am

SESSION DESCRIPTIONS
Each session is assigned a level of content — Basic, Intermediate, or Advanced. The definitions of these levels are as follows:

Basic — introductory content appropriate for participants who lack previous training or experience in the subject, or whose previous experience or training is minimal.

Intermediate — requires knowledge of the basic theory applicable to the general subjects, and some prior training and education in the subject.

Advanced — specialized content appropriate for those with working knowledge of current theory and practice who wish to refine their skills or to learn the newest principles and techniques.

These brief descriptions of the types of sessions will help you in planning your meeting schedule:

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 lectures are presented by experts actively involved in the field. 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 Symposia 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 Course 10:30am – 12noon
  - Afternoon Short Course 1:30pm – 4:00pm
- Monday, Tuesday, Wednesday
  - Full Day Short Course 10:30am – 12noon and 2:30pm – 5:00pm
  - Morning Short Course 10:30am – 12noon
  - Afternoon Short Course 2:30pm – 5:00pm
INTERACTIVE WORKSHOPS

Attendance is limited. Session fees are required at time of registration. Interactive Workshops promote active 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 are presented 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 EXPERT

Open to all conference registrants.
Attendance is limited to 50 persons and will be on a first-come, first-served basis. There is no session fee required; however, be sure to arrive early to get a seat. This is your opportunity to join a small group of interested colleagues for intense, interactive discussions with Plenary speakers and other invited experts.

Meet the Expert Sessions Times

Monday, Tuesday, Wednesday

10:30am – 11:30am

CHAIR’S INVITED SESSION

Open only to conference registrants.
The Chair of the 2009 Annual Meeting Organizing Committee created this special session of particular importance to Annual Meeting attendees.

Chair’s Invited Session

Wednesday

10:30am – 12noon and 2:30pm – 5:00pm

POSTER SESSIONS

Open only to conference registrants.
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. These posters will be recognized in the Poster Sessions by the NACB Distinguished Abstract ribbon.

Poster sessions are held during the following times:

Tuesday and Wednesday

9:30am – 5:00pm

Thursday

9:30am – 12noon

SPECIAL POSTER PRESENTATIONS

NACB evaluates the highest scoring accepted abstracts and selects exceptional ones for special presentation. You are invited to attend the oral presentations of selected NACB Distinguished Abstracts on Tuesday afternoon in the McCormick Place Convention Center.

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

AACC UNIVERSITY

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. If you take a course on Sunday only, you are also invited to attend the Sunday Plenary Session and the Opening Mixer.

AACC University Times

Sunday

10:30am – 12noon
1:30pm – 4:00pm
ACKNOWLEDGMENTS AS OF MARCH 5, 2009

3M Health Care
   POCC Forum

Abbott Diagnostics
   Hotel Keycards (selected hotels)
   NACB Alvin Dubin Award
   Registration Portfolios
   POCC Forum

ACON Laboratories
   Exhibitor Lanyards

AIT Laboratories
   TDM/Toxicology Division Saturday Symposium

AutoGenomics
   Van Slyke Foundation Silent Auction & Reception Fundraiser

BD Diagnostics – Preanalytical Systems
   International Travel Fellowship Award
   International Travel Grant (through a gift to AACC’s Van Slyke Foundation)
   SYCL Domestic Travel Grant (through a gift to AACC’s Van Slyke Foundation)

Beckman Coulter, Inc.
   Award for Outstanding Contributions through Service to the Profession of Clinical Chemistry
   Award for Outstanding Contribution for a Publication in the International Journal Clinical Chemistry
   International Travel Grant (through a gift to AACC’s Van Slyke Foundation)
   Student Travel Grants (through a gift to AACC’s Van Slyke Foundation)
   American Board of Clinical Chemistry Reception
   Carl Jolliff Award for Lifetime Achievement in Clinical or Diagnostic Immunology
   Garry Labbe Award for Contributions to Laboratory Assessment of Nutritional Status

Bio-Rad Laboratories
   American Board of Clinical Chemistry Reception

Biosite
   POCC Forum

Canon Communications, LLC
   International Market Briefing

Diagnostica Stago, Inc.
   ClinPack Door Drop Bags

Fujirebio Diagnostics, Inc.
   Attendee Lanyards

Genzyme
   Student Poster Contest (through a gift to AACC’s Van Slyke Foundation)
   Student Oral Presentations Contest (through a gift to AACC’s Van Slyke Foundation)

Instrumentation Laboratory
   POCC Forum

Invetech
   International Market Briefing

Iris International, Inc.
   International Travel Grants (through a gift to AACC’s Van Slyke Foundation)
   SYCL Domestic Travel Grant (through a gift to AACC’s Van Slyke Foundation)

ITC
   CyberLink Email Stations
   POCC Forum

LifeScan
   Point-of-Care Coordinator of the Year Award

Medical Automation Systems
   POCC Forum

Nova Biomedical
   American Board of Clinical Chemistry Reception
   POCC Forum

Olympus America Inc., Diagnostics Systems
   Exhibit Hall Lounges
   AACC Bookstore Bags
   Award for Outstanding Contributions to Clinical Chemistry in a Selected Area of Research
   International Travel Grants (through a gift to AACC’s Van Slyke Foundation)

Orasure
   TDM/ Toxicology Division Saturday Symposium

Ortho Clinical Diagnostics
   Award for Outstanding Clinical Laboratory Contributions to Improving Patient Safety

Osmetech
   Molecular Pathology and Nutrition Divisions Saturday Symposium

PerkinElmer
   Van Slyke Foundation Silent Auction & Reception Fundraiser
Quest Diagnostics Nichols Institute  
Award for Outstanding Contributions in Education

Roche Diagnostics  
Award for Outstanding Scientific Achievements by a Young Investigator  
American Board of Clinical Chemistry Reception  
Molecular Pathology and Nutrition Divisions Saturday Symposium  
TDM/ Toxicology Division Saturday Symposium

Siemens Healthcare Diagnostics  
Outstanding Lifetime Achievement Award in Clinical Chemistry and Laboratory Medicine  
The Morton K. Schwartz Award for Significant Contributions in Cancer Research Diagnostics  
NACB Distinguished Scientist Award  
American Board of Clinical Chemistry Reception

Utak Laboratories, Inc.  
Utak Young Investigator Award in Therapeutic Drug Management and Toxicology

Wallace H. Coulter Foundation  
The Wallace H. Coulter Lectureship Award
**ORGANIZING COMMITTEE AND CE CREDIT INFORMATION**

**2009 ANNUAL MEETING ORGANIZING COMMITTEE**
**JULY 19-23, 2009**
**CHICAGO, ILLINOIS**

---

**Chair**
James Wesenberg, PhD  
David Thompson  
Health Region  
Red Deer, Canada

**Vice Chairs**
Mary Lou Gantzer, PhD  
Siemens Healthcare Diagnostics  
Newark, DE

Tom Annesley, PhD  
University of Michigan  
Ann Arbor, MI

**Plenary/Meet the Expert**
William Winter, MD  
University of Florida  
Gainesville, FL

**Symposia**
Stanley Lo, PhD  
Children’s Hospital of Wisconsin  
Milwaukee, WI

Jack Zakowski, PhD  
Beckman Coulter, Inc.  
Brea, CA

---

**Interactive Workshops/Short Courses**
Nikola Baumann, PhD  
University of Illinois Medical Center at Chicago  
Chicago, IL

Salvador Sena, PhD*  
Danbury Hospital  
Danbury, CT

**Brown Bags**
Nathalie Lepage, PhD  
Children’s Hospital of East Ontario  
Ottawa, ON Canada

**Abstracts Review**
Loralie Langman, PhD  
Mayo Clinic  
Rochester, MN

**Volunteers**
Liana Romero, MS, MBA, MT (ASCP)  
OraSure Technologies  
Bethlehem, PA

**AACC Meetings**
Gail Mutnik, MPA  
Washington, DC

---

* Does not appear in this photo

---

**HOW TO EARN CONTINUING EDUCATION CREDIT**

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

AACC also designates Continuing Education activities for ACCENT® credit. AACC is an approved provider of continuing education for clinical laboratory scientists in 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 (including the Poster Sessions), you must be registered for the Annual Meeting. All attendees, including Expo-Only attendees, are eligible to earn ACCENT® credit for attending the Lab Expo.

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”.

Detailed instructions about how to claim Continuing Education credit will be provided on-site at the Annual Meeting.
AACC University includes 12 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. See pages 20-23 for details.

- Blood Gas and Blood Lactate Measurements: The Latest Clinical Information in the Critical Care Arena 191001
- Concepts and Practices in the Evaluation of Laboratory Methods 191002
- Serum Protein Electrophoresis: Standardized Interpretation, Algorithms, and High Resolution Capillary Electrophoresis 191003
- Principles and Practices of Molecular Diagnostics and Pharmacogenomics 191004
- Defining and Reporting Critical Laboratory Values in Adult and Pediatric Practices 191005
- Laboratory Statistics with EXCEL Templates 191006
- A Practical Guide to LC/MS/MS for the Clinical Laboratory 191007
- The Use of Clinical and Current Routine Laboratory Data in the Evaluation of Hemoglobinopathies and Thalassemias 191008
- The Central Role of the Sample: Principles and Case Studies in Reducing Laboratory Errors 191009
- Training and Competency Testing of Clinical Laboratory Personnel 191010
- Managing Low Level Troponin Results: Case Study Presentations 191011
- Therapeutic Drug Management for Antiepileptic Drugs: Past, Present and Future 191012

Ticketed sessions require additional fees
INTERACTIVE SESSIONS AND CASE STUDIES

Do you learn better by actively participating in your sessions? Here is a list of sessions in the 2009 Annual Meeting program that promise you opportunities to participate in case studies, discussions and preparing reports, plans and proposals.

SUNDAY, JULY 19

Laboratory Statistics with EXCEL Templates 191006
Morning Interactive Workshop 10:30am – 12noon
The interactive workshop will promote statistical understanding through the use of EXCEL templates and EXCEL files. Presentation of statistical concepts will be followed by applications using EXCEL. The course will put special emphasis on the development of self-education techniques.

The Use of Clinical and Current Routine Laboratory Data in the Evaluation of Hemoglobinopathies and Thalassemias 191008
Afternoon Interactive Workshops 1:30pm – 4:00pm
The increased use of HPLC and capillary electrophoresis in addition to electrophoretic techniques has tended to move the evaluation of hemoglobinopathies and thalassemias from the hematology laboratory to the chemistry laboratory. This interactive workshop will provide a general overview of how clinical, hematologic and other laboratory data obtained from current methods can be used to diagnose hemoglobinopathies, thalassemias or both. These concepts will be demonstrated through the use of case studies, examples, discussion and problem-solving exercises.

The Central Role of the Sample: Principles and Case Studies in Reducing Laboratory Errors 191009
Afternoon Interactive Workshop 1:30pm – 4:00pm
This afternoon interactive workshop will use case studies, problem solving and group discussions to educate attendees about interventions to reduce pre- and post-analytic errors and enhance both patient and staff safety. Topics will include: misidentification of specimens, errors associated with specimen containers and collection technique, specimen processing errors, specimen storage, closed tube sampling, and sample integrity checks.

Training and Competency Testing of Clinical Laboratory Personnel 191010
Afternoon Interactive Workshop 1:30pm – 4:00pm
This interactive workshop will focus on designing a training and competency assessment program that will aid in providing clinical laboratory personnel with thorough instruction while providing the institution with necessary documentation to meet requirements of various regulatory agencies. Topics to be covered include: how training and competency differ; developing checklists for training; planning a competency program that allows the employee to have input in the design; setting acceptable criteria for performance and action to take in cases of unacceptable performance. Examples of a successful program will be presented followed by an open floor discussion of application. Attendees will be asked to share their experiences and ideas for these processes.

Managing Low Level Troponin Results: Case Study Presentations 191011
Afternoon Interactive Workshop 1:30pm – 4:00pm
This interactive workshop will present case studies that illustrate how laboratorians, emergency physicians, and cardiologists use and interpret low level troponin results in managing patients with suspected or proven cardiovascular disease. The moderator will present each case study and direct the discussions among each speaker.

MONDAY, JULY 20

Evidence Based Laboratory Medicine and Outcomes: An Industrial Strength Approach 22309
Full Day Interactive Workshop
10:30am – 12noon and 2:30pm – 5:00pm
"Is there evidence that performing the test is beneficial to health outcomes?" This issue has become a primary concern for laboratory test decisions. The workshop will focus on using EBLM processes for asking the right question, identifying the right design and expected outcomes, and critically appraising the evidence.

Interactive Cases in Pediatric Practice 22116
Morning Interactive Workshop 10:30am – 12noon
Using electronic voting technology, participants in this interactive workshop will test and expand their knowledge of laboratory issues unique to pediatric practice through case presentations. Cases will include disease states such as cystic fibrosis, hyperbilirubinemia, inborn metabolic disease, seizures, renal function, and childhood obesity.

Controversies in Thyroid Function Testing and Interpretation 22215
Afternoon Interactive Workshop 2:30pm – 5:00pm
This interactive workshop will address major controversies in thyroid testing, which include: 1) FT4 assays: how do immunoassays and dialysis equilibrium compare? 2) TSH: should the upper limit of the reference interval be lowered? and 3) Thyroid testing in pregnancy: how do TSH/FT4 change during pregnancy?
The following three main topics will be addressed in this session:

1) laboratory reports – why, how and what could be done better?
2) reporting critical difference; and 3) integration of new ideas into reports. This session will be very interactive with facilitated small group discussions revolving around the key learning objectives.

**WEDNESDAY, JULY 22**

**Teaching Leadership and Management Principles to Future Laboratory Directors 24109**
*Morning Interactive Workshop 10:30am – 12noon*

This workshop will review examples of formal programs for teaching leadership and management skills to future laboratory directors, comparing and contrasting various approaches. The experience of one institution in initiating a formal leadership and management course for residents and fellows will be explored in detail. This information will be the basis for a certificate in laboratory management offered by the AACC Management Sciences Division.

**Clinical Toxicology Cases 24111**
*Morning Interactive Workshop 10:30am – 12noon*

In this interactive workshop the investigation and treatment of a variety of different poisonings will be explored collaboratively with the audience. Cases with a series of options at different stages of the case scenario will let the audience consider interventions as information is revealed. 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.

**Clinical Cases in Coagulation Testing – What Does the PTT Tell Us and When Should We Listen? 24210**
*Afternoon Interactive Workshop 2:30pm – 5:00pm*

This interactive workshop will use case studies and group discussion to: 1) review the measurement of the activated partial thromboplastin time (aPTT) with emphasis on important pre-analytic factors; 2) review the current in vivo models of hemostasis with an emphasis on important differences between what the aPTT determines and what is actually occurring in the blood vessel; and 3) discuss the laboratory findings in different case scenarios where the aPTT is prolonged (of these, only a subset of the cases will be associated with hemorrhage).

**Hot Topics in Point–of–Care Testing 24214**
*Afternoon Interactive Workshop 2:30pm – 5:00pm*

This session will provide the latest information on new developments in point–of–care testing in chemistry, microbiology, and coagulation. Topics include intensive glucose control, lactate testing, information management, infectious disease testing, anti–platelet therapy, and hemostasis assessment/therapy. Case studies, examples and exercises will illustrate practical approaches to these issues.
DON’T MISS THE LARGEST CLINICAL LAB EXPOSITION IN THE WORLD

July 21-23, Chicago, IL

See new science and technology in every area 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 650 organizations occupying nearly 1,900 booths. You will see more products in more clinical lab disciplines than at any other conference and expo:

More International Exhibitors

- Abused drugs
- Allergy
- Autoimmune disease
- Automation and robotics
- Blood gas/Electrolytes
- Bone markers and osteoporosis
- 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
- Information systems/Informatics
- Microbiology
- Molecular diagnostics
- Nutrition
- OEM and research products
- Patient self-testing
- Pharmacogenomics
- Point-of-care and POL testing
- TDM/Toxicology
- Thyroid testing
- Urinalysis
- Viral genotyping

... and much more

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 the 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 our website at www.aacc.org/2009am/exhibitors

where you can search the list by company name or by more than 200 product categories. The OEM, Biotech and Research sections of the Expo will make it easy for product designers and scientists to find the products and services they need for product development and research.

The exposition is open:

Tuesday, July 21 9:30am – 5:00pm
Wednesday, July 22 9:30am – 5:00pm
Thursday, July 23 9:30am – 2:00pm

You need this time to check out the new workstations, applications and 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 you come to the Clinical Lab Expo to ask tough questions and to make purchasing recommendations and 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/2009am.

Note: AACC’s liability insurance prohibits children under 18 on the exhibit floor or in educational sessions.
# 2009 CLINICAL LAB EXPO EXHIBITORS

2009 Clinical Lab Expo  
Exhibitor List as of February 20, 2009

<table>
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<th>Arlington Scientific Inc.</th>
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Omega Diagnostics Group PLC
OPERON S.A.
Opticon, Inc.
OraSure Technologies, Inc.
Orchard Software Corp.
Ortho-Clinical Diagnostics
OYC Americas, Inc.
Oyster Bay Pump Works, Inc.

P
Pall Life Sciences
Panacea Pharmaceuticals, Inc.
Peripheral Resources, Inc.
PerkinElmer, Inc.
Phadia US Inc.
PharmaSults, LLC
Pharmigene, Inc.
PHILIPS
Pointe Scientific
Polymedco, Inc.
POLYMICROSOPHERES
Polysciences/Bangs Laboratories, Inc.
Precision Antibody
Precision Systems Inc.
PremierDx
Prodesse, Inc
Proliant Health and Biologicals
Proper Manufacturing Co.
Psyche Systems Corporation
PVT LabSystems, LLC
PZ CORMAY SA

Q
Quantimetrix Corporation
Quantum Analytics
Quest Diagnostics Nichols Institute
Quidel Corporation
Quimica Clinica Apicadada, S.A.

R
R&D Systems, Inc.
R2 Diagnostics
Radiometer
Randox Laboratories
RapiGEN Inc
R-Biopharm
RD Plastics Company
Rees Scientific
Research Organics, Inc.
RNA Medical, division of Bionostics, Inc
RND Group, Inc., The
Roche
Rotek Industries
RTEmd

S
SA Scientific LTD
SAFC
Saladax Biomedical, Inc.
Sarstedt, Inc.
Sartorius Stedim Biotech
Scantibodies Laboratory Inc.
SCC Soft Computer
SCIMEDX Corporation
Scipac Ltd.
Scripps Laboratories
Sebia Electrophoresis
Seegene, Inc.
Sekisui Medical
Sensor Electronic Technology
Sepmag Technologies
Sequenom Center for Molecular Medicine
SeraCare Life Sciences
Serion Immundiagnostica GmbH
Seyonic SA
Shamrock Scientific Specialty
Shanghai Kehua Bioengineering Co., Ltd.
Shanghai Fosun Med-Tech Development co., Ltd
Shanghai ZJ Bio-Tech Co., Ltd.
Sias AG
Siemens Healthcare Diagnostics
Siemens Water Technologies
Sifin GmbH
SimPort
SLR Research Corporation
SMC
SMC Corporation of America
SNIBE Co, Ltd.
Southern Biotech
Span Diagnostics Ltd.
Spherotech, Inc.
Spinreact - Concateno Group
Stanbio Laboratory
Standard Diagnostics, Inc.
Statens Serum Institut (SSI)
STRATEC Biomedical Systems AG
Strategic Diagnostics Inc.
Streck, Inc.
Sud-Chemie Performance Packaging
Sunquest Information Systems
SurModics
Swisslog
Syntron Bioresearch, Inc.
Sysmex
Taidoc Technology Corporation
Taigen Bioscience Corporation
Tecan
TECHLAB, Inc.
Techno Medica Co. Ltd.
Tekra Corporation
TELCOR
Tetacore, Inc.
Thermo Scientific
thinXXS Microtechnology AG
Tosoh Bioscience, Inc.
Trek Diagnostics Systems, Inc.
TRINA BIOREACTIVES AG
Trinity Biotech
TWD TradeWinds Inc.
UCLA Health System
Urit Medical Electronic Co., Ltd
UTAK Laboratories, Inc.
ValuMax International
VEDALAB

V
Vircell S.L.
ViroStat, Inc.
Visgeneer Inc.
Vital Diagnostics

W
W.L. Gore & Associates
Wako Diagnostics
Wallonia Foreign Trade and Investment Agency
Warde Medical Laboratory
Waters Corporation
Web Industries, Inc.
Welch Allyn Lighting Products
Wescor, Inc., an ELITech Group Company
Westgard QC, Inc.
Whatman, Part of GE Healthcare
Wheaton Science Products
Wilmad-Labglass
Wondfo Biotech Co., Ltd.
Worthington Biochemical Corporation
WSLH Proficiency Testing

X
Xceed Molecular
Xiril AG

Y
YD Diagnostics

Z
Zebra Technologies
ZeptoMetrix Corporation
Zhejiang Gongdong Medical Plastic
Zinsser Analytic
PLENARY OVERVIEW

SUNDAY, JULY 19
5:00pm – 6:30pm

How Doctors Think 11001
Level: Intermediate
CE Credit: 1
2009 Wallace H. Coulter Lectureship Award
Jerome Groopman, MD
Beth Israel Deaconess Medical Center
Boston, MA

Session Overview: This presentation will highlight what goes on in doctors’ minds as they treat patients. Sometimes an algorithm can be used to establish a diagnosis. However, the obvious diagnosis may not be correct. Dr. Groopman will share recommendations about how we can be taught to think as clinicians, thus leading to improved patient care.

MONDAY, JULY 20
8:45am – 10:15am

Aquaporin Water Channels: From Atomic Structure to Clinical Medicine 12001
Level: Intermediate
CE Credit: 1
Peter Agre, MD
Johns Hopkins University School of Medicine
Baltimore, MD

Session Overview: Nobel-prize winning researcher and physician Peter Agre will discuss the discovery and the clinical importance of aquaporins. The largest constituent of the body is water, and aquaporins are membrane water channels. The distribution of water between the intracellular and the extracellular compartments, and between the intravascular and interstitial spaces is key to maintaining health and homeostasis.

TUESDAY, JULY 21
8:45am – 10:15am

Developments in T Cells Relevant to Clinical Laboratory Scientists 13001
Level: Intermediate
CE Credit: 1
Kenneth Murphy, MD, PhD
Washington University School of Medicine
St. Louis, MO

Session Overview: Dr. Murphy will discuss new developments in T cell biology. In addition to Th1 and Th2 cells, CD4 T cells now include the newly described Th17 and regulatory T cell subsets. Disorders of regulatory T cells likely underlie many autoimmune diseases and may contribute to allergic disorders and chronic inflammation.
WEDNESDAY, JULY 22
8:45am – 10:15am

Patient Safety and Healthcare Outcomes at the Clinical Interface: Achieving National Priorities for Action and Improvement 14001
Level: Intermediate
CE Credit: 1
Carolyn Clancy, MD
Agency for Healthcare Research & Quality
Rockville, MD

Session Overview:
Dr. Carolyn Clancy, director of the Agency for Healthcare Research and Quality (AHRQ), will provide an overview of current trends and pressures that are shaping the healthcare delivery system; describe the importance of engaging all stakeholders, particularly the clinical laboratory, in achieving high quality care through research and evidence; and explain how collaboration at the local level can lead to national strategies for improved patient outcomes. Key contributors to success include information technology, evidence-based management of care and rapid translation of new advances into clinical practice.

