JOIN THE VISIONARIES

REGISTRATION GUIDE

www.aacc.org/2016am

68TH AACC ANNUAL

SCIENTIFIC MEETING
& CLINICAL LAB EXPO

July 31 - August 4, 2016 Pennsylvania Convention Center Philadelphia, PA • USA

REGISTER BY JUNE 16 AND SAVE!
Your network of reliability

Patients lie in beds of uncertainty. That’s why laboratory professionals must maintain quality: to provide reliable test results that can help clinicians more confidently diagnose and treat. At Bio-Rad, quality is the thread that connects all of our blood banking, diagnostic testing, and quality control products. Call it your network of reliability.

Visit us at Booth# 1427 at the 2016 AACC Clinical Lab Expo
Join visionaries who are converging at the 68th AACC Annual Scientific Meeting & Clinical Lab Expo, July 31 - August 4, in Philadelphia, Pennsylvania. Connect with more than 18,000 clinical laboratory innovators, discover hundreds of new cutting-edge products, and experience education on the hottest scientific and practice areas.

ENVISION YOUR FUTURE
Immerse yourself in what’s now and what’s next with comprehensive programming that ranges from personalized medicine and infectious diseases to point-of-care and laboratory-developed tests.

DISCOVER NEW TECHNOLOGY
At the Clinical Lab Expo, more than 750 exhibitors will display the latest technologies in every clinical lab discipline. Evaluate hundreds of new products just coming to market that can enhance your lab.

CONNECT WITH COLLEAGUES
Engage and network with more than 18,000 clinical laboratory innovators from around the world. Develop relationships with industry peers and expand your professional network.

Register by June 16 and save!
Visit www.aacc.org/2016am.
IMMERSE YOURSELF IN WHAT’S NOW AND WHAT’S NEXT

CONTENTS

3 Session Descriptions
5 CE Credit Information
6 2016 Annual Meeting Organizing Committee
8 AACC Clinical Lab Expo
9 Exhibitors
13 Topic Track Sessions

SESSIONS BY DAY

16 Sunday, July 31
22 Monday, August 1
34 Tuesday, August 2
44 Wednesday, August 3
54 Thursday, August 4
57 Supporters
58 Governance and Special Events Schedule
60 AACC Sponsored Special Events
62 Registration Types & Events Charts
63 Registration Policies and Procedures
66 Hotel Information
67 Hotel Map
68 General Information

For complete course information, visit www.aacc.org/2016am.
To make it easier for you to arrange your schedule, each session has a level of content—Basic, Intermediate or Advanced:

1. **Basic**: For participants who lack previous training or experience in the subject or whose experience is minimal.
2. **Intermediate**: For those with knowledge of the basic theory of the topic, and prior training and education.
3. **Advanced**: For attendees with specialized content and working knowledge of current theory and practice who want to refine their