THURSDAY, JULY 23
12:30pm – 2:00pm

Management of Drug-Drug Interactions 15001
Level: Intermediate
CE Credit: 1
Neil Sandson, MD
Perry Point VA Medical Center
Perry Point, MD

Session Overview:
Therapeutic drug monitoring (TDM) allows the titration of medication dosages to produce desired serum concentrations in order to avoid toxicity and sub-therapeutic dosing. Dr. Sandson will highlight how TDM can also play a critical role in preventing significant drug-drug interactions (DDIs). This presentation will also examine when it is appropriate to measure free drug and parent-metabolite concentrations.

DON’T MISS YOUR CHANCE TO MEET THE EXPERT

Most plenary speakers have agreed to join a limited number of conference participants in an extended Q&A session. Attendance in these sessions will be strictly limited to the first fifty persons on a first-come, first-served basis.

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.

REGISTER FOR THE AACC/CSCC ANNUAL MEETING TODAY
www.aacc.org/2009am
Sunday’s Schedule*

8:00am – 11:00am
**LVDD Executive Committee (Board) Meeting**
Hyatt Regency Chicago

8:30am – 11:00am
**AACC Board Meeting**
Hyatt Regency Chicago

9:00am – 12noon
**CACB Oral Examinations**
Sheraton Chicago Hotel & Towers

9:00am – 4:00pm
Hyatt Regency Chicago

10:00am – 12noon
**Short Courses: AACC University**

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

12noon – 2:00pm
**CACB Accreditation Committee**
Sheraton Chicago Hotel & Towers

12noon – 2:00pm
**International Travel Grant Luncheon**
Hyatt Regency Chicago

12noon – 2:00pm
**CACB Maintenance of Competence Committee**
Sheraton Chicago Hotel & Towers

1:00pm – 2:30pm
**Divisions Awards and Networking Meeting**
Hyatt Regency Chicago

1:15pm – 4:30pm
**Van Slyke Foundation Board of Trustees Meeting**
Hyatt Regency Chicago

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

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

2:00pm – 5:00pm
**CACB 2005-2006 Board of Directors Meeting**
Sheraton Chicago Hotel & Towers

3:00pm – 4:30pm
**TDM-TOX Division Membership Meeting**
Hyatt Regency Chicago

3:00pm – 5:30pm
**CPOCT Division Executive Committee Meeting**
Hyatt Regency Chicago

3:00pm – 5:00pm
**NGSP Steering Committee Meeting**
Hyatt Regency Chicago

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

6:45pm – 7:45pm
**AACC/CSCC Opening Mixer**
Hyatt Regency McCormick Place

8:00pm – 10:00pm
**Chicago Local Section Member Networking Mixer**
Hyatt Regency Chicago

If no location is specified, the session will take place at the McCormick Place Convention Center.

* Please check the AACC/CSCC Annual Meeting Website at [www.aacc.org/2009am](http://www.aacc.org/2009am) for the most up-to-date schedule.
How Doctors Think 11001
2009 Wallace H. Coulter Lectureship Award

Jerome Groopman, MD
Beth Israel Deaconess Medical Center, Boston, MA
Level: Intermediate • CE Credit: 1

Session Overview: This presentation will highlight what goes on in doctors’ minds as they treat patients. Sometimes an algorithm can be used to establish a diagnosis. However, the obvious diagnosis may not be correct. Dr. Groopman will share recommendations about how we can be taught to think as clinicians, thus leading to improved patient care.

Please check the AACC Annual Meeting website at www.aacc.org/2009am for Expected Outcomes for each session.

2009 AACC AWARDS TO BE PRESENTED DURING THE OPENING PLENARY SESSION

Larry A. Broussard, PhD, DABCC, FACB
LSU Health Sciences Center
Past President’s Award

Jerome E. Groopman, MD
Harvard Medical School and Beth Israel Deaconess Medical Center
The Wallace H. Coulter Lectureship Award
Endowed by the Wallace H. Coulter Foundation, Miami, FL

The Wallace H. Coulter Lectureship Award recognizes an outstanding individual who has demonstrated a lifetime commitment to, and made important contributions that have had a significant impact on education, practice and/or research in laboratory medicine or patient care.

As of 2009, the renamed award (which was formerly The AACC Lectureship Award) honors Wallace H. Coulter, inventor of the “Coulter Principle” and founder of Coulter Corporation. This simple but elegant invention revolutionized hematology and the practice of laboratory medicine, pioneered the field of flow cytometry and defined particle characterization. AACC has named its most prestigious lecture in Wallace Coulter’s memory to commemorate his outstanding contributions to diagnostics and his championship of research and innovation. It is fitting that his legacy will be celebrated with lectures by renowned leaders in healthcare.
Full Day Short Courses
AACC University
10:30am – 12noon | 1:30pm – 4:00pm

**Blood Gas and Blood Lactate Measurements: The Latest Clinical Information in the Critical Care Arena 191001**
Moderator: John Toffaletti, PhD, DABCC, Duke University 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 full day short course will provide clinical, pathophysiological, and practical information that will allow the participant to understand and interpret how blood gas, cooximetry, and blood lactate results are utilized to triage, diagnose, and manage the patient in critical care settings.

**Morning Speakers**

**Blood Gases: Concepts, Physiology, and Sample Handling**
John Toffaletti, PhD, DABCC, Duke University Health System, Durham, NC

**Blood Gas Case Discussions**
Charles Cairns, MD, FACEP, UNC School of Medicine, Chapel Hill, NC

**Afternoon Speakers**

**Blood Lactate Testing: Concepts, Physiology, and Sample Handling**
John Toffaletti, PhD, DABCC, Duke University Health System, Durham, NC

**Blood Lactate Case Discussions**
Charles Cairns, MD, FACEP, UNC School of Medicine, Chapel Hill

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**Concepts and Practices in the Evaluation of Laboratory Methods 191002**
Moderator: David Koch, PhD, DABCC, Grady Memorial Hospital & Emory University, Atlanta, GA
Level: Intermediate • CE Credit: 1.5 & 2.5
Developed in cooperation with Clinical & Laboratory Standards Institute (CLSI) and Management Sciences Division

Session Overview: This short course will discuss the process of evaluating clinical laboratory methods and help participants develop an understanding of the correct approach to this key clinical laboratory task. This course uses a series of clinical laboratory evaluation examples to focus attention on the critical aspects of the method evaluation process.

**Morning Speaker**

**Reporting of Serum Protein Electrophoresis Results: Which Findings Should Be Reported and How?**
Edward Randell, PhD, BS, Health Care Corp. of St. John’s, Canada

**Afternoon Speakers**

**Professional Practice and Algorithms**
Christine Collier, PhD, FCACB, Queen’s University, Kingston, Canada

**Capillary Serum Protein Electrophoresis Everyday**
Jean-Pierre Emond, PhD, Hospital Notre-Dame du CHUM, Montreal, Canada
Principles and Practices of Molecular Diagnostics and Pharmacogenomics 191004
Moderator: Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee
Level: Intermediate • CE Credit: 1.5 & 2.5
Developed in cooperation with Association for Molecular Pathology and Molecular Pathology Division

Session Overview: Clinical molecular diagnostics detects genomes or mutations associated with disease diagnosis and pharmacogenomics. This full day short course will provide an introduction to the basic principles of molecular diagnostic methods and pharmacogenomics, detailed descriptions of several clinical applications such as infectious diseases and oncology, plus an update on current and pending regulatory, reimbursement, and laboratory organization issues.

Morning Speakers

Technologies for Molecular Diagnostics
Gregory Tsongalis, PhD, ABB, Dartmouth Medical School, Dartmouth-Hitchcock Medical Center, Norris Cotton Cancer Center, Lebanon, NH

Principles of Molecular Diagnostics for Infectious Disease - Viral Genome Detection
John Howe, PhD, Yale University School of Medicine, New Haven, CT

Afternoon Speakers

Molecular Diagnostics in Oncology
Barbara Zehnbauer, PhD, FACMG, Washington University School of Medicine, St. Louis, MO

Clinical and Translational Pharmacogenomics
Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee

Lab Organization, Regulation, and Reimbursement in Molecular Pathology
Andrea Ferreira-Gonzalez, PhD, Virginia Commonwealth University, Richmond

Defining and Reporting Critical Laboratory Values in Adult and Pediatric Practices 191005
Moderator: Carmen Wiley, PhD, DABCC, FACB, Marshfield Clinic, WI
Level: Intermediate • CE Credit: 1.5 & 2.5
Developed in cooperation with AACC SYCL

Session Overview: This short course will outline an experience-based approach, as well as review the current literature for defining critical values for adult and pediatric hospital settings. An overview of the current information management options for the reporting of critical tests and critical results will also be provided.

Morning Speakers

Critical Values in Adult Practice
Corinne Fantz, PhD, Emory University, Atlanta, GA

Critical Values in Pediatric Practice
Dennis Dietzen, PhD, DABCC, Washington University School of Medicine, St. Louis, MO

Afternoon Speakers

Critical Values vs. Critical Tests Lists: Practical Considerations
Kent Lewandrowski, MD, Massachusetts General Hospital, Boston

Critical Value Reporting and Laboratory Information Systems
Alexis Carter, MD, Roswell, GA

Semi-Urgent Tests/Values: Important, But Not Necessarily "Critical"
Paula Santrach, MD, FCAP, FACB, Mayo Clinic, Rochester, MN

Morning Interactive Workshop
AACC University
10:30am – 12noon

Laboratory Statistics with EXCEL Templates 191006
Moderator/Speaker: Dietmar Stockl, PhD, STT Consulting, Horebeke, Belgium
Level: Intermediate • CE Credit: 1.5
Session Overview: This interactive workshop will promote statistical understanding through the use of EXCEL templates and EXCEL files. Presentation of statistical concepts will be followed by applications using EXCEL. The course will put special emphasis on the development of self-education techniques.

Attendees must bring their own personal laptop (with EXCEL loaded). PERSONAL LAPTOPS ARE REQUIRED.
Sunday, July 19

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

A Practical Guide to LC/MS/MS for the Clinical Laboratory 191007
Moderator: James Ritchie, PhD, DABCC, FACB, Emory University Hospital, Atlanta, GA
Level: Basic • CE Credit: 2.5
Developed in cooperation with TDM & Toxicology Division and Proteomics Division

Session Overview: This short course will provide a general introduction to mass spectrometry, which will be built upon throughout the session to allow the attendees to see how the building blocks can be assembled into a routine assay. Typical challenges in method development will also be addressed as well as an overview of one lab’s experience with implementing this new technology into routine practice.

Afternoon Speakers

Demystifying Mass Spectrometry
Michael Morris, BSc, PhD, C.Chem, FRSC, Waters Corporation MS Technology Centre, Manchester, United Kingdom

Evaluating & Implementing Analyses Using LC Tandem in a Clinical Laboratory
Susan Maynard, PhD, Carolinas Medical Center, Charlotte, NC

Ionization & Matrix Effects: Importance in Assay Validation
Thomas Annesley, PhD, University of Michigan, Ann Arbor

So You Want to Run Immunosuppressant Drugs by LC/MS/MS – One Lab’s Early Experiences
James Ritchie, PhD, DABCC, FACB, Emory University Hospital, Atlanta, GA

Therapeutic Drug Management for Antiepileptic Drugs: Past, Present and Future 191012
Moderator: John Wilson, PhD, William Beaumont Hospital, Royal Oak, MI
Level: Advanced • CE Credit: 2.5
Session Overview: This short course will review the historical and current development of TDM practices for antiepileptic drug therapy. Pharmacokinetic, pharmacodynamic and analytical considerations for current and anticipated medications will be discussed.

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

The Use of Clinical and Current Routine Laboratory Data in the Evaluation of Hemoglobinopathies and Thalassemias 191008
Moderator: Yvonne Posey, MD, ABP, FCAP, William Beaumont Hospital, Royal Oak, MI
Level: Intermediate • CE Credit: 2.5

Session Overview: The increased use of HPLC and capillary electrophoresis in addition to electrophoretic techniques has tended to move the evaluation of hemoglobinopathies and thalassemias from the hematology laboratory to the chemistry laboratory. This interactive workshop will provide a general overview of how clinical, hematologic and other laboratory data obtained from current methods can be used to diagnose hemoglobinopathies, thalassemias or both. These concepts will be demonstrated through the use of case studies, examples, discussion and problem-solving exercises.

Afternoon Speakers

The Use of Clinical and Current Routine Laboratory Data in the Evaluation of Hemoglobinopathies and Thalassemias - Part I
Yvonne Posey, MD, ABP, FCAP, William Beaumont Hospital, Royal Oak, MI

The Use of Clinical and Current Routine Laboratory Data in the Evaluation of Hemoglobinopathies and Thalassemias - Part II
Elizabeth Sykes, MD, ABP, William Beaumont Hospital, Royal Oak, MI
The Central Role of the Sample: Principles and Case Studies in Reducing Laboratory Errors

**Moderator:** Jack Zakowski, PhD, Beckman Coulter, Inc., Brea, CA

**Level:** Intermediate  •  **CE Credit:** 2.5

*Developed in cooperation with Patient Safety Task Force of the AACC Management Sciences Division*

**Session Overview:** This afternoon interactive workshop will use case studies, problem solving and group discussions to educate attendees about interventions to reduce pre- and post-analytic errors and enhance both patient and staff safety. Topics will include: misidentification of specimens, errors associated with specimen containers and collection technique, specimen processing errors, specimen storage, closed tube sampling, and sample integrity checks.

**Afternoon Speakers**

Reducing Errors in the Pre-Analytic Process: Challenges and Strong Intervention Solutions
Jack Zakowski, PhD, Beckman Coulter, Inc., Brea, CA

Patient Safety Overview: Problems and Solutions Associated with Patient Identification and Specimen Collection
Michael Astion, MD, PhD, University of Washington School of Medicine, Seattle

Problems and Solutions in Post-Analytic Sample Handling and Storage
Bradley Morgan, MD, Carle Clinic Association, Urbana, IL

Training and Competency Testing of Clinical Laboratory Personnel

**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 Management Sciences Division and Molecular Pathology Division*

**Session Overview:** This interactive workshop will focus on designing a training and competency assessment program that will aid in providing clinical laboratory personnel with thorough instruction while providing the institution with necessary documentation to meet requirements of various regulatory agencies. Topics to be covered include: how training and competency differ; developing checklists for training; planning a competency program that allows the employee to have input in the design; setting acceptable criteria for performance and action to take in cases of unacceptable performance. Examples of a successful program will be presented followed by an open floor discussion of application. Attendees will be asked to share their experiences and ideas for these processes.

**Afternoon Speakers**

Managing Low Level Troponin Results: Case Study Presentations

**Moderator:** Allan Jaffe, MD, Mayo Clinic, Rochester, MN

**Level:** Intermediate  •  **CE Credit:** 2.5

**Session Overview:** This interactive workshop will present case studies that illustrate how laboratorians, emergency physicians, and cardiologists use and interpret low level troponin results in managing patients with suspected or proven cardiovascular disease. The moderator will present each case study and direct the discussions among each speaker.

**Afternoon Speakers**

Managing Low Level Troponin Results: Case Study Presentations
Allan Jaffe, MD, Mayo Clinic, Rochester, MN

Managing Low Level Troponin Results: Case Study Presentations
W. Frank Peacock, MD, Cleveland Clinic, OH

Managing Low Level Troponin Results: Case Study Presentations
Alan Wu, PhD, DABCC, San Francisco General Hospital, CA
Monday’s Schedule*

7:00am – 12noon
**AACC International Market Briefing**
Fairmont Hotel

7:30am – 8:30am
**Brown Bag Sessions**

7:30am – 8:30am
**CSCC International Affairs Group**
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
**CSCC Annual Meetings Committee**
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
**Pediatric/CALIPER Group Meeting**
Sheraton Chicago Hotel & Towers

8:00am – 12noon
**ABCC Board Meeting**
Hyatt Regency Chicago

8:45am – 10:15am
**Plenary Session**

9:00am – 12noon
**NRCC Certification Exams**
Hyatt Regency Chicago

10:00am – 12noon
**NGSP/IFCC Manufacturer Forum**
Hyatt Regency Chicago

10:30am – 11:30am
**Meet The Expert**

10:30am – 12noon
**Symposia**

10:30am – 12noon
**Short Courses**

10:30am – 12noon
**Interactive Workshops**

11:00am – 2:00pm
**IFCC - Committee for Standardization of Markers of Cardiac Damage**
Sheraton Chicago Hotel & Towers

12noon – 1:30pm
**AACC Annual Meeting of the Membership**
McCormick Place Convention Center

12:30pm – 2:00pm
**LISMI Division Business Meeting**
Hyatt Regency Chicago

1:00pm – 5:00pm
**CLSI Area Committee on Point-of-Care Testing Meeting**
Hyatt Regency Chicago

2:00pm – 3:00pm
**Student Oral Presentations**

2:00pm – 3:00pm
**CLSI’s President’s Message**
Hyatt Regency McCormick Place

2:00pm – 5:00pm
**IFCC Working Group on Standardization of Thyroid Function Test (WG-STFT)**
Sheraton Chicago Hotel & Towers

2:30pm – 5:00pm
**Symposia**

2:30pm – 5:00pm
**Short Courses**

2:30pm – 5:00pm
**Interactive Workshops**

3:00pm – 4:30pm
**Student Poster Contest**

5:00pm – 6:00pm
**CDID Membership and Awards Meeting**
Hyatt Regency Chicago

5:30pm – 6:30pm
**SYCL Networking Reception**
Hyatt Regency Chicago

5:30pm – 9:30pm
**AACC International Reception**
Hyatt Regency Chicago

5:30pm – 9:30pm
**LVDD Annual Dinner Meeting and Mixer: Current Topics in Cardiovascular Disease**
Hyatt Regency Chicago

6:00pm – 7:30pm
**ABCC Reception in Honor of New Diplomates**
Hyatt Regency Chicago

If no location is specified, the session will take place at the McCormick Place Convention Center.

* Please check the AACC/CSCC Annual Meeting Website at [www.aacc.org/2009am](http://www.aacc.org/2009am) for the most up-to-date schedule.
Aquaporin Water Channels: From Atomic Structure to Clinical Medicine

12001

Peter Agre, MD
Johns Hopkins University School of Medicine, Baltimore, MD

Level: Intermediate  •  CE Credit: 1

Session Overview: Nobel-prize winning researcher and physician Peter Agre will discuss the discovery and the clinical importance of aquaporins. The largest constituent of the body is water, and aquaporins are membrane water channels. The distribution of water between the intracellular and the extracellular compartments, and between the intravascular and interstitial spaces is key to maintaining health and homeostasis.

Please check the AACC Annual Meeting website at www.aacc.org/2009am for Expected Outcomes for each session.
Monday, July 20

BROWN BAG SESSIONS
7:30 am – 8:30 am | 12:30 pm – 1:30 pm

- Brown bag sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. 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 noontime sessions.

- CE Credit: Each Brown Bag session is eligible for one hour, unless otherwise noted.

Required Accuracy and Precision for POCT in Specific Clinical Setting 42101 or 52201
Speaker: Anthony Okorodudu, PhD, MBA, DABCC, University of Texas Medical Branch, Galveston
Level: Advanced

Testing for Alpha 1-Antitrypsin Deficiency 42102 or 52202
Speaker: Joshua Bornhorst, PhD, University of Arkansas for Medical Sciences, Little Rock
Level: Intermediate

The Vanishing Boundary between Anatomic Pathology and the Clinical Laboratory: A Turning Point in Progress 42103 or 52203
Speaker: Joseph Khoury, MD, Quest Diagnostics, Las Vegas, NV
Level: Intermediate

Metabolic Syndrome: An Update on Prevalence, Criteria, and Laboratory Testing 42104 or 52204
Speaker: Ross Molinaro, PhD, MT (ASCP), DABCC, FACB, Emory University Hospital Midtown, Atlanta, GA
Level: Basic

Racial Disparities in Pregnancy Related Syndromes – A Paradigm for Personalized Medicine and Diagnostics? 42105 or 52205
Speaker: Alison Woodworth, PhD, Vanderbilt University Medical Center, Nashville, TN
Level: Intermediate

Ticketed sessions require additional fees
Diagnosis and Understanding of Iron Deficiency Anemia and Anemia of Chronic Disease 42106 or 52206  
**Speaker:** Susan Retka, MLT, Beckman Coulter, Inc., Chaska, MN  
**Level:** Intermediate

LC-MS/MS Assay Development: What it Takes to Bring and Keep an Assay Successfully On-Line 42107 or 52207  
**Speaker:** Elizabeth Pattison, BS, ASCP, ARUP Laboratories, Salt Lake City, UT  
**Level:** Basic

Testing for Chronic Kidney Disease (CKD): Creatinine, eGFR, UAib and More: Industry Responses to Clinical Needs 42108 or 52208  
**Speaker:** Jack Zakowski, PhD, Beckman Coulter, Inc., Brea, CA  
**Level:** Intermediate  
*Developed in cooperation with Industry Division*

Going Green in the Clinical Laboratories 42109 or 52209  
**Speaker:** Daniel Perigo, RPh, Fleury Diagnostics, São Paulo, Brazil  
**Level:** Basic

Comparison of JC and CAP Regulations for POCT 42110 or 52210  
**Speaker:** Deanna Bogner, MS, MT(ASCP), Christus Santa Rosa Health Care, San Antonio, TX  
**Level:** Basic

Sigma Quality Error Charts: A Practical Tool for Comparing Different Instrument Methods 42111 or 52211  
**Speaker:** David Parry, PhD, St Boniface General Hospital, Winnipeg, Canada  
**Level:** Intermediate

Determination of Analyte Stability in Non-Human Blood Samples 42112 or 52212  
**Speaker:** Christopher Perigard, BS, MBA, MT(ASCP), Bristol-Myers Squibb Co., East Syracuse, NY  
**Level:** Intermediate  
*Developed in cooperation with Animal Clinical Chemistry Division*

The Application of Pharmacogenetics in Personalized Medicine: New Roles for Laboratory Medicine and Clinicians 42113 or 52213  
**Speaker:** Majid Moridani, PharmD, PhD, DABCC, FACB, Texas Tech School of Pharmacy & School of Medicine, Amarillo  
**Level:** Intermediate

Standardization of High-Sensitivity C - Reactive Protein Assays 42114 or 52214  
**Speaker:** Mary Kimberly, PhD, Centers for Disease Control & Prevention, Atlanta, GA  
**Level:** Intermediate

Clinical Applications of Thromboelastographic Tests of Coagulation 42115 or 52215  
**Speaker:** Paula Santrach, MD, FCAP, FACB, Mayo Clinic, Rochester, MN  
**Level:** Basic

Reference Methods and Materials for Molecular Diagnostics: Challenges and Opportunities 42116 or 52216  
**Speaker:** Mario Pazzagli, University of Florence, Italy  
**Level:** Basic  
*Developed in cooperation with IFCC Committee on Molecular Diagnostics*

A Mini-Review on Biochemical, Clinical, Pathophysiological, and Pharmacological Aspects of Vitamin D 42117 or 52217  
**Speaker:** Henry Zeidan, PhD, FACB, HCLD, University of Southern Nevada, College of Pharmacy, Henderson  
**Level:** Basic

Liver Copper or Iron - Is It Inflammatory Liver Disease, Wilsons Disease, or Hemochromatosis? 42118 or 52218  
**Speaker:** Thomas Moyer, PhD, Mayo Clinic, Rochester, MN  
**Level:** Advanced

Career Check: Tactics for Success 42119 or 52219  
**Speaker:** Elizabeth Frank, PhD, DABCC, University of Utah/ARUP Laboratories, Salt Lake City  
**Level:** Basic • (ACCENT® Credit Only)  
*Developed in cooperation with Society for Young Clinical Laboratory (SYCL)*

Clinical Value of Very Sensitive Prostate Specific Antigen Measurement Following Prostatectomy 42120 or 52220  
**Speaker:** Lynn Witherspoon, MD, ABIM, ABNM, Ochsner Health System, New Orleans, LA  
**Level:** Intermediate

Identifying Dyslipidemia in Children 42121 or 52221  
**Speaker:** Vijay Laxmi Grey, PhD, FCACB, McMaster University Medical Centre, Hamilton, Canada  
**Level:** Intermediate  
*Developed in cooperation with Pediatric and Maternal-Fetal Division*
Bisphenol A - Good, Bad or Indifferent 42122 or 52222
Speaker: Donald Frederick, PhD, DABFT, Peoria Tazewell Pathology Group, IL
Level: Basic
Developed in cooperation with TDM & Toxicology Division

Plasma Metanephrines - Analysis and Standardization 42123 or 52223
Speaker: Ravinder Singh, PhD, Mayo Clinic, Rochester, MN
Level: Intermediate

Inflammatory Processes and Associated Biomarkers 42124 or 52224
Speaker: William Follas, MS, Xeno Diagnostics, LLC, Indianapolis, IN
Level: Intermediate • (ACCENT® Credit Only)

Closing the Gaps in Pediatric Reference Intervals: The CALIPER 42125 or 52225
Speaker: Khosrow Adeli, PhD, FCACB, DABCC, The Hospital for Sick Children, Toronto, Canada
Level: Intermediate

HIV Antiretroviral Therapeutic Drug Monitoring: A Different Approach 42126 or 52226
Speaker: David Colantonio, PhD, DABCC, Montreal, Canada
Level: Intermediate

Assessment of Childhood Growth and Short Stature: The Real Inside Scoop 42127 or 52227
Speaker: Jon Nakamoto, MD, PhD, Quest Diagnostics Nichols Institute, San Juan Capistrano, CA
Level: Basic

Predictors of Menopause: Current and Novel Hormonal Markers 42128 or 52228
Speaker: Dick Young, Beckman Coulter, Inc., Chaska, MN
Level: Basic

Emerging Biomarkers for Dementia 42129 or 52229
Speaker: Gershwin Davis, BSc, MD, PhD, DABCC, SC (ASCP) FACC, FCACB, University of the West Indies, Champ Fleurs, Trinidad & Tobago
Level: Intermediate

“Do You Know What You’re Snorting?” OR “Cocaine Cutting Agents - A Discussion” 42130 or 52230
Speaker: Donald LeGatt, PhD, FCACB, University of Alberta Hospital, Edmonton, Canada
Level: Intermediate

Evidence Based Laboratory Medicine and Outcomes: An Industrial Strength Approach 22309
Moderator: Robert Christenson, PhD, DABCC, FACB, University of Maryland School of Medicine, Baltimore
Level: Intermediate • CE Credit: 1.5 & 2.5
Developed in cooperation with EBM Committee & Industry Division

Session Overview: “Is there evidence that performing the test is beneficial to health outcomes?” This issue has become a primary concern for laboratory test decisions. The workshop will focus on using EBLM processes for asking the right question, identifying the right design and expected outcomes, and critically appraising the evidence.

Morning/Afternoon Speakers

Overview of EBLM, Critical Appraisal of Evidence
Robert Christenson, PhD, DABCC, FACB, University of Maryland School of Medicine, Baltimore

Question Formulation
Christopher Price, PhD, FRCPath, FACB, University of Oxford, United Kingdom

Study Design and Statistical Considerations
James Boyd, MD, University of Virginia Health System, Charlottesville

Morning Meet the Expert 10:30am – 11:30am

Attendance in this session is strictly limited to 50 persons and will be on a first-come, first-served basis.

Aquaporin Water Channels 62101
Speaker: Peter Agre, MD, Johns Hopkins University School of Medicine, Baltimore, MD
Moderator: William Winter, MD, FCAP, FACB, University of Florida, Gainesville, FL
Level: Intermediate • CE Credit: 1
**Session Overview:** In this Meet the Expert session, Nobel-prize winning researcher and physician Peter Agre will discuss the clinical importance of the membrane water channels known as aquaporins. Among the issues Dr. Agre will address is the distribution of water between intracellular and extracellular compartments and between intravascular and interstitial spaces—a key factor in maintaining health and homeostasis.

### Morning Symposia
10:30am – 12noon

#### Applications of LC-MS/MS in the Clinical Laboratory: Proteins 32101
**Moderator:** Andrew Hoofnagle, MD, PhD, Seattle, WA  
**Level:** Advanced • **CE Credit:** 1.5  
*Developed in cooperation with Proteomics Division*

**Session Overview:** Quantification of peptides and proteins by LC-MS/MS may provide a gold standard methodology capable of solving the inherent shortcomings of immunoassays. The speakers will share their experiences in designing LC-MS/MS assays for clinical use, cross-platform validation, and novel biomarker verification.

#### Morning Speakers

**Serum Tumor Marker Quantification by LC-MS/MS: Is There Hope?**  
Andrew Hoofnagle, MD, PhD, University of Washington, Seattle

**Multiplex MS-Based Specific Assays for Protein Analytes Using SISCAPA**  
N. Leigh Anderson, PhD, Plasma Proteome Institute, Washington, DC

#### Protein Markers of Angiogenesis and Clinical Applications in Preeclampsia 32103
**Moderator:** Linda Rogers, PhD, DABCC, FACB, Laguna Hills, CA  
**Level:** Intermediate • **CE Credit:** 1.5  
*Developed in cooperation with Pediatric and Maternal-Fetal Division*

**Session Overview:** This session provides an overview of the protein markers of angiogenesis, placental growth factor and soluble vascular endothelial growth factor receptor (PlGF and sVEGF R1), with a focus on the potential for diagnosis and management of hypertensive disorders and preeclampsia during pregnancy.

#### Morning Speakers

**Introduction to Protein Markers of Angiogenesis**  
Linda Rogers, PhD, DABCC, FACB, Laguna Hills, CA

**Utilization of Angiogenic Markers in the Diagnosis and Management of Preeclampsia**  
Emanuel Gaziano, MD, Abbott Northwestern Hospital, Minneapolis, MN

#### Metrology, the Science of Measurement, and Its Application to the Clinical Laboratory 32105
**Moderator:** David Armbruster, PhD, DABCC, FACB, Abbott, Abbott Park, IL  
**Level:** Intermediate • **CE Credit:** 1.5  
*Developed in cooperation with BIPM and NIST*

**Session Overview:** This symposium describes the current and ongoing efforts to adapt the concepts of Metrology to the clinical laboratory. It explains how national metrology institutes, such as the NIST, JCTLM (an international consortium) and BIPM are actively working to identify reference materials, reference methods, reference method laboratories, and the significance of standardization on patient care.

#### Morning Speakers

**Metrology and the Clinical Laboratory**  
Willie May, PhD, NIST, Gaithersburg, MD

**Establishing Traceability: A JCTLM Database of Higher Order Reference Materials, Methods, and Measurement Services for IVDs**  
Robert Wiegelosz, PhD, BIPM, Sevres Cedex, France

#### Neonatal Bilirubin: Impact of Clinical Practice Guidelines and Different Measurement Technologies 32107
**Moderator:** Brad Karon, MD, PhD, FCAP, FACB, Mayo Clinic, Rochester, MN  
**Level:** Intermediate • **CE Credit:** 1.5

**Session Overview:** This symposium will compare and contrast existing and proposed guidelines for the diagnosis and management of neonatal jaundice in the USA and Canada. Issues relating to laboratory and transcutaneous bilirubin measurement that impact implementation and utilization of these guidelines and interpretation of bilirubin values will be discussed.
Morning Speakers

Impact of Measurement Technology on Risk Assessment for Neonatal Hyperbilirubinemia
Brad Karon, MD, PhD, FCAP, FACB, Mayo Clinic, Rochester, MN

Current and Proposed Guidelines for the Management of Neonatal Jaundice in the US and Canada
M. Jeffrey Maisels, MD, William Beaumont Hospital, Royal Oak, MI

Laboratory Diagnosis of Celiac Disease 32108
Moderator: James Faix, MD, Stanford University, Palo Alto, CA
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with Clinical & Diagnostic Immunology Division

Session Overview: This session will describe the clinical features of celiac disease and the use of laboratory tests to make the diagnosis without the need for small bowel biopsy, including antibodies to gliadin and deamidated gliadin peptides, autoantibodies to tissue transglutaminase (detected by immunoassay and indirect immunofluorescence), and molecular testing.

Morning Speakers

Laboratory Testing for Celiac Disease
Vijay Kumar, MS, PhD, IMMCO Diagnostics, Inc., Buffalo, NY

Diagnosis & Management of Celiac Disease
James Faix, MD, Stanford University, Palo Alto, CA

Morning Short Courses 10:30am - 12noon

How to Construct and Interpret ROC Plots 72110
Moderator: Martin Kroll, MD, BS, Boston Medical Center, MA
Level: Intermediate • CE Credit: 1.5

Session Overview: This short course will cover the appropriate manner to create ROC plots, including subject selection, basic statistics and interpretation, both quantitative and qualitative. Participants will learn how to evaluate the quality of a study, compare competing tests, and select appropriate cut-offs.

Morning Speaker

ROC Plots Interpretation
Martin Kroll, MD, BS, Boston Medical Center, MA

Turning on Autoverification 72112
Moderator: Lawrence Crolla, PhD, DABCC, Alexian Brothers Medical Center, Elk Grove Village, IL
Level: Basic • CE Credit: 1.5

Session Overview: This short course will cover the process for utilizing autoverification of results in the laboratory. Basic information technology rules will be discussed along with the pros and cons of selecting rules. Also covered will be the process involved in setting the testing limits for autoverification parameters. During the course a template will be developed to help participants implement autoverification in their laboratories.

Morning Speaker

Autoverification Basics
Lawrence Crolla, PhD, DABCC, Alexian Brothers Medical Center, Elk Grove Village, IL

CLSI MM17-A: A Guideline for Verification and Validation of Multiplex Nucleic Acid Assays 72114
Moderator/Speaker: Jean Amos Wilson, PhD, FACMG, CGMB, Berkeley Heartlab, Inc., Alameda, CA
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with Clinical Laboratory Standards Institute (CLSI)

Session Overview: This short course is designed to provide training from the CLSI guideline, MM17-A Verification and Validation of Multiplex Nucleic Acid Assays. Topics that will be covered include sample preparation, a general discussion of multiplex methods and technologies, reference and quality control materials, analytic verification and validation, data analysis, and reporting of results. Knowledge of basic principles of molecular biology is a prerequisite for this program.

How Do You Know How Well You’re Doing Measuring Quality? 72117
Moderator: James Liggins, BA, COLA, Portland, OR
Level: Intermediate • CE Credit: 1.5

Session Overview: This program will provide an overview of the concept of quality indicators. Participants will learn how to construct indicators to measure performance on key laboratory processes.
Morning Speaker

Lucia Berte, MT, MA, Laboratories Made Better! P.C, Broomfield, CO
Lucia Berte, MT, MA, Laboratories Made Better! P.C, Broomfield, CO

Laboratory-Based Health Screening and Risk Assessment: A World Full of Pitfalls and Misconceptions 72118
Moderator: Shahram Shahangian, PhD, MS, DABCC, FACB, US Centers for Disease Control and Prevention (CDC), Atlanta, GA
Level: Basic • CE Credit: 1.5

Session Overview: This session will address criteria for effectiveness of laboratory screening tests and the limitations of any screening test. The presenters will review current screening recommendations and guidelines, discuss the main biases applicable to screening tests, their prevalence in the scientific literature, and impact on health outcome. Also included will be a review of screening guidelines for cancers and a discussion of current controversies, pitfalls and misconceptions relating to not only risk assessment but also risk communication and perception.

Morning Speakers

Laboratory Screening Tests: Effectiveness Criteria, Limitations and Recommendations
Shahram Shahangian, PhD, MS, DABCC, FACB, US Centers for Disease Control and Prevention (CDC), Atlanta, GA

Risk Assessment for Healthy Persons: What Do We Need to Know to Decide Whether or Not to Have the Test?
Rolf Hinzmann, MD, PhD, Sysmex Europe GmbH, Norderstedt, Germany

Afternoon Symposia

2:30pm – 5:00pm

Issues In Immunodiagnostics: Are ELISA ANA and Traditional Immunofluorescent ANA Results Comparable? 32202
Moderator: David Keren, MD, Warde Medical Laboratory, Ann Arbor, MI
Level: Intermediate • CE Credit: 2.5
Developed in cooperation with American Society for Clinical Pathology, Clinical & Diagnostic Immunology Division

Session Overview: Detection of anti-nuclear antibodies (ANA) is key to the diagnosis of rheumatic disease but may depend on the methodology used. This debate (rheumatologist, laboratorian, and industry representative) will discuss the equivalency of newer methods (EIA or beads) and traditional immunofluorescence to further examine the issue.

Afternoon Speakers

Rheumatologist Perspective on ANA Testing
Jonathan Kay, MD, Harvard Medical School, Boston, MA

Laboratorian Perspective on ANA Testing
John Carey, MD, Henry Ford Hospital, Detroit, MI

Industry Perspective on ANA Testing
Steven Binder, Bio-Rad Laboratories, Hercules, CA

Morning Interactive Workshop

10:30am – 12noon

Interactive Cases in Pediatric Practice 22116
Moderator: Dennis Dietzen, PhD, DABCC, FACB, St. Louis Children's Hospital, MO
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with the Pediatric and Maternal-Fetal Division

Session Overview: Using electronic voting technology, participants in this interactive workshop will test and expand their knowledge of laboratory issues unique to pediatric practice through case presentations. Cases will include disease states such as cystic fibrosis, hyperbilirubinemia, inborn metabolic disease, seizures, renal function, and childhood obesity.

Morning Speakers

Pondering Problems in Pediatrics-Part I
Dennis Dietzen, PhD, DABCC, FACB, St. Louis Children's Hospital, MO

Pondering Problems in Pediatrics-Part II
Stanley Lo, PhD, DABCC, FACB, Children's Hospital of Wisconsin/Medical College of Wisconsin, Milwaukee
Enzymes as Biomarkers of Human Diseases 32204

Moderator: Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, ON, Canada

Level: Intermediate • CE Credit: 2.5

Developed in cooperation with International Society for Enzymology and Proteomics Division

Session Overview: Enzymes have been used for many decades as diagnostic biomarkers of various diseases. The sequencing of the human genome has allowed the identification of nearly all encoded enzymes which include approximately 500 proteases. This symposium will examine the latest knowledge linking enzymes with cardiovascular, neurodegenerative and malignant diseases.

Afternoon Speakers

Role of Enzymes in Human Diseases: An Overview
Eleftherios Diamandis, MD, PhD, FRCPC, Mount Sinai Hospital, Toronto, ON, Canada

Clinical Applications of Enzymes in Malignant Diseases
Daniel Chan, PhD, DABCC, FACB, Johns Hopkins Medical Institutions, Baltimore, MD

Clinical Applications of Enzymes in Cardiovascular Diseases
Mario Plebani, MD, FRCPath, University Hospital of Padova, Italy

Emerging Regulatory and Harmonization Trends for the Clinical Laboratory: A Worldwide View 32206

Moderator: Jacob Levine, BS, MBA, NRCC, Siemens Healthcare Diagnostics, Tarrytown, NY

Level: Intermediate • CE Credit: 2.5

Developed in cooperation with Industry Division

Session Overview: Information on major initiatives involving method traceability and quality programs will be presented, and updated information will be provided to enable IVD manufacturers to plan for the future and implement change. This session will also provide background to laboratory scientists on the impact of these changes.

Afternoon Speakers

Current Activities of the National Kidney Disease Education Program (NKDEP) to Harmonize Creatinine Measurements
Neil Greenberg, PhD, DABCC, Ortho-Clinical Diagnostics, Rochester, NY

New Trends in HbA1c Measurement
Randie Little, PhD, University of Missouri at Columbia

FDA and the Quest for Traceability - Moving Regulation into the 21st Century
Alberto Gutierrez, PhD, FDA/CDER, Rockville, MD

Application of LC-MS/MS in the Clinical Laboratory: Small Molecules 32219

Moderator: Andrew Hoofnagle, MD, PhD, University of Washington, Seattle

Level: Intermediate • CE Credit: 2.5

Session Overview: Small molecules are particularly ideal analytes for quantification by LC-MS/MS. An increasing number of assays using this methodology are being described each year and data indicate better precision and specificity at low concentrations of analyte. The speakers will outline how important LC-MS/MS has become in certain clinical situations.

Afternoon Speakers

Mass Spectrometry as an Enabling Technology in the Clinical Laboratory
Nigel Clarke, PhD, Quest Diagnostics Nichols Institute, San Juan Capistrano, CA

Newborn Screening and LC-MS/MS: A Marriage that Won’t Fall Apart
Donald Chace, PhD, MSFS, Pediatrix Analytical, Bridgeville, PA

The Critical Role of LC-MS/MS in the Diagnosis of Androgen Disorders
Shalender Bhasin, MD, Boston University, MA

Afternoon Short Courses 2:30pm – 5:00pm

Oral Fluid: An Alternative Matrix for Drug Testing in the Clinical Setting 72211

Moderator: R Niedbala, PhD, Lehigh University, Bethlehem, PA

Level: Intermediate • CE Credit: 2.5

Developed in cooperation with TDM and Toxicology Division

Session Overview: This short course offers an overview of oral fluid physiology, collection processes and testing methodologies.
including LC-MS/MS. Presentations and case studies will address drug recovery and matrix selection, applications in pharmacogenomics and pain management, and steps for setting up “mainstream” oral fluid drug testing in the lab.

**Afternoon Speakers**

**The How, Why and When of Oral Based Diagnostics**  
R Niedbala, PhD, Lehigh University, Bethlehem, PA

**Oral Fluids in Pharmacogenomics**  
Roland Valdes, Jr., PhD, DABCC, FACB, University of Louisville School of Medicine, KY

**Pain Management and Prescription Drug Monitoring: A Clinician’s Perspective**  
Paul Chelminski, MD, MPH, FACP, University of North Carolina, Chapel Hill

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**Interferences - The Unsolved Problem 72213**  
**Moderator:** Oswald Sonntag, PhD, Ortho Clinical Diagnostics GmbH, Eichenzau, Germany  
**Level:** Basic • **CE Credit:** 2.5

**Session Overview:** This short course is intended to provide a better understanding of how interferences, caused by drugs, herbs or HAMA affect laboratory tests. Recommendations for how to identify interferences and how to perform interference studies will be discussed. Knowledge of the issues relating to interference in the laboratory will help to prevent errors in patient care.

**Afternoon Speakers**

**Drug Interference and Use of the New AACC Effects Database**  
Oswald Sonntag, PhD, Ortho Clinical Diagnostics GmbH, Eichenzau, Germany

**Interferences in Immunodiagnostic Tests - An Update**  
Larry Kricka, PhD, DPhil, FACB, University of Pennsylvania Medical Center, Philadelphia

**The Impact of Herbal Treatment on Lab Results**  
Amitava Dasgupta, PhD, DABCC, NRCC, University of Texas at Houston Medical School

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**Controversies in Thyroid Function Testing and Interpretation 22215**  
**Moderator:** Neil Harris, MD, University of Florida College of Medicine, Gainesville  
**Level:** Intermediate • **CE Credit:** 2.5

**Session Overview:** This interactive workshop will address major controversies in thyroid testing, which include: 1) FT4 assays: how do immunoassays and dialysis equilibrium compare? 2) TSH: should the upper limit of the reference interval be lowered? and 3) Thyroid testing in pregnancy: how do TSH/FT4 change during pregnancy?

**Afternoon Speakers**

**Measuring Free Thyroxine**  
Roger Bertholf, PhD, DABCC, FACB, University of Florida, Jacksonville

**What is the Appropriate TSH Reference Range?**  
Neil Harris, MD, University of Florida College of Medicine, Gainesville
### Tuesday, July 21

#### Tuesday’s Schedule*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00am – 9:00am</td>
<td><strong>Local Section Chairs &amp; Chairs Elect Breakfast</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>7:00am – 9:00am</td>
<td><strong>AACC Proteomics Division Breakfast</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<tr>
<td>7:30am – 8:30am</td>
<td><strong>Brown Bag Sessions</strong></td>
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<td>7:30am – 8:30am</td>
<td><strong>CSCC Education &amp; Publications Divisions</strong>&lt;br&gt;Sheraton Chicago Hotel &amp; Towers</td>
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<tr>
<td>7:30am – 8:30am</td>
<td><strong>CSCC Toxicology Interest Group</strong>&lt;br&gt;Sheraton Chicago Hotel &amp; Towers</td>
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<td>8:00am – 10:00am</td>
<td><strong>C-Peptide Standardization Manufacturer Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>8:00am – 10:00am</td>
<td><strong>CSCC Editorial Board Meeting</strong>&lt;br&gt;Sheraton Chicago Hotel &amp; Towers</td>
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<td>8:00am – 12noon</td>
<td><strong>CLSI Area Committee on Evaluation Protocols Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>8:00am – 12noon</td>
<td><strong>CLSI Subcommittee on POC Blood Glucose Testing in Acute and Chronic Care Facilities (POCT12-A3)</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>8:45am – 10:15am</td>
<td><strong>Plenary Session</strong></td>
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<td>9:30am – 5:00pm</td>
<td><strong>Expo Open</strong></td>
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<td>10:00am – 12noon</td>
<td><strong>Division of Animal Clinical Chemistry Executive Committee Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>10:30am – 11:30am</td>
<td><strong>Meet The Expert</strong></td>
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<td>10:30am – 12noon</td>
<td><strong>Symposia</strong></td>
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<td>10:30am – 12noon</td>
<td><strong>Short Courses</strong></td>
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<td>10:30am – 12noon</td>
<td><strong>Interactive Workshops</strong></td>
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<td>12noon – 2:00pm</td>
<td><strong>Midwest Section Annual Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>12noon – 4:00pm</td>
<td><strong>AACC History Division Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<tr>
<td>12:30pm – 1:30pm</td>
<td><strong>Brown Bag Sessions</strong></td>
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<td>1:00pm – 2:30pm</td>
<td><strong>Pediatric Reference Range Collaborative Update</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>1:00pm – 5:00pm</td>
<td><strong>CLSI Area Committee on Automation and Informatics Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td><strong>Interactive Workshops</strong></td>
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<tr>
<td>3:30pm – 4:30pm</td>
<td><strong>Molecular Pathology Division Board of Directors Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>4:30pm – 5:30pm</td>
<td><strong>Molecular Pathology Division General Membership Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>4:30pm – 6:00pm</td>
<td><strong>Industry Division Membership Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>4:30pm – 6:00pm</td>
<td><strong>Van Slyke Donors Reception</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<tr>
<td>5:30pm – 6:00pm</td>
<td><strong>CPOCT Division Membership Meeting</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<td>6:00pm – 8:00pm</td>
<td><strong>CPOCT Division Mixer and Awards Ceremony</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<tr>
<td>6:00pm – 8:00pm</td>
<td><strong>Molecular Pathology/Pediatric Maternal Fetal/Industry and Proteomics Divisions Joint Mixer</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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<tr>
<td>6:00pm – 9:30pm</td>
<td><strong>International Lipoprotein Standardization Forum</strong>&lt;br&gt;Hyatt Regency Chicago</td>
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*If no location is specified, the session will take place at the McCormick Place Convention Center.  
*Please check the AACC/CSCC Annual Meeting Website at [www.aacc.org/2009am](http://www.aacc.org/2009am) for the most up-to-date schedule.*
Developments in T Cells Relevant to Clinical Laboratory Scientists

Kenneth Murphy, MD, PhD
Washington University School of Medicine, St. Louis, MO

Level: Intermediate • CE Credit: 1

Session Overview: Dr. Murphy will discuss new developments in T cell biology. In addition to Th1 and Th2 cells, CD4 T cells now include the newly described Th17 and regulatory T cell subsets. Disorders of regulatory T cells likely underlie many autoimmune diseases and may contribute to allergic disorders and chronic inflammation.

Please check the AACC Annual Meeting website at www.aacc.org/2009am for Expected Outcomes for each session.

2009 NACB AWARDS TO BE PRESENTED DURING THIS PLENARY SESSION

David B. Sacks, MD, FACB
Distinguished Scientist Award

Outstanding Research Advances in Clinical Biochemistry
Sponsored by NACB and Siemens Healthcare Diagnostics

Mary F. Burritt, PhD, FACB
Professor Alvin Dubin Award

Distinguished Contributions to the Profession and the Academy
Sponsored by Abbott Diagnostics

Christopher R. McCudden, PhD, DABCC, FACB
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 | 12:30pm – 1:30pm

- Brown bag sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. 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 noontime sessions.
- CE Credit: Each Brown Bag session is eligible for one hour.

Determination of Urinary and Salivary Free Cortisol by LC-MS/MS and its Clinical Application to Assessment of Adrenal Function 43101 or 53201
Speaker: Dailin Li, PhD, FCACB, DABCC, Vancouver General Hospital, Canada
Level: Intermediate

Pharmacogenomic Biomarkers for Drug Hypersensitivity Reactions 43102 or 53202
Speaker: Kara Lynch, PhD, University of California, San Francisco
Level: Intermediate

Using Laboratory Algorithms for the Diagnosis of Celiac Disease 43103 or 53203
Speaker: Melissa Snyder, PhD, Mayo Foundation, Rochester, MN
Level: Basic

Circulating Molecular Variants of Prolactin: How to Investigate Their Presence and Limit Their Interference in Immunoassays 43104 or 53204
Speaker: Ibrahim Hashim, PhD, DABCC, FACB, University of Texas Southwestern Medical Center, Dallas
Level: Basic

How Statistics Influence Our Clinical Decisions 43105 or 53205
Speaker: Oswald Sonntag, PhD, Ortho Clinical Diagnostics GmbH, Eichenau, Germany
Level: Basic

A Regional Clinical Toxicology Service - How Does it Work? 43106 or 53206
Speaker: Donald LeGatt, PhD, FCACB, University of Alberta Hospital, Edmonton, Canada
Level: Intermediate

How Can One Live Without Albumin? Issues With Analbuminemia 43107 or 53207
Speaker: Per Hansson, MD, PhD, South Alvsborg Hospital, Boras, Sweden
Level: Intermediate

Installing an Interface for POCT Testing 43108 or 53208
Speaker: Deanna Bogner, MS, MT(ASCP), Christus Santa Rosa Health Care, San Antonio, TX
Level: Basic

Evaluation of High Sensitivity C-Reactive Protein Methods 43109 or 53209
Speaker: William Roberts, MD, PhD, University of Utah, Salt Lake City
Level: Intermediate

A Review of In Vivo Models of Hemostasis 43110 or 53210
Speaker: Neil Harris, MD, University of Florida College of Medicine, Gainesville
Level: Intermediate

Vitamin B12 Deficiency and Its Laboratory Investigation 43111 or 53211
Speaker: Majid Moridani, PharmD, PhD, DABCC, FACB, Texas Tech School of Pharmacy & School of Medicine, Amarillo
Level: Intermediate

Establishing Measurement Traceability for Biomarkers of Cardiovascular Risk 43112 or 53212
Speaker: Mary Kimberly, PhD, Centers for Disease Control & Prevention, Atlanta, GA
Level: Intermediate

Capillary Electrophoresis: Benefits and Limitations 43113 or 53213
Speaker: David Grenache, PhD, MT(ASCP), DABCC, FACB, University of Utah & ARUP Laboratories, Salt Lake City
Level: Intermediate

Required Accuracy and Precision for POCT in Specific Clinical Setting[s?] 43114 or 53214
Speaker: Anthony Okorodudu, PhD, MBA, DABCC, University of Texas Medical Branch, Galveston
Level: Advanced
RiliBAK 2007: QC and Proficiency Testing the German Way 43115 or 53215
**Speaker:** James Pierson-Perry, BS, Siemens Healthcare Diagnostics, Newark, DE
**Level:** Basic
*Developed in cooperation with Industry Division*

Quality System Approach to Quality Assessment 43116 or 53216
**Speaker:** James Liggins, BA, COLA, Portland, OR
**Level:** Basic
*Developed in cooperation with COLA*

Developing Performance Standards for Established Methods 43117 or 53217
**Speaker:** David Rhoads, PhD, DABCC, David G. Rhoads Associates, Inc., Kennett Square, PA
**Level:** Intermediate

Serum vs. Plasma: Which Specimen Should You Use? 43118 or 53218
**Speaker:** Jeffrey Chance, PhD, BD Diagnostics - Preanalytical Systems, Franklin Lakes, NJ
**Level:** Basic

**eGFR: Decision and Dilemma** 43119 or 53219
**Speaker:** Vinita Mishra, MBBS, MD, MPhil, MRCPath, Salisbury NHS Foundation Trust Hospital, United Kingdom
**Level:** Intermediate

Autoverification of Clinical Laboratory Results 43120 or 53220
**Speaker:** Sihe Wang, PhD, DABCC, FACB, Cleveland Clinic, OH
**Level:** Basic

Should We Report a Reference Change Index (RCI) with Our Test Results? 43121 or 53221
**Speaker:** David Seccombe, MD, PhD, Canadian External Quality Assessment Laboratory, Vancouver, Canada
**Level:** Intermediate

Is It Time to Replace 24hr-Hour Urinary Protein Excretion (UPE) Assessment? 43122 or 53222
**Speaker:** Shivananda Nayak, PhD, The University of the West Indies, Champ Fleurs, EWMSC, Mount Hope, Trinidad & Tobago
**Level:** Intermediate

An Update on Tumor Markers or Beyond CEA and PSA 43123 or 53223
**Speaker:** Martin Fleisher, PhD, FACB, Memorial-Sloan Kettering Cancer Center, New York, NY
**Level:** Intermediate

Measurement of Bioactive Testosterone: Calculation or Direct Measurement? 43124 or 53224
**Speaker:** Raymond Lepage, PhD, FCACB, Laboratoire Médical Biron, Brossard, Canada
**Level:** Intermediate
*Developed in cooperation with Canadian Society of Clinical Chemists*

Novel Angiogenic Factors for Predicting Preeclampsia 43125 or 53225
**Speaker:** Yu Chen, Toronto, Canada
**Level:** Basic

Laboratory Testing to Support Individualized Medicine 43126 or 53226
**Speaker:** AbdulRazaq A. H. Soroko, Bsc, PhD, University of Manitoba Faculty of Medicine, Winnipeg, Canada
**Level:** Basic

IFCC Standardized HbA1c - Implementation Strategies 43127 or 53227
**Speaker:** Connie Prosser, PhD, University of Alberta Hospital, Edmonton, Canada
**Level:** Intermediate

Endocrinology Assays for Assessment of Ovarian Reserve: What is the Future? 43128 or 53228
**Speaker:** Dick Young, Beckman Coulter, Inc., Chaska, MN
**Level:** Basic

A Fully Automated Platform for Molecular Diagnostics 43129 or 53229
**Speaker:** Claudine Bartels, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH
**Level:** Basic

**Full Day Symposia**
10:30am – 12noon and 2:30pm – 5:00pm

What is the Evidence for Utilization of Cardiac Markers? 33301
**Moderator:** Robert Christenson, PhD, DABCC, FACB, University of Maryland School of Medicine, Baltimore
**Level:** Intermediate • **CE Credit:** 1.5 & 2.5
*Developed in cooperation with EBM Committee*

**Session Overview:** Key questions involving the evidence based utilization of cardiac markers in the context of coronary artery disease and heart failure will be addressed. The session will include evidence for use of cardiac troponin, BNP, NT-proBNP and emerging markers of cardiovascular risk in screening, diagnosis, prognosis, monitoring and guiding management.
Tuesday, July 21

Morning Speakers

**Evidentiary Benchmarks for Assessment of Novel Cardiovascular Biomarkers**
James Delemos, MD, FACC, University of Texas Southwestern Medical Center, Dallas

**Do Emerging Biomarkers Add to the Predictive Ability of the Framingham Risk Score?**
Robert Christenson, PhD, DABCC, FACB, University of Maryland School of Medicine, Baltimore

Afternoon Speakers

**What is the Evidence for Use of the 99th Percentile for Diagnosis and Risk Stratification in Acute Coronary Syndrome?**
David Morrow, MD, MPH, Brigham & Women’s Hospital, Boston, MA

**Natriuretic Peptides: Evidence for Risk Assessment in the Elderly**
Christopher DeFilippi, MD, FACC, University of Maryland Medical Center, Baltimore

**Is There Proof that Natriuretic Peptides are Effective for Echocardiography Triage?**
Paul Collinson, MB, St. George’s Hospital, London, United Kingdom

Prenatal Screening: Improved Integration Between Laboratory and Ultrasound 33302
**Moderator:** Patricia Jones, PhD, DABCC, FACB, Children’s Medical Center, Dallas, TX
**Level:** Intermediate • **CE Credit:** 1.5 & 2.5
*Developed in cooperation with Society for Maternal-Fetal Medicine and Pediatric & Maternal-Fetal Division*

**Session Overview:** In this session experts from clinical laboratory and ultrasound societies will present new scientific information and provide discussions of testing issues related to prenatal screening for Down Syndrome. Topics include first trimester screening options, utilization and quality assurance of nuchal translucency measurements, appropriate timing for biochemistry versus ultrasound versus other markers, and new molecular techniques for the follow-up of screen positive results. Two of the presentations in the afternoon will be set in a discussion-type format with two speakers each, in order to present laboratory and ultrasound aspects and facilitate dialogue between the two groups.

Morning Speakers

**Update on the ACOG/ACMG Guidelines and Practice Implications in the US**
Susan Gross, MD, FRCS(C), FACOG, FACMG, Albert Einstein College of Medicine, Bronx, NY

**1st Trimester Ultrasound: Successes and Challenges**
Alfred Abuhamad, MD, Eastern Virginia School of Medicine, Norfolk

Afternoon Speakers

**The Timing of Laboratory and Ultrasound Testing: A Discussion**
Kevin Spencer, DSc, King George Hospital, Essex, United Kingdom

**The Timing of Laboratory and Ultrasound Testing: A Discussion**
Lawrence Platt, MD, David Geffen School of Medicine, Los Angeles, CA

**New Molecular Techniques and Their Application in the Clinical World: Will It Become Standard Practice?**
Ronald Wapner, MD, Columbia University, New York, NY

**Discussion: Integrating the Clinical Chemist and the Clinician: Experience from the Past and Moving Forward**
Michael Mennuti, MD, University of Pennsylvania, Philadelphia

Vitamin D Nutritional Status and Risk of Chronic Diseases 33303
**Moderator:** Edgard Delvin, CHU Ste-Justine, Montreal, Canada
**Level:** Basic • **CE Credit:** 1.5 & 2.5
*Developed in cooperation with The Canadian Society of Clinical Chemists, Nutrition Division*

**Session Overview:** During the morning session, the speakers will review the metabolism and mechanism of action of vitamin D and describe the biological markers that can be used to assess the nutritional status at a functional level. In the afternoon session, the speakers will present and discuss the available epidemiological data related to the relationship between vitamin D and the prevalence of cancer, infectious disease and autoimmune diseases.
**Morning Speakers**

**Vitamin D Metabolism and Mechanisms of Action – An Overview**
Glenville Jones, PhD, Queen’s University, Kingston, Canada

**Assessing Vitamin D Nutritional Status: Use of Specific Bone Biomarkers**
Jacques Brown, MD, Centre Hospitalier Universitaire de Quebec, Ste-Foy, Canada

**Afternoon Speakers**

**Vitamin D and Calcium in the Prevention of Prostate and Colon Cancer: New Approaches for the Identification of Needs**
Myron Gross, PhD, University of Minnesota, Minneapolis

**Vitamin D and Autoimmunity: Is Vitamin D Status An Environmental Factor Affecting Autoimmune Disease Prevalence?**
Margherita Cantorna, PhD, Pennsylvania State University, University Park

**Vitamin D & Infectious Diseases New Developments**
John Adams, MD, Cedars-Sinai Medical Center, Los Angeles, CA

**Full Day Interactive Workshop**

**Endocrine Enigmas 23318**
Moderator: James Faix, MD, Stanford University, CA
Level: Basic • CE Credit: 1.5 & 2.5
Developed in cooperation with Clinical & Diagnostic Immunology Division

**Session Overview:** This interactive workshop will present teams of participants with several puzzling endocrine problems. The teams’ individual diagnoses will be discussed and the patient follow-up described. The morning session will address diabetes, thyroid and adrenal disease; the afternoon session will tackle growth and development, sex and reproduction, and unusual endocrine disorders.

**Morning Speaker**

**Case Presentations**
James Faix, MD, Stanford University, Palo Alto, CA

**Morning Meet The Expert 10:30am – 11:30am**

**Developments in T Cells Relevant to Clinical Laboratory Scientists 63101**
Speaker: Kenneth Murphy, MD, PhD, Washington University School of Medicine, St. Louis, MO
Moderator: William Winter, MD, FCAP, FACB, University of Florida, Gainesville
Level: Intermediate • CE Credit: 1

**Session Overview:** In this Meet the Expert session, Howard Hughes Medical Investigator Dr. Kenneth Murphy will discuss new developments in T cell biology. In addition to Th1 and Th2 cells, CD4 T cells now include the newly described Th17 and regulatory T cell subsets. Disorders of regulatory T cells likely underlie many autoimmune diseases and may contribute to allergic disorders and chronic inflammation.

**Morning Symposia 10:30am – 12noon**

**Establishing the Framework of Personalized Justice with Pharmacogenomics and Genomics - Assessing the Drivers: Personalized Medicine, Forensic, Pharmacogenomics Issues and Diagnostic Opportunities 33104**
Moderator: Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee
Level: Basic • CE Credit: 1.5

**Session Overview:** In the practice of Personalized Medicine, it is understood that genetic variations affect drug efficacy. The variable response of the patient or “client” might change behaviors such as driving and working performance. Paralleling the use of DNA fingerprinting in forensic science, Personalized Justice may be tentatively characterized as the use of pharmacogenomics as adjunct evidence, used by the prosecution or defense, to examine behavior changes in legal proceedings. This session will assess the two inter-relating areas: the roles of pharmacogenomic biomarkers and their potential applications for driving and working under the influence of drugs (DUID and WUID) and forensics.
Morning Speakers

Enabling Personalize Justice by Pharmacogenomics and Opportunities for Developing “New” Biomarkers Diagnostics
Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee

Potential Forensic Applications of Pharmacogenomics and Genomics for Personalized Justice
Christopher Happy, MD, Milwaukee County Medical Examiner’s Office, WI

Technical and Interpretative Challenges in Molecular Diagnostics: Tales from the Darkside 33108
Moderator: Deborah Payne, PhD, DABCC, DABMM, FACB, University of Texas Southwestern Medical Center, Dallas
Level: Intermediate • CE Credit: 1.5

Session Overview: Molecular diagnostics and genetics have an increasing role in diagnosing and managing a variety of conditions, for example thrombotic disorders, infections, and cancer. This session will outline quality management strategies for identifying and addressing technical, interpretative and operational issues associated with molecular diagnostic and genetic testing.

Morning Speakers

“Rogue Waves” - Technical and Interpretative Issues for Molecular Infectious Disease Tests
Jeanne Carr, PhD, MT(ASCP), BCLD, St. Jude Children’s Research Hospital, Memphis, TN

“Odd Ducks” i.e. Unusual Molecular Genetic Results for Cancer and Thrombotic Disorders: Real or Artifact?
Deborah Payne, PhD, DABCC, DABMM, FACB, University of Texas Southwestern Medical Center, Dallas

Session Overview: We can reduce the impact prostate cancer has on men if each laboratory provides top quality contemporary testing and appropriate interpretive criteria to physicians. Proactively introducing new means of detecting and monitoring this disease positions the laboratory as a key member of the healthcare team. This short course will provide the inside story on how the Mayo Clinic’s physicians detect prostate cancer early and make recommendations for treatment from an expanding list of options. The laboratory’s role in the 35% decline in prostate cancer mortality during the PSA era will be detailed. Current criteria for referring a man to a urologist for follow-up testing and how urologists discuss test findings with their patients will be explained. Essential information about today’s prostate disease tests and their shortcomings will be outlined. Examples of emerging multi-marker panels with greater clinical utility and a glimpse at promising new prostate disease markers will be provided.

Morning Speakers

What are the Physician Expectations for PSA’s Performance?
Markian Iwaszko, MD, Mayo Clinic, Rochester, MN

Analytical and Clinical Laboratory Issues in PSA Testing
Amy Saenger, PhD, DABCC, Mayo Clinic, Rochester, MN

Session Overview: This short course will address various aspects of diagnostic assay standardization - the science (including the challenge for standardization with heterogeneous analytes), controlled manufacturing, and regulatory need. Standardization is an important part of assays used in the clinical laboratory, and a ‘How To’ discussion will benefit all who attend.

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**Molecular Microbiology Made More Simple**

**Moderator:** Duane Newton, PhD, D(ABMM), University of Michigan Health System, Ann Arbor

**Level:** Basic • **CE Credit:** 1.5

**Session Overview:** This short course will introduce basic molecular diagnostics, review some practical issues involved in bringing these technologies into the laboratory, and provide an overview of various commercial platforms and their use in addressing infectious disease questions.

**Morning Speakers**

**Introduction to Molecular Diagnostics**  
Duane Newton, PhD, D(ABMM), University of Michigan Health System, Ann Arbor

**Practical Issues in Molecular Diagnostics**  
Amy Leber, PhD, D(ABMM), Nationwide Children's Hospital, Columbus, OH

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**Interactive Clinical Case Discussions: Electronic Voting is Fun!**

**Moderator:** Ian Watson, PhD, FRCPath, FACB, University Hospital Aintree, Liverpool, United Kingdom  
**Level:** Intermediate • **CE Credit:** 1.5

Developed in cooperation with Association for Clinical Biochemistry (UK)

**Session Overview:** This interactive workshop will use real-time anonymous electronic voting devices to encourage group participation and to enhance the clinical knowledge base of individuals. Case discussions will be used to incrementally develop the biochemical and clinical data towards a definitive diagnosis and development of a management/treatment plan. Emphasis will be on electrolytes, acid-base endocrinology, lipidology and toxicology.

**Morning Speakers**

**Clinical Cases 1**  
Ian Watson, PhD, FRCPath, FACB, University Hospital Aintree, Liverpool, United Kingdom

**Clinical Cases 2**  
Danielle Freedman, MB, ChB, FRCPath, Luton & Dunstable Hospital NHS Trust, United Kingdom

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**Laboratories Should Report an Estimated Average Glucose (eAG) with Hemoglobin A1c: A Debate**

**Moderator:** Mitchell Scott, PhD, Washington University School of Medicine, St. Louis, MO

**Level:** Intermediate • **CE Credit:** 2.5

**Session Overview:** The American Diabetes Association recently published a study that translates hemoglobin A1c results into an estimated average glucose (eAG). The ADA began a public campaign to have laboratories report eAG with HbA1c results. There is disagreement among both clinicians and laboratorians about the benefit of eAG which will be debated.

**Afternoon Symposium**

**Proposing the Motion**  
David Nathan, MD, Massachusetts General Hospital, Boston

**Opposing the Motion**  
Zachary Bloomgarden, MD, Mount Sinai School of Medicine, New York, NY

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Speaking in Favor
David Sacks, MB, ChB, FRCPath, Brigham and Woman's Hospital, Boston, MA

Speaking Against
Ian Young, MD, Wellcome Research Laboratories, Belfast, United Kingdom

Role of the Laboratory in the Diagnosis and Management of Human Allergic Disease 33206
Moderator: Robert Hamilton, PhD, Johns Hopkins Medical Institution, Baltimore, MD
Level: Intermediate • CE Credit: 2.5

Session Overview: This session will cover: 1) new concepts in the pathophysiologic mechanisms involved in human allergic disease; 2) a critique of in vivo (skin test) and in vitro (automated analyzers, point-of-care tests, microarrays) diagnostic allergy tests; and 3) clinical immunology laboratory monitoring of allergy patients who are conducting allergen avoidance, pharmacotherapy, immunotherapy and anti-IgE (Omalizumab) therapy.

Afternoon Speakers

Role of the Clinical Immunology Laboratory in the Diagnosis and Management of Human Allergic Disease
Robert Hamilton, PhD, Johns Hopkins Medical Institution, Baltimore, MD

Practical Applications of Automated Analyzers and Multiplex IgE Antibody Analysis in the Management of Allergy Patients
Adriano Mari, MD, IDI-IRCCS, Rome, Italy

Regulatory Aspects of IgE and IgG Based Diagnostics
Maria Chan, PhD, Food And Drug Administration, Rockville, MD

Therapeutic Drug Management in Oncology: Optimization of Chemotherapeutic Efficacy 33207
Moderator: William Clarke, PhD, DABCC, FACB, MBA, Johns Hopkins Hospital, Baltimore, MD
Level: Basic • CE Credit: 2.5

Session Overview: This symposium will address optimization of chemotherapy in oncology patients. Appropriate utilization of pharmacokinetic monitoring and pharmacogenetic information can lead to improved outcomes for patients and decreased incidence of toxicity. Opportunities for TDM in oncology, current lab tests available for chemotherapy management, and future developments for TDM in oncology will also be discussed.

Afternoon Speakers

Current Approaches to Chemotherapy Management
William Clarke, PhD, DABCC, FACB, MBA, Johns Hopkins Hospital, Baltimore, MD

Pharmacogenetics of Chemotherapy: Biomarkers, Clinical Assays, and Technologies
Alex Rai, PhD, Memorial Sloan Kettering Cancer Center, New York, NY

Utility of Drug Levels for Optimization of Chemotherapy
Salvatore Salamone, PhD, BS, MS, Saladax Biomedical Inc, Bethlehem, PA

How to Fulfill the CLIA Requirements for Calibration, Calibration Verification, and Reportable Range 73214
Moderator: Anthony Killeen, MD, PhD, University of Minnesota, Minneapolis
Level: Basic • CE Credit: 2.5
Developed in cooperation with College of American Pathologists

Session Overview: This short course will address concerns that exist in the clinical laboratory towards the approach to satisfying the CLIA ‘88 requirements for assay calibration, calibration verification, and establishing the analytical measurement range. Experts from the College of American Pathologists will discuss issues associated with these regulatory requirements and how to fulfill them.

Afternoon Speakers

Calibration and Calibration Verification: An Introduction
Anthony Killeen, MD, PhD, University of Minnesota, Minneapolis

Analytical Measurement Range, Clinically Reportable Range: Case Examples
William Castellani, BS, MD, Penn State Hershey Medical Center, Hershey
The ABCs of Starting a Clinical Pharmacogenomics Program 73216
**Moderator:** KT Jerry Yeo, PhD, DABCC, FACB, University of Chicago, IL
**Level:** Intermediate • **CE Credit:** 2.5
Developed in cooperation with Molecular Pathology Division

**Session Overview:** This short course will present practical, insightful advice for starting a pharmacogenomics program gleaned from the combined experience of the speakers who have recently instituted such programs at their respective institutions. The scope will include general pharmacogenetic-therapeutic principles, assay methodologies and evaluations, and setting up consultative services for clinical therapeutic decision making.

### Afternoon Speakers

**Potential of Clinical Pharmacogenomics for Personalized Drug Therapy**
KT Jerry Yeo, PhD, DABCC, FACB, University of Chicago, IL

**Clinical Laboratory Testing Issues for Clinical Pharmacogenomics**
Alan Wu, PhD, DABCC, San Francisco General Hospital, CA

**The Trials and Tribulations of Implementing a Clinical Pharmacogenomic Service at Dartmouth**
Lionel Lewis, MB BCh, MD, Dartmouth-Hitchcock Medical Center, Lebanon, NH

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### Laboratory Test Result Reporting – Can We Do This Better? 23212
**Moderator:** Andrew Don-Wauchope, MBBCh, BscMed(Hons), MD, MRCP (UK), FCPath (SA), FRCPath, FRCPC, McMaster University, Hamilton, Canada
**Level:** Intermediate • **CE Credit:** 2.5

**Session Overview:** The following three main topics will be addressed in this session: 1) laboratory reports – why, how and what could be done better? 2) Reporting critical difference; and 3) integration of new ideas into reports. This session will be very interactive with facilitated small group discussions revolving around the key learning objectives.

### Afternoon Speakers

**Lab Reports – Why, How and What Could Be Done Better?**
Patrick Twomey, BSc, MB, MRCPath, EurClinChem, FACB, Ipswich Hospital, United Kingdom

**Reporting Critical Difference**
Andrew Don-Wauchope, MBBCh, BscMed(Hons), MD, MRCP(UK), FCPath(SA), FRCPath, FRCPC, McMaster University, Hamilton, Canada

**Integration of New Ideas Into Reports**
Cynthia Balion, PhD, Hamilton General Hospital, Canada

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### Afternoon Interactive Workshops 2:30pm – 5:00pm

**Leading with Authority Rather Than Power** 23210
**Moderator/Speaker:** Cherie Petersen, BA, ARUP Laboratories, Salt Lake City, UT
**Level:** Intermediate • **CE Credit:** 2.5

**Session Overview:** There is a distinct difference between being a manager and being a leader. This interactive workshop will use learning exercises and small group activities to develop strategies for building authority. Participants will learn how leaders inspire people by conducting themselves in such a way that others willingly engage in activities meant for the common good simply due to their leader's influence — not their positional power.
Wednesday’s Schedule*

Thursday, July 22

7:00am – 8:30am
**NACB Board Breakfast**
Fairmont Hotel

7:00am – 12:00noon
**DxMA Board of Directors Meeting**
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
**Brown Bag Sessions**

8:00am – 12noon
**CLSI Subcommittee on Evaluation of Linearity (EP6) Meeting**
Hyatt Regency Chicago

8:45am – 10:15am
**Plenary Session**

9:30am – 5:00pm
**Expo Open**

10:30am – 11:30am
**Meet The Expert**

10:30am – 12noon
**Symposia**

10:30am – 12noon
**Short Courses**

10:30am – 12noon
**Interactive Workshops**

10:30am – 12noon
**Chair’s Invited Session**

12noon – 2:00pm
**CLSI Area Committee on Clinical Chemistry Luncheon**
Hyatt Regency Chicago

12noon – 6:00pm
**DxMA Seminar at AACC**
Sheraton Chicago Hotel & Towers

12:30pm – 1:30pm
**Brown Bag Sessions**

12:30pm – 2:15pm
**NACB Awards Luncheon and Membership Meeting**
Fairmont Hotel

12:30pm – 3:30pm
**Division of Animal Clinical Chemistry General Businesses Meeting**
Hyatt Regency Chicago

2:00pm – 4:00pm
**SYCL Committee Meeting**
Hyatt Regency Chicago

2:30pm – 5:00pm
**Symposia**

2:30pm – 5:00pm
**Short Courses**

2:30pm – 5:00pm
**Interactive Workshops**

2:30pm – 5:00pm
**Chairs Invited Session**

3:00pm – 6:00pm
**North Carolina, Southeast and Texas Local Sections Mixer**
Hyatt Regency Chicago

4:30pm – 6:00pm
**CSCC Reception**
Sheraton Chicago Hotel & Towers

5:30pm – 7:30pm
**Van Slyke Foundation Silent Auction and Reception**
Union League Club

If no location is specified, the session will take place at the McCormick Place Convention Center.

*Please check the AACC/CSCC Annual Meeting Website at [www.aacc.org/2009am](http://www.aacc.org/2009am) for the most up-to-date schedule.*
Patient Safety and Healthcare Outcomes at the Clinical Interface: Achieving National Priorities for Action and Improvement 14001

Carolyn Clancy, MD
Agency for Healthcare Research & Quality, Rockville, MD
Level: Intermediate • CE Credit: 1

Session Overview: Dr. Carolyn Clancy, director of the Agency for Healthcare Research and Quality (AHRQ), will provide an overview of current trends and pressures that are shaping the health care delivery system; describe the importance of engaging all stakeholders, particularly the clinical laboratory, in achieving high quality care through research and evidence; and explain how collaboration at the local level can lead to national strategies for improved patient outcomes. Key contributors to success include information technology, evidence-based management of care and rapid translation of new advances into clinical practice.

Please check the AACC Annual Meeting website at www.aacc.org/2009am for Expected Outcomes for each session.

2009 CSCC AWARDS TO BE PRESENTED DURING THIS PLENARY SESSION

Connie Prosser, PhD, FCACB
Division of Laboratory Medicine, University of Alberta Hospitals
CSCC Award for Outstanding Contribution to Clinical Chemistry
Supported by Siemens Healthcare Diagnostics

Gillian Lockitch, MD, FRCPC, FCACB
Retired
CSCC Education Excellence Award
Supported by Beckman Coulter Canada

Denis Lehotay, PhD, FCACB
Provincial Laboratory, Saskatchewan Health
CSCC Research Excellence Award
Supported by Ortho-Clinical Diagnostics

J. Gilbert Hill, PhD, MD, FCACB
The Vanderbilt Clinic
Information Services, The Hospital for Sick Children
CSCC Grant for Leadership and/or Administration
Supported by Abbott Diagnostics

Vinita Thakur, PhD
Batra Hospital & Medical Research Centre, New Delhi India
CSCC International Exchange Grant
Supported by Roche Diagnostics

Trefor Higgins, MSc., FCACB
Director of Clinical Chemistry, DynaLIFEDx
CSCC International Exchange Grant
Supported by Roche Diagnostics

Donald C. Greenway, PhD, FCACB
Department of Pathology & Lab Medicine, The Ottawa Hospital-General Campus
CACB Award for Outstanding Contribution to the Profession of Clinical Biochemistry
Supported by Siemens Healthcare Diagnostics
BROWN BAG SESSIONS
7:30am – 8:30am | 12:30pm – 1:30pm

- Brown bag sessions are presented twice daily. Attendance is limited to ten participants per session. Advance registration and session fees are required. 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 noontime sessions.

- CE Credit: Each Brown Bag session is eligible for one hour, unless otherwise noted.

PAPP-A: Utility Beyond Prenatal Screening
44101 or 54201
Speaker: Amy Saenger, PhD, DABCC, Mayo Clinic, Rochester, MN
Level: Intermediate

A Fully Automated Platform for Molecular Diagnostics
44102 or 54202
Speaker: Claudine Bartels, PhD, Dartmouth-Hitchcock Medical Center, Lebanon, NH
Level: Basic

Hemoglobinopathies for Chemists 44103 or 54203
Speaker: Trefor Higgins, MSc, FCACB, DynaLIFEdx, Edmonton, Canada
Level: Intermediate

Autoverification of Clinical Laboratory Results
44104 or 54204
Speaker: Sihe Wang, PhD, DABCC, FACB, Cleveland Clinic, OH
Level: Basic

Betahydroxybutyrate in the Assessment of Neonatal Hypoglycemia 44105 or 54205
Speaker: Andrew Don-Wauchope, MBBC, BscMed (Hons), MD, MRCP (UK), FCPath (SA), FRCPath, FRCP, McMaster University, Hamilton, Canada
Level: Basic

The Emerging Field of Biorepository Science and Biobanks 44106 or 54206
Speaker: Cynthia Balion, PhD, Hamilton General Hospital, Hamilton, Canada
Level: Basic

How to Order and Interpret Porphyrin Assays 44107 or 54207
Speaker: William Schreiber, MD, DABP, Vancouver General Hospital, Canada
Level: Basic

LDL Particle Size Measurement in Clinical Practice
44108 or 54208
Speaker: Veronica Luzzi, PhD, DABCC, FACB, Henry Ford Hospital, Detroit, MI
Level: Intermediate

Laboratory Diagnosis of Sepsis 44109 or 54209
Speaker: James Faix, MD, Stanford University, Palo Alto, CA
Level: Basic

Drug Interference – The Unsolved Problem 44110 or 54210
Speaker: Oswald Sonntag, PhD, Ortho Clinical Diagnostics GmbH, Eichenzau, Germany
Level: Basic

Medical Error and Patient Safety: Strategies to Reduce and Disclose Error – A Global Perspective 44111 or 54211
Speaker: Jawahar (Jay) Kalra, MD, PhD, FRCPC, FCACB, Royal University Hospital, Saskatoon, Canada
Level: Basic

How People Try to Beat Drug Testing and Defend Positive Test Results 44112 or 54212
Speaker: Amitava Dasgupta, PhD, DABCC, NRCC, University of Texas at Houston Medical School
Level: Basic

Hepatitis C Virus: Epidemiology, Diagnosis and Patient Management 44113 or 54213
Speaker: Peter Chou, PhD, DABCC, FACB, Quest Diagnostics Nichols Institute, Chantilly, VA
Level: Intermediate

= Ticketed sessions require additional fees
Interpretation of Glycohemoglobin Results 44114 or 54214
Speaker: William Roberts, MD, PhD, University of Utah, Salt Lake City
Level: Intermediate

Serum vs. Plasma: Which Specimen Should You Use? 44115 or 54215
Speaker: Jeffrey Chance, PhD, BD Diagnostics - Preanalytical Systems, Franklin Lakes, NJ
Level: Basic

Facilitate Oversight of POCT Using the Electronic Medical Record 44116 or 54216
Speaker: Peggy Mann, MS, BS, MT (ASCP), University of Texas Medical Branch, Texas City
Level: Basic
Developed in cooperation with Critical and Point-of-Care Testing Division

The Evolution of Sweat Testing 44117 or 54217
Speaker: Martha Lyon, PhD, MSc, Alberta Children’s Hospital, Calgary, Canada
Level: Basic

Challenges of Thyroglobulin Measurement for Cancer Surveillance 44118 or 54218
Speaker: Lei Fu, PhD, Sunnybrook Health Science Center, Toronto, Canada
Level: Intermediate

Blood Ethanol: The Lab and the Law 44119 or 54219
Speaker: David Kinniburgh, PhD, DBACC, DABCC, FCACB, Alberta Centre for Toxicology, Calgary, Canada
Level: Intermediate

Urine Drug Testing in Pain Management: Challenges and Opportunities 44120 or 54220
Speaker: Roger Bertholf, PhD, DABCC, FACB, University of Florida, Jacksonville
Level: Intermediate

CLSI - Using Consensus in Standards Development and How Volunteers are the Key to the Process 44121 or 54221
Speaker: Thomas Williams, MD, Nebraska Methodist Health System, Omaha
Level: Basic
Developed in cooperation with Clinical and Laboratory Standards Institute

Getting the Lead Out: Current Health Initiatives and Laboratory Measurement in Childhood Lead Poisoning 44122 or 54222
Speaker: Shannon Haymond, PhD, DABCC, Children’s Memorial Hospital, Chicago, IL
Level: Basic

Patient Safety and Tight Glycemic Control: Determining Accuracy Requirements for Glucose Meters 44123 or 54223
Speaker: Brad Karon, MD, PhD, FCAP, FACB, Mayo Clinic, Rochester, MN
Level: Intermediate

ISO 15189, ISO 9001 and ISO 14001 Standards and Their Applicability in Accreditation and Certification Programs for Clinical Laboratories 44124 or 54224
Speaker: Daniel Perigo, RPh, Fleury Diagnostics, São Paulo, Brazil
Level: Basic

Effective Implementation of Third Party Reagents as Applications on Automated Clinical Chemistry Analyzers 44125 or 54225
Speaker: Jian Dai, PhD, FACB, FCACB, Siemens Healthcare Diagnostics, Tarrytown, NY
Level: Basic

Newborn Screening: Past, Present and Future 44126 or 54226
Speaker: Uttam Garg, PhD, Children’s Mercy Hospital, Kansas City, MO
Level: Basic
Developed in cooperation with Pediatric and Maternal-Fetal Division

POCT: Management Strategies and Challenges 44127 or 54227
Speaker: Nikolina Babic, PhD, University of Chicago, IL
Level: Basic

Lipids – What’s New in 2009? 44128 or 54228
Speaker: Amar Sethi, PhD, MD, Vascular Medicine Branch/National Institutes of Health, Bethesda, MD
Level: Basic

Select the Best LC-MS Platform For Your Toxicology Screening Application 44129 or 54229
Speaker: Marta Kozak, MS, ThermoFisher Scientific, San Jose, CA
Level: Advanced • (ACCENT® Credit Only)
Novel Angiogenic Factors for Predicting Preeclampsia

Speaker: Yu Chen, MD, PhD, University of Toronto, Canada

Level: Basic

Beyond Lipids – Lipoproteins and Inflammatory Markers for Cardiovascular Risk Assessment

Moderator: James Wesenberg, PhD, David Thompson Health Region, Red Deer, Canada

Level: Intermediate

Session Overview: This session reviews recent advances in understanding: 1) apolipoprotein function and roles in cardiovascular disease; 2) lipoproteomics – newly discovered diversity of apolipoproteins; 3) issues related to the measurement of lipids and lipoproteins; 4) evidence that measurement of apo B and apo A1 is superior to a cholesterol-based approach for cardiovascular risk assessment; and 5) the role of C-reactive protein and Lp-PLA2 as cardiovascular risk factors.

Morning Speakers

Apolipoprotein Function: Roles in Atherosclerosis
Alan Remaley, MD, PhD, National Institutes of Health, Bethesda, MD

Lipoproteomics: New Found Diversity of Apolipoproteins
Glen Hortin, MD, PhD, NIH Department of Laboratory Medicine, Bethesda, MD

Afternoon Speakers

Analytical Issues in the Measurement of Lipids and Lipoproteins
Joseph McConnell, PhD, DABCC, Mayo Clinic, Rochester, MN,

The Superiority of Apo B and Apo A1 over Other Lipids and Lipoproteins as Risk Markers for Acute Myocardial Infarction
Matthew McQueen, MD, PhD, St. Joseph’s Healthcare, HRLMP, Hamilton, Canada

CRP and Lp–PLA2 as Markers of Cardiovascular Disease and Stroke

Gary Myers, PhD, FACB, Centers for Disease Control & Prevention, Atlanta, GA

Morning Meet The Expert

Attendance in this session is strictly limited to 50 persons and will be on a first-come, first-served basis.

Patient Safety and Healthcare Outcomes at the Clinical Interface

Speaker: Carolyn Clancy, MD, Agency for Healthcare Research & Quality, Rockville, MD
Moderator: William Winter, MD, FCAP, FACB, University of Florida, Gainesville  
Level: Intermediate • CE Credit: 1

Session Overview: In this Meet the Expert session, Dr. Carolyn Clancy, director of the Agency for Healthcare Research and Quality (AHRQ), will provide an overview of current trends and pressures that are shaping the health care delivery system. She will describe the importance of engaging all stakeholders, particularly the clinical laboratory, in achieving high quality care through research and evidence, and explain how collaboration at the local level can lead to national strategies for improved patient outcomes. Key contributors include information technology, evidence-based management of care and rapid translation of new advances.

Morning Symposia  
10:30am - 12noon

Using Interpretative Comments to Enhance Clinician Understanding of Laboratory Results - Perspectives and Discussion from the UK and US 34101  
Moderator: Danielle Freedman, MB, ChB, FRCPath, Luton & Dunstable Hospital NHS Trust, United Kingdom  
Level: Intermediate • CE Credit: 1.5

Session Overview: There is an ongoing global debate around the value of the laboratory adding interpretative comments to test reports. This session will evaluate the evidence linking interpretative comments to clinical outcome, describe the diversity in this practice and the value of clinician and scientist input, and discuss real-life cases as examples of this practice.

Morning Speakers  
Does the Use of Interpretative Comments Enhance the Clinicians Understanding of Laboratory Results? - UK Experience  
Danielle Freedman, MB, ChB, FRCPath, Luton & Dunstable Hospital NHS Trust, United Kingdom

The Indispensable Laboratory Director  
Michael Laposata, MD, PhD, The Vanderbilt Clinic, Nashville, TN

Innovative Kidney Biomarkers: The Preclinical Through Clinical Perspective 34103  
Moderator: Douglas Thudium, MS, Merck & Co., Inc., West Point, PA  
Level: Intermediate • CE Credit: 1.5  
Developed in cooperation with Animal Clinical Chemistry Division

Session Overview: This session will provide the scientific rationales, procedures and path forward used by the Predictive Safety Testing Consortium and International Life Sciences Institute kidney biomarker groups to address the preclinical and clinical need for new biomarkers of kidney injury. Status of these joint industry, academic and regulatory efforts will be provided.

Morning Speakers  
Evaluation of Urinary Biomarkers for Kidney Injury: from Rats to Regulatory Approvals  
David Gerhold, PhD, Merck Research Laboratories, West Point, PA

Science and Technology of Kidney Injury Molecule-1 as a Safety Biomarker  
Vishal Vaidya, PhD, Harvard Institutes of Medicine, Boston, MA

Avoiding Catastrophic Drug Toxicities: The Pharmacogenomics of Drugs that Cause Hypersensitivity Reactions 34106  
Moderator: KT Jerry Yeo, PhD, DABCC, FACB, University of Chicago, IL  
Level: Intermediate • CE Credit: 1.5  
Developed in cooperation with Molecular Pathology Division

Session Overview: Drugs such as abacavir, carbamazepine and allopurinol can produce significant life-threatening toxicities. Recent advances show that testing for specific HLA-B polymorphisms can be used to predict delayed hypersensitivity reaction for the drugs listed above. This symposium will describe the role of pharmacogenomics in reducing adverse drug events, namely hypersensitivity reactions.

Morning Speakers  
Drugs that Cause Hypersensitivity Reactions  
Elizabeth Phillips, MD, Murdoch University, Perth, Australia

Pharmacogenomic Testing for Predicting At Risk Patients – Genotyping and Flow Cytometry of HLA-B  
Simon Mallal, MBBS, Royal Perth Hospital, Australia
Contemporary Issues in Fetal Lung Maturity Testing 34107
Moderator: David Grenache, PhD, MT(ASCP), DABCC, FACB, University of Utah & ARUP Laboratories, Salt Lake City
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with Pediatric and Maternal-Fetal Division

Session Overview: This session will present information on the pathophysiology, management, and treatment of neonatal respiratory distress syndrome; a review of currently available laboratory tests for the assessment of fetal lung maturity; and practical aspects of introducing the lamellar body count test into a clinical laboratory.

Morning Speakers

Neonatal Respiratory Distress Syndrome and the Clinical Utility of Fetal Lung Maturity Testing
David Grenache, PhD, MT(ASCP), DABCC, FACB, University of Utah & ARUP Laboratories, Salt Lake City

The Lamellar Body Count: How to Develop, Validate, and Introduce It into Your Laboratory
Ann Gronowski, PhD, FACB, DABCC, Washington University School of Medicine, St. Louis, MO

Morning Short Courses

Thromboelastography (TEG): Theory and Practice 74113
Moderator: Martin Kroll, MD, Boston University School of Medicine, MA
Level: Basic • CE Credit: 1.5

Session Overview: This short course will provide an introduction to the science behind thromboelastography (TEG) and its use in cardiac and trauma surgery and antiplatelet therapy. TEG provides information about the interaction between platelets and the coagulation cascade as well as clot lysis.

Morning Speaker

Thromboelastography: Theory and Practice
Martin Kroll, MD, Boston University School of Medicine, MA

Biomarkers for Detection of Myocardial Injury and Risk Stratification in Acute Coronary Syndromes and Heart Failure: Perspectives from a Laboratorian and Clinician 74115
Moderator: Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN
Level: Advanced • CE Credit: 1.5

Session Overview: This short course will review: 1) the pathophysiology of biomarker release into the circulation; 2) analytical and clinical guidelines pertaining to the role of biomarkers in the diagnosis and risk assessment in acute coronary syndromes and heart failure, as well as non-ischemic presentations; and 3) the role of novel biomarkers to complement cardiac troponins and natriuretic peptides. Case presentations will be used to illustrate the integration of emergency medicine, cardiology and the laboratory.

Morning Speakers

Analytical Issues Regarding Biomarker Assays for Monitoring ACS and HF
Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN

Clinical Utilization of Biomarkers in ACS and HF
Allan Jaffe, MD, Mayo Clinic, Rochester, MN

Morning Interactive Workshops

Teaching Leadership and Management Principles to Future Laboratory Directors 24109
Moderator: Steve Manzella, PhD, York Hospital/Laboratory Services, PA
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with SYCL and Management Sciences Division

Session Overview: This workshop will review examples of formal programs for teaching leadership and management skills to future laboratory directors, comparing and contrasting various approaches. The experience of one institution in initiating a formal leadership and management course for residents and fellows will be explored in detail. This information will be the basis for a certificate in laboratory management offered by the AACC Management Sciences Division.
Morning Speakers

Leadership and Management Training for Future Laboratory Directors: State of the Art
Steve Manzella, PhD, York Hospital/Laboratory Services, PA

Establishing a Formal Leadership and Management Curriculum: One Institution’s Tale
Brad Karon, MD, PhD, FCAP, FACB, Mayo Clinic, Rochester, MN

Clinical Toxicology Cases 24111
Moderator: Tai Kwong, PhD, DABCC, University of Rochester Medical Center, NY
Level: Intermediate • CE Credit: 1.5
Developed in cooperation with Association of Clinical Biochemists, UK, and TDM & Toxicology Division

Session Overview: In this interactive workshop the investigation and treatment of a variety of different poisonings will be explored collaboratively 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 as information is revealed. 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.

Afternoon Speakers

Diagnosing Diabetes: 2009 and Beyond
David Nathan, MD, Massachusetts General Hospital, Boston

The Diagnosis of Gestational Diabetes is Changing
Boyd Metzger, MD, Northwestern University, Chicago, IL

How Accurate Are Glucose Meters? How Accurate Do They Need to Be?
David Bruns, MD, FACB, University of Virginia Medical Center, Charlottesville

AACC/ASCLS Healthcare Forum 34204
Moderator: Don Lavanty, JD, J.T. Rutherford and Associates, Arlington, VA
Level: Intermediate • CE Credit: 2.5
Developed in cooperation with ASCLS

Session Overview: This year the symposia will focus on the FDA’s post-market surveillance pilot project; legislative and regulatory efforts to oversee genetic testing; ongoing and future changes to the Medicare payments system; and the prospects for healthcare reform in 2009 and beyond.

Afternoon Speakers

MedSun: FDA’s Post-Market Surveillance Pilot Reporting Project
Ruth Chesler, BS, MT (ASCP), FDA / CDRH, Rockville, MD

Government Efforts to Regulate Genetic Testing
Peter Kazon, Esq, JD, Alston & Bird, Washington, DC

Changes in Medicare Payment Policy
Charles Root, PhD, CoeMap LLC, Barrington, IL

Prospects for Healthcare Reform
Elissa Passiment, EdM, CLS (NCA), ASCLS, Bethesda, MD
Implementation of Pharmacogenomics for Warfarin: The Time is Now 34205
**Moderator:** KT Jerry Yeo, PhD, DABCC, FACB, University of Chicago
**Level:** Intermediate • **CE Credit:** 2.5
*Developed in cooperation with Molecular Pathology Division*

**Session Overview:** Warfarin is an anticoagulant that has a very narrow safety profile. Pharmacogenomic testing for cytochrome P450 2C9 and vitamin K epoxide reductase complex has been shown to be effective in predicting the best starting dose for warfarin in order to reduce the risk for thrombotic and bleeding events. This session will discuss the role of pharmacogenomics in warfarin dosing, testing platforms used for warfarin genotyping, and issues related to creating a clinical pharmacogenomic service.

**Afternoon Speakers**

**The Pharmacogenomics of Warfarin**
Michael Caldwell, MD, PhD, Marshfield Clinic, WI

**The Role of Clinical Pharmacy for Interpretation of Results and Use of Dosing Algorithms**
Brian Gage, MD, MSc, Washington University School of Medicine, St Louis, MO

**Pharmacogenomic Testing for Warfarin**
Alan Wu, PhD, DABCC, San Francisco General Hospital, CA

**Afternoon Short Courses**
2:30pm - 5:00pm

**Calculated Results: An Evidence and Quality Void? 74212**
**Moderator:** David Parry, PhD, St Boniface General Hospital, Winnipeg, Canada
**Level:** Intermediate • **CE Credit:** 2.5

**Session Overview:** Calculated results (e.g., eGFR, LDL cholesterol, anion gap, and various other gaps and ratios) are in widespread use in clinical medicine and practice guidelines without consideration of the clinical impact of the propagation of errors involved. This short course takes a critical look at what needs to be done to improve the clinical utility of specific calculated values.

**How to Establish and Verify Reference Intervals — Not as Difficult as You Think 74216**
**Moderator:** Gary Horowitz, MD, Beth Israel Deaconess Medical Center, Boston, MA
**Level:** Basic • **CE Credit:** 2.5

**Session Overview:** Every laboratory provides reference intervals for its measurements. Establishing our own reference intervals seems far too complicated and beyond our capabilities, so most of us simply adopt the values provided by manufacturers. This short course will de-mystify the process, show how validation can be done with as few as 20 samples, and examine data from real laboratories to see current performance and ways towards improvement.

**Afternoon Speakers**

**Reference Intervals as Rudux: Easier Than You Fear**
Gary Horowitz, MD, Beth Israel Deaconess Medical Center, Boston, MA

**Reference Interval Statistics: Most (But Not All) Are User-Friendly**
Paul Horn, PhD, University of Cincinnati, OH

**Data From the Front Lines - What Can We Learn From Proficiency Testing and Real Patient Data**
David Seccombe, MD, PhD, Canadian External Quality Assessment Laboratory, Vancouver, Canada

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**Wednesday, July 22**

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**= Ticketed sessions require additional fees**
Clinical Cases in Coagulation Testing - What Does the PTT Tell Us and When Should We Listen? 24210

Moderator: Neil Harris, MD, University of Florida College of Medicine, Gainesville
Level: Intermediate • CE Credit: 2.5

Session Overview: This interactive workshop will use case studies and group discussion to: 1) review the measurement of the activated partial thromboplastin time (aPTT) with emphasis on important pre-analytic factors; 2) review the current in vivo models of hemostasis with an emphasis on important differences between what the aPTT determines and what is actually occurring in the blood vessel; and 3) discuss the laboratory findings in different case scenarios where the aPTT is prolonged (of these, only a subset of the cases will be associated with hemorrhage).

Afternoon Speakers

Review of Basic Coagulation Principles and Testing with Emphasis on the Activated Partial Thromboplastin Time (aPTT)
William Winter, MD, FCAP, FACB, University of Florida, Gainesville

Patient Cases Where PTT Testing and the Clinical Course May Be Discordant
Neil Harris, MD, University of Florida College of Medicine, Gainesville

Hot Topics in Point-of-Care Testing 24214

Moderator: Paula Santrach, MD, FCAP, FACB, Mayo Clinic, Rochester, MN
Level: Intermediate • CE Credit: 2.5

Session Overview: This session will provide the latest information on new developments in point-of-care testing in chemistry, microbiology, and coagulation. Topics include intensive glucose control, lactate testing, information management, infectious disease testing, anti-platelet therapy, and hemostasis assessment/therapy. Case studies, examples and exercises will illustrate practical approaches to these issues.
Thursday’s Schedule*

7:30am – 10:00am

7th Annual POCC Forum:
Advancing Patient Safety through Point-of-Care Testing
McCormick Place Convention Center

8:00am – 9:00am

CACB 2009-2010 Board of Directors Meeting
Sheraton Chicago Hotel & Towers

8:00am – 9:00am

CSCC 2009-2010 Board of Directors Meeting
Sheraton Chicago Hotel & Towers

9:00am – 12noon

CLSI Subcommittee on Evaluation of Precision (EPS) Meeting
Hyatt Regency Chicago

9:30am – 12noon

Symposia

9:30am – 2:00pm

Expo Open

12:30pm – 2:00pm

Plenary Session

If no location is specified, the session will take place at the McCormick Place Convention Center.

* Please check the AACC/CSCC Annual Meeting Website at www.aacc.org/2009am for the most up-to-date schedule.
Management of Drug-Drug Interactions 15001

Neil Sandson, MD
Perry Point VA Medical Center, MD

Level: Intermediate • CE Credit: 1

Session Overview: Therapeutic drug monitoring (TDM) allows the titration of medication dosages to produce desired serum concentrations in order to avoid toxicity and sub-therapeutic dosing. Dr. Sandson will highlight how TDM can also play a critical role in preventing significant drug-drug interactions (DDIs). This presentation will also examine when it is appropriate to measure free drug and parent-metabolite concentrations.

Please check the AACC Annual Meeting website at www.aacc.org/2009am for Expected Outcomes for each session.
Session Overview: This session will provide a detailed description of the process of identifying opportunities for validating reference materials and implementing global standardization of analytes measured by immunoassay. Practical considerations for laboratorians, manufacturers and clinicians will be reviewed, with specific emphasis on improving quality of laboratory information and impact on patient care. This session will examine three groups of analytes and the successes, challenges and future issues for each. Steroid and peptide hormones have attracted a great deal of interest from laboratorians and clinicians seeking to harmonize patient results so as to enable interchangeable reporting of these analytes. Tumor markers are a special case, as many of these markers are poorly defined antigens that circulate in healthy subjects as well as in those with disease, and antibody selection and epitope definition is often critical. Cardiac markers, especially troponin, are recognized targets for standardization, because a cardiac patient may be seen by several clinical services, and possibly in different institutions, during the course of a single cardiac episode. The opportunity to use standardization projects to rationalize reference intervals will also be examined.

Morning Speakers

Immunoassay Standardization: Why, What and How
Bernard Cook, PhD, DABCC, FACB, Beckman Coulter Inc, Chaska, MN

Improving Endocrine Assays Through Standardization
Catharine Sturgeon, PhD, The Royal Infirmary of Edinburgh, United Kingdom

Challenges and Successes in Standardizing Cancer Antigens Assays
Martin Fleisher, PhD, FACB, Memorial-Sloan Kettering Cancer Center, New York, NY

Can We Harmonize Natriuretic Peptide and Troponin Assays through Standardization
Alan Wu, PhD, DABCC, San Francisco General Hospital, CA

Challenges and Opportunities in Detecting Prescription Drug Use and Abuse 35101
Moderator: Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee
Level: Basic • CE Credit: 2.5

Session Overview: Prescription drug abuse is increasingly recognized as a national problem involving divergent population groups, including high schools, universities, sports, and workplaces such as the transportation and mining industries. While current laboratory diagnostic tests may be able to detect some of the prescription drugs, more comprehensive test panels are needed to analyze the wide range of prescription drugs having abuse potential. Since prescription drugs may be ingested along with alcohol and other drugs, clinical pharmacology and pharmacogenomics will be updated to aid in clinical interpretation.

Morning Speakers

An Overview of National Prescription Drug Statistics: Issues and Concerns
Janine Cook, PhD, DABCC, FACB, DWP/CSAP/SAMHSA/HHS, Rockville, MD

Pharmacogenomics and Monitoring/Screening of Prescription Drugs
Steven Wong, PhD, DABCC (TC), FACB, Medical College of Wisconsin, Milwaukee

Alcohol and Prescription Drug Abuse - Pharmacogenomics and Drug-Drug Interactions
Michael Wagner, PhD, Indiana University School of Medicine, Indianapolis

Challenges and Clinical Impacts of Standardization of Immunoassays for Hormones, Tumor Markers and Cardiac Markers 35102
Moderator: Bernard Cook, PhD, DABCC, FACB, Beckman Coulter Inc, Chaska, MN
Level: Intermediate • CE Credit: 2.5
Developed in cooperation with Clinical Laboratory Standards Institute, UK National External Quality Assessment Service, and Industry Division

Coronary Artery Disease Update: Integration of Imaging, Biomarkers and Interventional Therapy for Improving Patient Diagnosis and Outcomes 35103
Moderator: Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN
Level: Intermediate • CE Credit: 2.5
Session Overview: How clinicians integrate sophisticated imaging approaches and biomarkers is challenging especially outside of the research setting. Presentations will explore those facets of this conjoint approach, which are well validated and ready for clinical implementation. Advances in noninvasive and invasive plaque imaging and characterization will be presented; and combined with biomarkers will provide an overall strategy for detecting potentially vulnerable vessels and plaques. Analytical characteristics of current generation and high sensitive cardiac troponin assays will be discussed regarding their role in the integrated clinical approach.

Morning Speakers

Analytical Laboratory Issues Addressing Use of Biomarkers for the Diagnosis and Risk Stratification of Acute Coronary Syndrome
Fred Apple, PhD, Hennepin County Medical Center, Minneapolis, MN

Integrating Biomarkers and Imaging into Clinical Practice
Allan Jaffe, MD, Mayo Clinic, Rochester, MN

Cardiac Imaging Using CTA and MRI to Improve Risk Assessment in Patients Presenting With Acute Coronary Syndromes
Robert Schwartz, MD, Minneapolis Heart Institute Foundation, MN

Clinical Proteomics: Identifying Biomarkers and Cancer
Moderator: Daniel Chan, PhD, DABCC, FACC, Johns Hopkins Medical Institutions, Baltimore, MD
Level: Intermediate  •  CE Credit: 2.5
Developed in cooperation with USHUPO, Proteomics Division

Session Overview: In this session, the leading experts from the USHUPO (Human Proteomics Organization) will present the current status of clinical proteomics. The focus of this session will be on two promising technologies, mass spectrometry and protein microarrays, and their application to the study of cancer in human disease.

Morning Speakers

Translation of Cancer Proteomic Biomarkers into Clinical Practice
Daniel Chan, PhD, DABCC, FACC, Johns Hopkins Medical Institutions, Baltimore, MD

The Application of Protein Microarrays for Functional Proteomics
Joshua LaBaer, MD, PhD, Harvard Medical School, Cambridge, MA

Glycan Biomarkers Identified by Mass Spectrometry for Cancer Detection
William Hancock, PhD, Barnett Institute, Boston, MA

Omega-3 (n-3) Fatty Acids: Evidence for and Monitoring of Their Roles in Cardiovascular and Inflammatory Diseases
Moderator: Edgard Delvin, PhD, FCABC, FCABC, Ste-Justine Hospital, Montreal, Canada
Level: Intermediate  •  CE Credit: 2.5
Developed in cooperation with Lipoproteins and Vascular Diseases Division, Molecular Pathology Division

Session Overview: During this session the metabolism of n-3 and n-6 fatty acids will be described. Evidence linking increased intakes of both classes of fatty acids with reduced risk for heart disease, their interaction with genes coding for lipoxygenases and 5-lipoxygenase activating proteins and how such interactions influence individuals' predisposition to atherosclerosis will also be discussed. The beneficial effect of n-3 fatty acids in maintaining remission in Crohn's disease and other inflammatory bowel diseases will also be addressed.

Morning Speakers

Omega-3 and Cardiovascular Disease: Biomarkers and Interventions
William Harris, PhD, Sanford School of Medicine, Sioux Falls, SD

Interaction of Omega-3 Fatty Acid Intake With Genetic Predisposition to CVD - A Nutritional Genomic Study
Michael Tsai, MS, PhD, University of Minnesota, Minneapolis

Omega-3 and Inflammatory Diseases: Interventions Studies
Emile Levy, MD, PhD, CHU Sainte-Justine, Universite de Montreal, Canada
# GOVERNANCE AND SPECIAL EVENTS SCHEDULE

## Friday, July 17, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00am – 5:00pm</td>
<td>CLSI Executive Committee Meeting</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>8:00am – 6:00pm</td>
<td>ABCC Examination</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>8:00am – 12noon</td>
<td>MSD Executive Committee Meeting</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>9:00am – 12noon</td>
<td>CACB Oral Examinations</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
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<tr>
<td>9:30am – 4:00pm</td>
<td>Joint Committee on the Traceability of Laboratory Medicine (JCTLM)WG-1 and WG-2 Business Meeting</td>
<td>Hyatt Regency Chicago</td>
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<td>12noon – 1:00pm</td>
<td>AACC Board/House of Delegates Lunch</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>1:00pm – 5:00pm</td>
<td>AACC House of Delegates</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>1:00pm – 5:30pm</td>
<td>SYCL Workshop – Financial Leadership and Management Skills for Laboratory Directors</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>3:30pm – 4:30pm</td>
<td>Joint CSCC Council/CACB Board of Directors Meeting</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
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<tr>
<td>5:30pm – 7:30pm</td>
<td>SYCL Workshop Mixer</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>5:30pm – 8:00pm</td>
<td>14th Annual Management Sciences Division Leadership Seminar</td>
<td>Hyatt Regency Chicago</td>
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## Saturday, July 18, 2009

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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am – 3:00pm</td>
<td>CSCC 2008-2009 Council Meeting</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
</tr>
<tr>
<td>8:00am – 6:00pm</td>
<td>ABCC Examination</td>
<td>Hyatt Regency Chicago</td>
</tr>
<tr>
<td>8:00am – 12noon</td>
<td>MSD Executive Committee Meeting</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>9:00am – 12noon</td>
<td>CACB Oral Examinations</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
</tr>
<tr>
<td>12noon – 1:00pm</td>
<td>AACC Board/House of Delegates Lunch</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>1:00pm – 5:00pm</td>
<td>AACC House of Delegates</td>
<td>Hyatt Regency Chicago</td>
</tr>
<tr>
<td>1:00pm – 5:30pm</td>
<td>SYCL Workshop – Financial Leadership and Management Skills for Laboratory Directors</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>3:30pm – 4:30pm</td>
<td>Joint CSCC Council/CACB Board of Directors Meeting</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
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<tr>
<td>5:30pm – 7:30pm</td>
<td>SYCL Workshop Mixer</td>
<td>Hyatt Regency Chicago</td>
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<td>5:30pm – 8:00pm</td>
<td>14th Annual Management Sciences Division Leadership Seminar</td>
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## Sunday, July 19, 2009

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<tr>
<th>Time</th>
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<tr>
<td>8:00am – 11:00am</td>
<td>LVDD Executive Committee (Board) Meeting</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>8:30am – 11:00am</td>
<td>AACC Board Meeting</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>9:00am – 12noon</td>
<td>CACB Oral Examinations</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
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<tr>
<td>9:00am – 4:00pm</td>
<td>NIST/JCTLM/CCQM Workshop: Measurement and Standard Needs for Next Generation Healthcare Delivery</td>
<td>Hyatt Regency Chicago</td>
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<tr>
<td>12noon – 2:00pm</td>
<td>CACB Accreditation Committee</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
</tr>
<tr>
<td>12noon – 2:00pm</td>
<td>International Travel Grant Luncheon</td>
<td>Hyatt Regency Chicago</td>
</tr>
<tr>
<td>12noon – 2:00pm</td>
<td>CACB Maintenance of Competence Committee</td>
<td>Sheraton Chicago Hotel &amp; Towers</td>
</tr>
<tr>
<td>1:00pm – 2:30pm</td>
<td>Divisions Awards and Networking Meeting</td>
<td>Hyatt Regency Chicago</td>
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</table>
1:15pm – 4:30pm
Van Slyke Foundation Board of Trustees Meeting
Hyatt Regency Chicago

2:00pm – 5:00pm
CACB 2005-2006 Board of Directors Meeting
Sheraton Chicago Hotel & Towers

3:00pm – 4:30pm
TDM-TOX Division Membership Meeting
Hyatt Regency Chicago

3:00pm – 5:00pm
CPOCT Division Executive Committee Meeting
Hyatt Regency Chicago

3:00pm – 5:30pm
NGSP Steering Committee Meeting
Hyatt Regency Chicago

6:45pm – 7:45pm
AACC/CSCC Opening Mixer
Hyatt Regency McCormick Place

8:00pm – 10:00pm
Chicago Local Section Member Networking Mixer
Hyatt Regency Chicago

Monday, July 20, 2009

7:00am – 12noon
AACC International Market Briefing
Fairmont Hotel

7:30am – 8:30am
CSCC Annual Meetings Committee
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
CSCC International Affairs Group
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
Pediatric/CALIPER Group Meeting
Sheraton Chicago Hotel & Towers

8:00am - 12noon
ABCC Board Meeting
Hyatt Regency Chicago

9:00am – 12noon
NRCC Certification Exams
Hyatt Regency Chicago

10:00am – 12noon
NGSP/IFCC Manufacturer Forum
Hyatt Regency Chicago

11:00am – 2:00pm
IFCC – Committee for Standardization of Markers of Cardiac Damage
Sheraton Chicago Hotel & Towers

12noon – 1:30pm
AACC Annual Meeting of the Membership
McCormick Place Convention Center

12:30pm – 2:00pm
POCC to POCC Mentoring Program Get-Together
Hyatt Regency Chicago

12:30pm – 2:00pm
LISMI Division Business Meeting
Hyatt Regency Chicago

1:00pm – 5:00pm
CLSI Area Committee on Point-of-Care Testing Meeting
Hyatt Regency McCormick Place

2:00pm – 3:00pm
Student Oral Presentations
McCormick Place Convention Center

2:00pm – 3:30pm
CLSI’s President’s Message
Hyatt Regency McCormick Place

2:00pm – 5:00pm
IFCC Working Group on Standardization of Thyroid Function Test (WF-STFT)
Sheraton Chicago Hotel & Towers

3:00pm – 4:30pm
Student Posters Contest
McCormick Place Convention Center

5:00pm – 5:30pm
ABCC Forum
Hyatt Regency Chicago

5:00pm – 6:00pm
CDID Membership and Awards Meeting
Hyatt Regency Chicago

5:30pm – 6:30pm
SYCL Networking Reception
Hyatt Regency Chicago
GOVERNANCE AND SPECIAL EVENTS SCHEDULE (continued)

5:30pm – 6:30pm
AACC International Reception
Hyatt Regency Chicago

5:30pm – 9:30pm
Annual LVDD Dinner Meeting: Current Topics in Cardiovascular Disease
Hyatt Regency Chicago

6:00pm – 7:30pm
ABCC Reception in Honor of New Diplomates
Hyatt Regency Chicago

Tuesday, July 21, 2009

7:00am – 9:00am
AACC Proteomics Division Breakfast
Hyatt Regency Chicago

7:00am – 9:00am
Local Section Chairs and Chairs Elect Breakfast
Hyatt Regency Chicago

7:30am – 8:30am
CSCC Toxicology Interest Group
Sheraton Chicago Hotel & Towers

7:30am – 8:30am
CSCC Education & Publications Divisions
Sheraton Chicago Hotel & Towers

8:00am – 10:00am
C-Peptide Standardization Manufacturer Meeting
Hyatt Regency Chicago

8:00am – 10:00am
CSCC Editorial Board Meeting
Sheraton Chicago Hotel & Towers

8:00am – 12noon
CLSI Area Committee on Evaluation Protocols Meeting
Hyatt Regency Chicago

8:00am – 12noon
CLSI Subcommittee on POC Blood Glucose Testing in Acute and Chronic Care Facilities (POCT12-A3) Meeting
Hyatt Regency Chicago

10:00am – 12noon
Division of Animal Clinical Chemistry Executive Committee Meeting
Hyatt Regency Chicago

12noon – 2:00pm
Midwest Section Annual Meeting
Hyatt Regency Chicago

12noon – 4:00pm
AACC History Division Meeting
Hyatt Regency Chicago

1:00pm – 2:30pm
Pediatric Reference Range Collaborative Update
Hyatt Regency Chicago

1:00pm – 5:00pm
CLSI Area Committee on Automation and Informatics Meeting
Hyatt Regency Chicago

3:30pm – 4:30pm
Molecular Pathology Division Board of Directors Meeting
Hyatt Regency Chicago

4:30pm – 5:30pm
Molecular Pathology Division General Membership Meeting
Hyatt Regency Chicago

4:30pm – 6:00pm
Van Slyke Donors Reception
Hyatt Regency Chicago

4:30pm – 6:00pm
Industry Division Membership Meeting
Hyatt Regency Chicago

5:30pm – 6:00pm
CPOCT Division Membership Meeting
Hyatt Regency Chicago

6:00pm – 8:00pm
CPOCT Division Mixer and Awards Ceremony
Hyatt Regency Chicago

6:00pm – 9:30pm
International Lipoprotein Standardization Forum
An LVD Division symposium
Hyatt Regency Chicago

Wednesday, July 22, 2009

7:00am – 8:30am
NACB Board Breakfast
Fairmont Hotel

7:00am – 12noon
DxMA Board of Directors Meeting
Sheraton Chicago Hotel & Towers
8:00am – 12noon  
CLSI Subcommittee on Evaluation of Linearity (EP6) Meeting  
Hyatt Regency Chicago

12noon – 2:00pm  
CLSI Area Committee on Clinical Chemistry Luncheon  
Hyatt Regency Chicago

12noon – 6:00pm  
DxMA Seminar at AACC  
Sheraton Chicago Hotel & Towers

12:30pm – 2:15pm  
NACB Awards Luncheon and Membership Meeting  
Fairmont Hotel

12:30pm – 3:30pm  
Division of Animal Clinical Chemistry General Business Meeting  
Hyatt Regency Chicago

2:00pm – 4:00pm  
SYCL Committee Meeting  
Hyatt Regency Chicago

3:00pm – 6:00pm  
North Carolina, Southeast and Texas Local Sections Mixer  
Hyatt Regency Chicago

4:30pm – 6:00pm  
CSCC Reception  
Sheraton Chicago Hotel & Towers

5:30pm – 7:30pm  
Van Slyke Foundation Silent Auction and Reception  
Union League Club

Thursday, July 23, 2009

7:30am – 10:00am  
7th Annual POCC Forum: Advancing Patient Safety through Point-of-Care Testing  
A CPOCT Division symposium  
McCormick Place Convention Center

8:00am – 9:00am  
CSCC 2009–2010 Board of Directors Meeting  
Sheraton Chicago Hotel & Towers

8:00am – 9:00am  
CACB 2009–2010 Board of Directors Meeting  
Sheraton Chicago Hotel & Towers

9:00am – 12noon  
CLSI Subcommittee on Evaluation of Precision (EPS) Meeting  
Hyatt Regency Chicago
Drug addiction is a serious medical problem with significant societal costs. Clinical services and drug treatment programs increasingly utilize drug testing to help in the diagnosis and treatment of drug addiction. This symposium will address the scientific and laboratory issues of drug addiction and its treatment, including the basic science of addiction, translational research, and clinical laboratory practice.

Neurobiology of Addiction
Lionel Raymon, PharmD, PhD, University of Miami, Miami, FL

Pharmacokinetics and Disposition of Drugs of Abuse and Their Impact on the Design of Drug Testing Programs
Marilyn Huestis, PhD, National Institute on Drug Abuse, Baltimore, MD

Considerations in Oral Fluid Testing: Collection, Analysis, and Interpretation
Dennis Crouch, Aegis Sciences Corporation, Nashville, TN

PERSONALIZED GENOMICS — HYPE OR REALITY? A DEBATE.
Saturday, July 18
5:30pm – 9:30pm
Hyatt Regency Chicago Hotel
Sponsored by the Molecular Pathology and Nutrition Divisions
Supported by educational grants from Osmetech and Roche

Internet-based direct-to-consumer DNA tests are now widely marketed to the average consumer as tools of “empowering personal choices about your health and well-being.” Online services such as deCODEme and 23 and Me offer personal genotyping for fees of less than $1000. Will knowledge of disease risk promote prevention? Join this exciting debate-style symposium as we explore the potential benefits and consequences of informing consumers about their personal inherited risk factors. This joint division session will present diverging views on personalized genomic service from representatives of the genomic service market and academia. The audience may join the discussion in an interactive session with speakers at the end of the presentations.
Opening Remarks and Co-Moderators
K.T. Jerry Yeo, PhD, Molecular Pathology Division Chair, University of Chicago, Chicago, IL
Edgard Delvin, PhD, Nutrition Division Chair, CHU Ste-Justine, Montreal, CN

From Intervention to Prevention: Genetic Testing as a Cornerstone for Improving Future Healthcare
Kári Stefánsson, MD, DrMed
Chief Executive Officer
deCODE Genetics, Reykjavik, Iceland

Direct-to-Consumer DNA Testing for Personalized Genomics — A Skeptic’s View
Wayne W. Grody, MD, PhD
Professor, Division of Medical Genetics & Molecular Pathology
UCLA School of Medicine, Los Angeles, CA

Registration:
AACC/CSCC/ASCLS Members: $25
Nonmembers: $50
Registration includes a light meal followed by the scientific session.

THE ELECTRONIC HEALTH RECORD
Saturday, July 18
6:00pm – 8:30pm
Hyatt Regency Chicago Hotel
Sponsored by the AACC Laboratory Information Systems and Medical Informatics Division

President Barack Obama wants the federal government to invest in electronic health records so all medical records are digitized within five years. This will involve an investment of 10 billion dollars a year for a five-year period. However, hospitals have a long road ahead to adoption of electronic health records. This session will explore the laboratory’s role in EHR functions including order entry, results management, data capture of electronic health information, training laboratory professionals in IT functions, and administrative processes.

Challenges of Interfacing the LIS to the Electronic Health Record
Joanna C. Baker, MSPH, MT(ASCP), Laboratory Information Officer, Moncrief Army Community Hospital, Ft. Jackson, SC

Pamela Banning, 3M HIS, West Linn, OR

Registration:
AACC/CSCC/ASCLS Member/Nonmember: $20
Registration includes the scientific session followed by a reception.

Annual LVDD Dinner Meeting:
CURRENT TOPICS IN CARDIOVASCULAR DISEASE
Monday, July 20
5:30pm – 9:30pm
Hyatt Regency Chicago Hotel
Sponsored by the Lipoproteins and Vascular Diseases Division

LVDD members are invited to celebrate the division’s 20th anniversary during an evening of socializing and science. Following dinner there will be two scientific presentations. The first will address enzyme cycling and its clinical application for the homocysteine test. Homocysteine is an emerging new risk factor for cardiovascular disease and stroke that can be tested virtually on any automated clinical chemistry analyzer. The second talk, on recent advances in cardiovascular risk testing, will discuss the relative merits of alternative measures for LDL cholesterol and describe results of recent trials for the inflammatory markers CRP and Lp-PLA2.

Enzyme Cycling and Its Clinical Application for the Homocysteine Test
Chong Yuan, PhD, Diazyme Laboratories, San Diego, CA

Recent Advances in Cardiovascular Risk Testing: Lipids, Lipoproteins, and Inflammation
Joseph P. McConnell, PhD, The Mayo Clinic and Foundation, Rochester, MN

Registration:
Limited to the first 90 LVDD Members: $50
Registration includes a reception, awards presentation, and dinner followed by scientific presentations.
INTERNATIONAL LIPOPROTEIN STANDARDIZATION FORUM
Tuesday, July 21
6:00pm – 9:30pm
Hyatt Regency Chicago Hotel
Sponsored by the AACC Lipoproteins and Vascular Diseases Division. Cosponsored by the Japan Healthcare Technology Foundation and Pacific Biometrics Research Foundation.

LVDD members are invited to join international leaders in a discussion of recent findings related to lipoproteins, with a focus on new technologies and standardization efforts. The first presentation will look at CETP inhibitor, which is considered a potential lipoprotein-modifying agent, and will summarize the differences of lipoprotein phenotypes by CETP inhibitor from those in genetic CETP deficiency. The second presentation will discuss the current technology of lipid/lipoprotein testing based on results of the US-Japanese cooperative study.

Prospect of CETP Inhibitor
Akihiro Inazu, MD, Kanazawa University, Kanazawa, Japan

Performance of Current Homogeneous Methods for HDL and LDL Cholesterol: The Final Results
Greg Miller, PhD, Virginia Commonwealth University, Richmond, VA

Registration:
Limited to the first 60 LVDD members: $35
Registration includes a reception followed by dinner and scientific presentations

7th Annual POCC Forum:
ADVANCING PATIENT SAFETY THROUGH POINT-OF-CARE TESTING
Thursday, July 23
7:30am – 10:00am
McCormick Place Convention Center
Sponsored by the AACC Critical and Point-of-Care Testing Division
Supported by educational grants from Abbott Diabetes Care, Biosite, ITC, 3M Health Care, Nova Biomedical, Instrumentation Laboratory and Medical Automation Systems

A 1999 Institute of Medicine report estimates that as many as 44,000–98,000 people die in U.S. hospitals each year as a result of lapses in patient safety. This year’s forum will look at the role of point-of-care testing in promoting a culture of patient safety in the hospital setting. The session will cover the use of barcode technology, patient identification, collection of test results using connectivity platforms, and integrating risk mitigation technologies into point-of-care devices. The session will highlight the role of point-of-care coordinators in preventing error and improving the quality of patient care.

Patient Safety and Laboratory Testing: Walking the Walk
Michael Astion, MD, PhD, University of Washington Department of Laboratory Medicine, Seattle, WA

Will the Real John Smith Please Stand Up?
Peggy Mann, MS, MT(ASCP), University of Texas Medical Branch, Galveston, TX

Peas, Pickles and Pinot = Perfect Patient Protection?
Deanna Bogner, MS, MT(ASCP), Christus Santa Rosa Health Care, San Antonio, TX

Is Finding Waldo Easier than Finding POC Results in the EMR?
Patricia Kraft, MA, MT(ASCP), Good Samaritan Hospital, Dayton, OH

The Manufacturer’s Package Insert and Patient Safety – “WIIFM”?
Kim Skala, MT(ASCP), Advocate Christ Medical Center and Hope Children's Hospital, Oak Lawn, IL

Registration:
AACC/CSCC/ASCLS Member/Nonmember: $20
The registration includes breakfast followed by scientific sessions.
OPENING MIXER
Sunday, July 19
6:45pm – 7:45pm
Hyatt Regency McCormick Place

Immediately following the Opening Plenary Session, join us for a beer/wine reception in the Hyatt Regency McCormick Place. Transportation will be available from the Convention Center at the end of the Opening Mixer to most of the AACC official hotels. The Opening Mixer is included in your registration fees. No additional ticket is required; just wear your badge as a registered attendee or guest of the meeting.

AACC ANNUAL MEETING OF THE MEMBERSHIP
Monday, July 20, 2009
12noon – 1:30pm
McCormick Place Convention Center

AACC officers will provide their annual reports to the membership and respond to questions about the state of AACC. Please join this session to learn more about your association and to share your perspective with its elected leaders. It is also a chance to see the candidates for office whose names will be on the 2009 slate of candidates.

No additional ticket is required.
AACC BOOTH AND BOOKSTORE

STOP BY BOOTH #1031 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 questions.

The AACC Booth (located on the exhibit hall floor) will be open during regular expo hours:

Tuesday, July 21  9:30am – 5:00pm  
Wednesday, July 22  9:30am – 5:00pm  
Thursday, July 23  9:30am – 2:00pm

VISIT THE AACC BOOKSTORE TO BROWSE AND PURCHASE THE LATEST PUBLICATIONS IN YOUR FIELD.

Pick up the 2009 List of New Publications

Seven new releases from AACC Press are expected to be available at the meeting:

- Applying Evidence-Based Laboratory Medicine: A Step-by-Step Guide
- Blood Gases and Electrolytes, 2nd Ed.
- Critical Issues in Alcohol and Drugs of Abuse Testing
- Handbook of Workplace Drug Testing, 2nd Ed
- Principles of Forensic Toxicology, 3rd Ed.
- Quick Guide to Coagulation Testing, 2nd Ed.
- Scientific Expert in Court, 2nd Ed.

The bookstore, located in the registration area, will be open during the following hours:

Sunday, July 19  9:00am – 5:00pm  
Monday, July 20  9:00am – 5:00pm  
Tuesday, July 21  9:00am – 5:30pm  
Wednesday, July 22  9:00am – 5:30pm  
Thursday, July 23  8:30am – 3:00pm

.
REGISTRATION POLICIES AND PROCEDURES

CONFERENCE REGISTRATION – WHAT’S INCLUDED

**Look what you get with full registration**

Full Conference Registration for AACC and CSCC Members, Nonmembers, Students and Emeritus Members includes:
- Plenary Sessions
- Symposia
- Poster Sessions
- Oral Abstract Presentations
- Chair’s Invited Session
- Exhibits
- Opening Mixer
- Meet the Expert Sessions

Daily Registration/One Day Registration only includes:
- Plenary Session for that Day
- Symposia for that Day
- Poster Sessions for that Day (Tues-Thurs)
- Oral Abstract Presentations for that Day
- Chair’s Invited Sessions for that Day
- Exhibit Hall Entry for that Day (Tues-Thurs)
- Meet the Expert Sessions for that Day

Guest Registration includes:
- Plenary Sessions
- Symposia
- Poster Sessions
- Chair’s Invited Sessions
- Oral Abstract Presentations
- Exhibits
- Opening Mixer
- Meet the Expert Sessions

Expo-Only Registration includes admission to the exhibits only. Expo-Only Registration does not include admission to the educational sessions or the poster sessions. 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/2009am](http://www.aacc.org/2009am). If you do not have web access, contact Customer Service at 1-800-892-1400 or 202-857-0717 to obtain a form.

Only individuals registered for the 2009 AACC/CSCC Annual Meeting and wearing an appropriate badge may attend Annual Meeting events. Tickets are required for all Brown Bags, Short Courses, and Interactive Workshops.

If you are purchasing tickets to either Short Courses, Interactive Workshops, or Brown Bag Sessions on Monday, Tuesday, or Wednesday, you must pay the Full or Daily Conference Registration Fee and complete a registration form. Seats are limited and are assigned on a first-come, first-served basis. Register early!

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).

REGISTRATION FEES

*Save $235 on your registration. Join AACC today!*

See pages 73-74 for membership information. You may join at the same time as you register.

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<tr>
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<th>On-site Received after 6/4/09**</th>
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<td>Nonmember</td>
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<td>AACC Emeritus Member</td>
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<td>Daily Registration (Mon-Thurs)</td>
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<td>Guest/Spouse</td>
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AACC University, Short Courses and Interactive Workshops

Morning:
- AACC/CSCC Member $155 $175
- Nonmember $210 $230

Afternoon:
- AACC/CSCC Member $210 $230
- Nonmember $265 $285

Full Day:
- AACC/CSCC Member $260 $280
- Nonmember $315 $335

Brown Bag Sessions:
- Member/Nonmember $25 $25

Opening Mixer: (included with Registration – you may not attend if you are not registered)

**Any forms received after June 26, 2009 will be processed on July 17, 2009.

REGISTERING FOR INDIVIDUAL SESSIONS

Short Courses and Interactive Workshops Registration
- All fees must accompany the registration form.
- Indicate choice for each day on form, using the five- or six-digit session number.

**Note:** AACC’s liability insurance prohibits children under 18 on the exhibit floor or in educational sessions.
REGISTRATION POLICIES AND PROCEDURES (continued)

• 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 for sessions with remaining seats.

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 participants per session. There can be no exceptions. Register Early!
• Morning Brown Bag Sessions (40000 series five-digit session numbers) may be repeated in the afternoon (50000 series five-digit session 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, guest of registrants cannot be seated.
• On-site registration will be available for Brown Bag Sessions with remaining seats.

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, Meet the Expert, Chair’s Invited Sessions, Oral Abstract Presentations, and Poster Sessions

• Symposia, Plenary Sessions, Meet the Expert, Chair’s Invited Sessions, Oral Abstract Presentations, and Poster Sessions are available at no charge to conference registrants who have paid the full conference registration fee or daily registration fee (for that day), as well as to paid registered guests and exhibit staff.
• Please indicate on your registration form (using the five-digit session number) which symposia sessions 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 19, 2009.
• All fees must accompany the registration form.
• Using the six-digit session number, indicate your session choices for this day.
• Due to limited seating, guests of speakers and registrants cannot be seated.

• On-site registration will be available for sessions with remaining seats.

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 U.S. dollars drawn on a U.S. bank); Visa, MasterCard, American Express, or wire transfer.

• You can register three ways:

Online at www.aacc.org/2009am

Fax registration form (pages 69-72) 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.

Mail registration form (pages 69-72) and payment to: 2009 Annual Meeting Registration, P.O. Box 759230, Baltimore, MD 21275-9230

If you register by mail or fax, a confirmation letter will be mailed to you within two weeks of receipt of your registration form with complete payment. All registrants may view and print a copy of their confirmation letter by logging into our website at www.aacc.org. Conference attendee badges will NOT be mailed prior to the meeting. You will be able to pick up your credentials at the convention center. All individuals must show a government issued photo ID in order to pick up their badges and tickets.

CANCELLATION POLICY

All Annual Meeting cancellations must be received in writing. Written cancellations received by Thursday, June 4, 2009 will be assessed a $50 processing fee. Written cancellations received between Friday, June 5, 2009 and Friday, June 26, 2009 will be assessed a cancellation fee equal to 35% of the total registration fees. No refunds will be granted after Friday, June 26, 2009. Refunds will be processed three to four weeks after the conclusion of the meeting. Fees paid for sold-out sessions may be returned sooner.
MEETING REGISTRATION FORM

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 U.S. dollars payable through a U.S. bank) must accompany this form for registration to be processed.

Internet: www.aacc.org/2009am (credit card payments only)
Fax: 202-887-5093 (credit card payments only). Fax copy will be considered original. To avoid duplication, do not mail original.
Mail: 2009 Annual Meeting, P.O. Box 759230 ➔ New Address Baltimore, MD 21275-9230

Deadlines:
Early Bird registration ends June 4, 2009.
All forms received after June 26, 2009 will be processed on July 17, 2009.

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. Your confirmation letter will be sent to this address.

AACC/CSCC Member ID required to receive member rate.

AACC Member ID # ____________
CSCC Member ID # ____________
Degree ____________

First/Given Name ____________
Middle Name ____________
Last/Family Name ____________
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 # ____________

IF YOU CHECK ANY OF THE BOXES BELOW, EXHIBITORS WILL NOT BE ABLE TO SEND YOU ANNOUNCEMENTS AND INVITATIONS BEFORE – OR INFORMATION AFTER – THE MEETING:

Please do not include my □ email address □ fax number on my expo card.
□ Please do not share my mailing address with 2009 Annual Meeting exhibiting companies.
□ Please do not share my mailing address with other carefully screened organizations.
MEETING REGISTRATION FORM (page 2 of 4)

Registrent's Name: ____________________________

II. Your Information
The following information MUST BE completed to process your application.

A. What is the most important role you play in the acquisition of clinical lab, POC or POL systems?
- 01 Final selection in the lab
- 02 Recommend products
- 03 Evaluate options for purchase
- 04 No role

B. What is your title/position? (select the choice that most closely reflects your title/position)
- 01 President/VP/Other Executive
- 02 Group Purchasing Organization
- 03 Government Agency
- 04 Lab Manager/Lab Administrator
- 05 Chief Med Tech/Lab Supervisor
- 06 OEM Company
- 07 Lab Technologist
- 08 Buyer/Purchasing Agent
- 09 Research or Development Scientist/Engineer
- 10 Manufacturing/Operations
- 11 Marketing/Sales/Analysts
- 12 Clinical/Regulatory Affairs
- 13 Educator
- 14 Student/Fellow
- 15 Other (please specify)

C. Which best describes your organization's primary function? (select one)
- 01 Clinical Lab
- 02 Group Purchasing Organization
- 03 Government Agency
- 04 Educational Institution
- 05 OEM or Pharmaceutical/Manufacturing
- 06 Commercial/Reference Lab
- 07 Distributor/Lab Supplier
- 08 Lab Consultant
- 09 Industry Consultant
- 10 Investment
- 11 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 Government/Public Health Lab
- 06 Commercial/Reference Lab
- 07 Group Practice/POC
- 08 Blood Center/Blood Bank
- 09 Research Lab
- 10 Pharmaceutical/VD Manufacturer Lab
- 11 Forensic Lab
- 12 Veterinary Lab
- 13 Other (please specify)

E. If you work in a hospital lab, how many beds are in your hospital?
- 01 (0-199)
- 02 (200-399)
- 03 (400-599)
- 04 (600+)

F. What is the highest degree you hold?
- 01 MD and PhD
- 02 Medical Degree (MD)
- 03 Doctoral Degree (PhD)
- 04 Masters Degree (MA/MS/MBA)
- 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 OER/R&D/B2B
- 14 Pathology
- 15 Reference Lab Services
- 16 POC/Patient Self-Testing
- 17 Serology
- 18 TDM/Toxicology
- 19 Urinalysis
- 20 Veterinary Testing Products

G. Which of the following best describes your business interests at this meeting? (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)

H. What products/services are of interest to you? (check all that apply)
- 01 Automation/Robotics
- 02 Cancer Diagnostics/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 POC/Patient Self-Testing
- 17 Serology
- 18 TDM/Toxicology
- 19 Urinalysis
- 20 Veterinary Testing Products

III. Conference Registration Fees
Please check choice(s)

<table>
<thead>
<tr>
<th>Early Bird (received by 6/4/09)</th>
<th>Regular (received after 6/4/09)</th>
</tr>
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<tbody>
<tr>
<td>Full Conference Registration</td>
<td></td>
</tr>
<tr>
<td>01 AACC Member $500</td>
<td>$625</td>
</tr>
<tr>
<td>01A CSCC Member $500</td>
<td>$625</td>
</tr>
<tr>
<td>02 Non-Member $735</td>
<td>$865</td>
</tr>
<tr>
<td>03 Student $150</td>
<td>$165</td>
</tr>
<tr>
<td>04 AACC Emeritus Member $150</td>
<td>$165</td>
</tr>
</tbody>
</table>

| Sunday Daily Registration       |                                 |
| 05 Sunday $0                    | $0                               |

Daily Registration
Check days that apply:
- 06 Mon
- 07 Tues
- 08 Wed
- 09 Thu
- 10 Guest/Guest First/Given Name $150$165

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 guest/spouse may not register for sessions or receive continuing education credits.

A. AACC University (190000 series)
All courses held on Sunday, July 19. Conference registration is not required; only fees for individual courses.

- Full Day: (By June 4, 2009) $260 AACC/CSCC Member/$315 Nonmember
- (After June 4, 2009) $280 AACC/CSCC Member/$335 Nonmember

- Morning Only: (By June 4, 2009) $155 AACC/CSCC Member/$210 Nonmember
- (After June 4, 2009) $175 AACC/CSCC Member/$230 Nonmember

- Afternoon Only: (By June 4, 2009) $210 AACC/CSCC Member/$265 Nonmember
- (After June 4, 2009) $230 AACC/CSCC Member/$285 Nonmember

Total # of Sessions ___________ Total $ ___________
Registrait's Name: __________________________

B. Symposia (30000 series) No charge. Please check choices.

<table>
<thead>
<tr>
<th>Day</th>
<th>Morning</th>
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<td>Thursday</td>
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</table>

C. Interactive Workshops (20000 series)

| Full Day Interactive Workshops: (By June 4, 2009) | $260 AACC/CSCC Member/$315 Nonmember |
| Morning Interactive Workshops: (By June 4, 2009) | $155 AACC/CSCC Member/$210 Nonmember |
| Afternoon Interactive Workshops: (By June 4, 2009) | $210 AACC/CSCC Member/$265 Nonmember |

<table>
<thead>
<tr>
<th>Day</th>
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</tbody>
</table>

D. Short Courses (70000 series)

| Full Day Short Courses: (By June 4, 2009) | $260 AACC/CSCC Member/$315 Nonmember |
| Morning Short Courses: (By June 4, 2009) | $155 AACC/CSCC Member/$210 Nonmember |
| Afternoon Short Courses: (By June 4, 2009) | $210 AACC/CSCC Member/$265 Nonmember |

<table>
<thead>
<tr>
<th>Day</th>
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</table>

E. Brown Bag Sessions
$25 each AACC Member/Nonmember. Meal is not included.

<table>
<thead>
<tr>
<th>Day</th>
<th>Morning</th>
<th>Afternoon</th>
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<tbody>
<tr>
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<tr>
<td>Wednesday</td>
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</tr>
</tbody>
</table>

V. Special Events (see pages 58-65 for descriptions)

91. Opening Mixer – Sunday, July 19, 2009
(included with conference, Sunday daily and guest registrations)

<table>
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<tr>
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<tr>
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<td>$50</td>
</tr>
<tr>
<td>Sunday, July 26, 2009</td>
<td>$50</td>
</tr>
</tbody>
</table>

5571. SYCL Workshop and Mixer
Saturday, July 18, 2009 • AACC/CSCC/ASCLS Members/Nonmembers: $30

5297. 14th Annual Leadership Seminar: Reducing Laboratory Quackery and Other Forms of Unnecessary Laboratory Testing
Saturday, July 18, 2009 • AACC/CSCC/ASCLS Members/Nonmembers: $50

5298. Drug Addiction: From Basic Science to Clinical Laboratory Practice
Saturday, July 18, 2009 • AACC/CSCC/ASCLS Members: $25; Nonmembers: $50

5299. Personalized Genomics – Hype or Reality? A Debate
Saturday, July 18, 2009 • AACC/CSCC/ASCLS Members: $25; Nonmembers: $50

5300. The Electronic Health Record
Saturday, July 18, 2009 • AACC/CSCC/ASCLS Members/Nonmembers: $20

5302. Annual LVDD Dinner Meeting: Current Topics in Cardiovascular Disease
Monday, July 20, 2009 • Limited to the first 60 LVDD Members: $50

5303. International Lipoprotein Standardization Forum
Tuesday, July 21, 2009 • Limited to the first 60 LVDD Members: $50

5305. NACB Awards Luncheon and Membership Meeting
Wednesday, July 22, 2009 • NACB Fellows: $40

5306. VSF Silent Auction and Reception Fundraiser
Wednesday, July 22, 2009 • AACC Members/Nonmembers: $75

5304. 7th Annual POCC Forum: Advancing Patient Safety Through Point-of-Care Testing
Thursday, July 23, 2009 • AACC/CSCC/ASCLS Members/Nonmembers: $20

Total # of Special Events: __________  Total $ __________
VI. Payment Information

Conference Fees Section III $ __________

Guest/Spouse Fees Section III $ __________

AACC 2009 Membership (attach application; see page 74) $ __________

AACC University Section IV A $ __________

Interactive Workshops Section IV C $ __________

Short Courses Section IV D $ __________

Brown Bags Section IV E $ __________

Special Events Section V $ __________

Van Slyke Foundation Contribution (see page 75) $ __________

Total Payment Enclosed: $ __________

Please submit all 4 pages of this form to AACC.

Fax: 202-887-5093 (credit card payments only). Fax copy will be considered original. To avoid duplication, do not mail original.

Mail: 2009 Annual Meeting
     P.O. Box 759230
     Baltimore, MD 21275-9230

Internet: www.aacc.org/2009AM (credit card payments only).

Full payment must accompany all orders. Purchase orders are not accepted.

☐ Check Enclosed (Payable to AACC, in U.S. dollars, through a U.S. bank only)
  ☐ Company Check  ☐ Personal Check

☐ Wire Transfer Date Sent __________ Sending Bank __________
  Routing Information: Wachovia Bank, N.A.
  Account # 2000028809401
  Routing # 054001220, Swift Code PNBPUS33
  (Please fax or mail 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 the 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

| | | | | | | | | | | | | | | | |

Deadlines:

Early Bird registration ends June 4, 2009.
All forms received after June 26, 2009 will be processed on July 17, 2009.

Cancellation Policy

All Annual Meeting cancellations must be received in writing. Written cancellations received by Thursday, June 4, 2009 will be assessed a $50 processing fee. Written cancellations received between Friday, June 5, 2009 and Friday, June 26, 2009 will be assessed a cancellation fee equal to 35% of the total registration fees. No refunds will be granted after Friday, June 26, 2009. 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 __________
JOIN AACC TO BENEFIT NOW AND THROUGHOUT THE YEAR.

Save $235 off the nonmember registration fee when you join AACC today and register 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 discounted 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 live, monthly question and answer sessions featuring hot topics in the areas of laboratory medicine, technology, management, regulation or science as part of our Expert Access 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. Nonmembers pay more than $300 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.

Government Affairs Update — our bimonthly government affairs newsletter — provides members with the most up-to-date information and analysis on the key legislative and regulatory issues affecting clinical laboratories.

You can also purchase discounted educational texts through AACC Press and our online bookstore at www.aacc.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.

AACC members can join any of 13 divisions that provide specialized topical information and services in particular fields of interest. Members from North America can meet face-to-face at local section meetings.

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.

MEMBERSHIP CATEGORIES

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 medicine. 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 on letterhead 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/2009am. Click to join as a Full Member from your shopping cart 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 69) and return it by fax to 202-887-5093.

3. Submit a completed Membership Application (see next page) and dues payment with your Meeting Registration Form (see page 69) and return it by mail to: AACC, PO Box 759230, Baltimore, MD 21275-9230.

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.
2009 MEMBERSHIP APPLICATION 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. Join online and save when you register at www.aacc.org/2009am. Click to join as a Full Member from your shopping cart and you will instantly receive the member discount.

1. PROVIDE YOUR MEMBERSHIP INFORMATION

Name
Job Title
Company Name
Department
Company Address
City State/Province Zip/Postal Code
Country
Home Address
City State/Province Zip/Postal Code
Country
Email
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 carefully screened organizations.

2. SELECT YOUR MEMBERSHIP CATEGORY

❑ Member (461) $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 (89) $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 on letterhead from a professor.

3. JOIN AACC DIVISIONS FOR SPECIALITY 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.

❑ Animal Clinical Chemistry (129) $15
❑ Clinical and Diagnostic Immunology (133) $15
❑ Critical and Point-of-Care Testing (2051) $15
❑ History of Clinical Chemistry (132) $15
❑ Industry (134) $15
❑ Laboratory Information Systems and Medical Informatics (136) $15
❑ Lipoproteins and Vascular Diseases (135) $20
❑ Management Sciences (137) $15
❑ Molecular Pathology (138) $15
❑ Nutrition (142) $15
❑ Pediatric and Maternal–Fetal (139) $20
❑ Proteomics (3244) $15
❑ TDM/Toxicology (141) $15
Total Division Dues: $_______

4. OPTIONAL INTERNATIONAL POSTAGE

Members outside North America receive upgraded Air Lift delivery of Clinical Chemistry at no extra charge — delivery within approximately 2–4 weeks.

❑ Check here to expedite journal delivery. Members may pay an optional postal fee of $280 for air mail — delivery within approximately 5 – 10 days. (3723)

5. CHOOSE YOUR PREFERRED PAYMENT METHOD

Total Dues Enclosed: $_________________________
Include membership category, division(s) and postage
❑ My check is enclosed, payable to AACC, in U.S. dollars, drawn on a U.S. bank.
❑ 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 the current year.

6. SEND COMPLETED APPLICATION AND PAYMENT TO:

American Association for Clinical Chemistry
P.O. Box 759230, Baltimore, MD 21275-9230
Phone: 800-892-1400 (press 2) or 202-857-0717
Fax: 202-887-5093 • Email: custserv@aacc.org.

Source Code: 357446
VAN SLYKE FOUNDATION

VSF is your Foundation, supporting your field, your profession and your colleagues. Its mission is simple: support laboratorians in underserved areas and science students and young investigators.

You can be part of this philanthropic mission, too. Your gift helps students and new professionals through:

- SYCL travel grants so that deserving young scientists can attend the Annual Meeting;
- Scholarships for post-doctoral fellows
- Prizes and grants that reward creative young investigators.

You can also support those from emerging areas with memberships for laboratory directors and international travel grants to the AACC Annual Meeting.

We need your help! If clinical laboratory medicine is to continue to provide its vital support of healthcare, we must find, encourage and train the scientists of tomorrow and help colleagues in emerging areas to improve global healthcare.

Please give today — see the last line of Section VI on the registration form on page 72 to make a contribution to the Foundation.

Special Annual Meeting Event!
Join us at the Foundation’s Silent Auction & Reception Fundraiser
Wednesday, July 22, 5:30pm – 7:30pm

This fun and exciting event, where you can bid on an array of wonderful items — artwork, jewelry, electronics, and much more — and enjoy a fabulous reception, all the while contributing to the Van Slyke Foundation and its good work on behalf of young investigators and laboratorians from emerging areas worldwide.

There are lots of ways to participate! You can buy tickets to attend – just $75 each. And, you can donate an item for the auction – do you have a special talent for photography, weaving, knitting, painting, jewelry-making? Or, would you donate a purchased item? All contributions are welcome. If you would like to give an auction item, please notify our VSF Coordinator, Grace Won, at 800-892-1400 ext. 1712, or 202-835-8712.

This year’s event will be held at the elegant Crystal Room in the Union League Club at 65 W. Jackson Blvd, Chicago, IL.

Thanks to generous support from AutoGenomics and PerkinElmer, every dollar of ticket and auction sales goes to grants and awards!

Buy your tickets today on the Annual Meeting registration form; see page 71, session 5306, under Special Events. A fun way to support your field and your profession!

THANK YOU—to all our donors, who made all of our good work possible! A list of recent VSF donors may be found in Clinical Laboratory News issues at the Annual Meeting and online at www.aacc.org/about/vsf.

DONATE TODAY! It’s easy to give anytime:
- See the Registration Form (last line of Section VI, page 72)
- On the website at direct.aacc.org/vsf/Contribute.aspx
- Call Grace Won at 800-892-1400 ext 1712 or 202-835-8712
- Email Grace Won at gwon@aacc.org.
THE NATIONAL ACADEMY OF CLINICAL BIOCHEMISTRY
The Academy of AACC

The National Academy of Clinical Biochemistry is the Academy of AACC and 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/CSCC Annual Meeting:

TUESDAY, JULY 21

2:30pm – 5:00pm
Oral Presentations of Selected NACB Distinguished Abstracts
McCormick Place Convention Center
Selected distinguished abstracts will be presented during this session.

TUESDAY – THURSDAY, JULY 21–23

NACB Distinguished Abstracts
McCormick Place Convention Center
Look for the NACB blue ribbon displayed on posters selected by the Academy for their scientific excellence.

WEDNESDAY, JULY 22

7:00am – 8:30am
NACB Board Breakfast Meeting
Fairmont Hotel

WEDNESDAY, JULY 22

12:30pm – 2:15pm
NACB Awards Luncheon and Membership Meeting
Fairmont Hotel
NACB Fellows: $40.00
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:

- **David B. Sacks, MD, FACB**
  Distinguished Scientist Award
  Outstanding Research Advances in Clinical Biochemistry
  Sponsored by NACB and Siemens Healthcare Diagnostics, Inc.

- **Mary F. Burritt, PhD, FACB**
  Professor Alvin Dubin Award
  Distinguished Contributions to the Profession and the Academy
  Sponsored by Abbott Diagnostics

Christopher R. McCudden, PhD, DABCC, FACB
George Grannis Award
Excellence in Research and Scientific Publication
Sponsored by NACB and the Ohio Valley Local Section

WEDNESDAY, JULY 22

2:30pm – 5:00pm
LMPG Guidelines for Laboratory Analysis in Diabetes 34202
McCormick Place Convention Center

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.

With mentoring by Fellow Larry Bernstein, high school student John Ferrara received a 2008 NACB Distinguished Abstract award.

Fifty-seven new Fellows were installed during the NACB awards luncheon in Washington, DC.

Mary Lou Gantzer and NACB 2008 Distinguished Scientist Gerald Cooper at the Academy’s award luncheon.
THE AMERICAN BOARD OF CLINICAL CHEMISTRY, 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/CSCC Annual Meeting.

SATURDAY, JULY 18

8:30am – 5:00pm
ABCC Certification Exams
Hyatt Regency Chicago Hotel

MONDAY, JULY 20

8:00am – 12noon
ABCC Board of Directors Meeting
Hyatt Regency Chicago Hotel

MONDAY, JULY 20

5:00pm – 5:30pm
ABCC Forum: What are the Benefits of ABCC Certification?
Hyatt Regency Chicago Hotel

Open to lab professionals interested in doctoral level certification in clinical chemistry, toxicological chemistry, or molecular diagnostics.

MONDAY, JULY 20

6:00pm – 7:30pm
ABCC Reception in Honor of New Diplomates
Open to all ABCC Diplomates
Hyatt Regency Chicago Hotel

For information about certification, go to the ABCC web site at www.abclinchem.org or stop by the ABCC booth at the AACC Clinical Lab Exposition.

New Diplomates offer advice on preparing for certification at ABCC’s annual forum. L-R: ABCC President Greg Howe; new Diplomates Thierry Dervieux, Dede Haverstick, and Abdel-Baset Halim.

ABCC Diplomates gather to socialize and honor new Diplomates on Monday night at the AACC Annual Meeting.
<table>
<thead>
<tr>
<th>Hotel</th>
<th>Address</th>
<th>Rates Sgl/Db</th>
<th># of Restaurants</th>
<th>Room Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avenue Hotel Chicago (formerly Radisson)</td>
<td>160 E. Huron Street</td>
<td>$170/200</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>Blackstone, a Renaissance Hotel</td>
<td>636 S. Michigan Avenue</td>
<td>$270/270</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>Chicago Marriott Downtown</td>
<td>540 N. Michigan Avenue</td>
<td>$213/213</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>Courtyard by Marriott Chicago Downtown</td>
<td>30 E. Hubbard Street</td>
<td>$229/229</td>
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<tr>
<td>Courtyard by Marriott Magnificent Mile</td>
<td>165 E. Ontario Street</td>
<td>$229/229</td>
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<td>Doubletree Chicago Magnificent Mile (formerly City Centre)</td>
<td>300 E. Ohio Street</td>
<td>$179/199</td>
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<td>Embassy Suites Hotel Chicago Downtown</td>
<td>600 N. State Street</td>
<td>$269/309</td>
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<tr>
<td>Embassy Suites Lakefront</td>
<td>511 N Columbus Drive</td>
<td>$249/249</td>
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<tr>
<td>Fairfield Inn and Suites</td>
<td>216 E. Ontario Street</td>
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<tr>
<td>Fairmont Chicago</td>
<td>200 N. Columbus Drive</td>
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<td>Hilton Chicago</td>
<td>720 S. Michigan Avenue</td>
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<td>10 E. Grand Avenue</td>
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<tr>
<td>Hilton Suites Chicago Magnificent Mile</td>
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<td>Hotel Allegro Chicago</td>
<td>171 W. Randolph Street</td>
<td>$209/219</td>
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<tr>
<td>Hotel Sax Chicago</td>
<td>333 N. Dearborn Street</td>
<td>$240/240</td>
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<td>Hyatt Regency Chicago</td>
<td>151 E. Wacker Drive</td>
<td>$231/256</td>
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<tr>
<td>Hyatt Regency McCormick Place</td>
<td>2233 S. Martin Luther King Drive</td>
<td>$239/264</td>
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<tr>
<td>Inn of Chicago</td>
<td>162 E. Ohio Street</td>
<td>$168/188</td>
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<tr>
<td>InterContinental Chicago</td>
<td>505 N. Michigan Avenue</td>
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<tr>
<td>Omni Chicago Hotel</td>
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<td>Palmer House Hilton</td>
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<tr>
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<td>Westin Chicago River North</td>
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<tr>
<td>Westin Michigan Avenue</td>
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<td>Parking Fee</td>
<td>High Speed Internet</td>
<td>Cancellation Policy</td>
<td>Check In/Out</td>
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<td>3 PM/12 PM</td>
</tr>
<tr>
<td>Yes/Complimentary</td>
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<td>72 Hours</td>
<td>4 PM/12 PM</td>
</tr>
<tr>
<td>Yes/Complimentary</td>
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<td>72 Hours</td>
<td>4 PM/12 PM</td>
</tr>
<tr>
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</tr>
<tr>
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<td>3 PM/11 AM</td>
</tr>
<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
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</tr>
<tr>
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<tr>
<td>Yes/$20</td>
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</tr>
<tr>
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<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
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</tr>
<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
<td>Yes/$12</td>
<td>$45</td>
<td>Yes</td>
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<td>3 PM/11 AM</td>
</tr>
<tr>
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<td>Yes</td>
<td>72 Hours</td>
<td>3 PM/12 PM</td>
</tr>
<tr>
<td>Yes/$12</td>
<td>$42</td>
<td>Yes</td>
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<td>3 PM/12 PM</td>
</tr>
<tr>
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<td>3 PM/12 PM</td>
</tr>
<tr>
<td>Yes/Complimentary</td>
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<td>3 PM/12 PM</td>
</tr>
<tr>
<td>Yes/Complimentary</td>
<td>$46</td>
<td>Yes</td>
<td>72 Hours</td>
<td>3 PM/12 PM</td>
</tr>
</tbody>
</table>
**Housing Reservation Form**

**AACC/CSCC Annual Meeting**

**July 19-23, 2009 | Chicago, IL**

**Housing Deadline: June 24, 2009**

All housing requests must be received on or before **June 24, 2009**. We strongly encourage you to submit your request early. Housing requests received after June 24, 2009, will be processed on a space-available basis and may be subject to a higher rate. Please submit only one request per person.

**Please type or print. Illegible forms will be returned.**

---

**Step 1: CONTACT INFORMATION**

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>MI</th>
<th>Title</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State/Province</th>
<th>Zip/Postal Code</th>
<th>Country</th>
</tr>
</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>E-mail</th>
<th>HTML Confirmation</th>
<th>Text Confirmation</th>
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</thead>
<tbody>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Fax</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reservation confirmation will be sent to the e-mail address provided on this form within five business days. If no e-mail address is provided, confirmation will be sent by fax.

---

**Step 2: ACCOMMODATIONS**

**Arrival Date** ____________  **Departure Date** ____________

**Sharing Room With** ____________

Please note that the hotels will not guarantee bed type or special requests. Please confirm your request at check-in.

- Single
- Double (1 bed, 2 people)
- Double/Double (2 beds, 2 people)
- Smoking
- Nonsmoking
- Handicap Accessible
- King Bed
- Rollaway

---

**Step 3: HOTEL PREFERENCES**

If your preferences are sold out, AACC Housing Services will make every effort to secure a room reservation at a comparable hotel.

**Hotel Preference**

1. ____________
2. ____________
3. ____________

---

**Step 4: PAYMENT**

All hotels require a deposit of one night’s room to guarantee each room reservation. Hotels may charge credit cards prior to arrival. The credit card must have an expiration date no earlier than July 2009. Forms submitted without a valid credit card number will be returned.

- American Express
- Visa
- MasterCard
- Diners Club
- Discover

<table>
<thead>
<tr>
<th>Credit Card No.</th>
<th>Expiration Date</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Cardholder Name</th>
<th>Signature</th>
</tr>
</thead>
</table>

**Cancellation/Change Policy**

On or before Wednesday, June 24, 2009, you must submit your cancellation or change in writing to the AACC/CSCC Housing Center. After this date you must call your assigned hotel directly about a change or cancellation. If you do not cancel at least 72 hours prior to your scheduled arrival date, you will not be refunded your first night’s deposit.

Please retain the cancellation confirmation from the AACC/CSCC Housing Center or the cancellation number provided to you by the hotel. This proof of cancellation will be required to resolve any credit card disputes.
REGISTRATION HOURS

Saturday, July 18, 2009  12noon – 5:00pm
Sunday, July 19, 2009  8:00am – 6:30pm
Monday, July 20, 2009  7:00am – 5:00pm
Tuesday, July 21, 2009  7:00am – 5:00pm
Wednesday, July 22, 2009  7:00am – 5:00pm
Thursday, July 23, 2009  8:00am – 2:00pm

Registration will be located in the McCormick Place Convention Center, South Hall.

ACTIVITY LOCATIONS

McCormick Place Convention Center
Educational sessions including: Plenary Sessions; Symposia; Interactive Workshops; Short Courses; Meet the Expert; Brown Bags; Posters; Chair’s Invited Session; and Oral Abstract Presentations

Hyatt Regency Chicago Hotel
AACC Governance Meetings
Affiliated Organization Meetings
International Reception
SYCL Networking Reception

Fairmont Hotel
Opening Reception
AACC Governance Meetings
Affiliated Organization Meetings
Industry Workshops

Sheraton Chicago Hotel & Towers
CSCC Governance Meetings
Affiliated Organization Meetings

Hyatt Regency McCormick Place Hotel
Opening Reception

TRAVEL AND TRANSPORTATION

Getting to Chicago, IL
There are cabs available for transportation, but you may wish to rent a car if you plan to explore farther afield. 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 1-800-331-1600, or online using the www.aacc.org/2009am 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 9, 2009, until July 31, 2009.

Getting to sessions and the Clinical Lab Expo
AACC Shuttle Service
AACC provides complimentary shuttle service between most official AACC/CSCC and ASCLS hotels and the McCormick Place Convention Center. The shuttle service runs from 12 noon on Saturday, July 18 through afternoon on Thursday, July 23, 2009. 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 2008 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 onsite assistance to improve your conference experience.
When you arrive at the Annual Meeting and Clinical Lab Expo, be sure to visit the International Trade 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.

For CSCC Members: The CSCC Headquarter Hotel is the Sheraton Chicago Hotel and Towers. Rooms have been set aside specifically for CSCC attendees. If you would like to stay at the Sheraton Chicago Hotel and Towers, you will need to enter your CSCC promotional code when making your reservation.

**Housing Reservations Deadline: June 24, 2009**

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 pages 78-79. 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.

- All hotel reservations must be guaranteed by a major credit card. A deposit in the amount of one night’s room rate (plus tax) will be charged to your credit card by the hotel on or after May 20, 2009.

- 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 than 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:**

<table>
<thead>
<tr>
<th>Method</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>By phone</td>
<td>866-871-5083 (within the U.S.) or 703-449-6418 (international)</td>
</tr>
<tr>
<td></td>
<td>703-631-1167</td>
</tr>
<tr>
<td>By mail</td>
<td>AACC Housing Services</td>
</tr>
<tr>
<td></td>
<td>11208 Waples Mill Road, Suite 112</td>
</tr>
<tr>
<td></td>
<td>Fairfax, VA 22030 USA</td>
</tr>
<tr>
<td>By Internet</td>
<td><a href="http://www.aacc.org/2009am">www.aacc.org/2009am</a></td>
</tr>
</tbody>
</table>

When making housing reservations by mail or fax, please include the Housing Reservation Form on page 81.

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**STAYING IN CONTACT WHILE AT THE 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 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.

**Note:** AACC’s liability insurance prohibits children under 18 on the exhibit floor or in educational sessions.
TAP INTO the incredible professional network of the American Association for Clinical Chemistry with the Clinical Laboratory Marketplace. Powered by MultiView, the Clinical Laboratory Marketplace is the premier search tool for clinical laboratory professionals. Find all the products and services you need, within the network of the association you trust.

Start your search today at www.aacc.org.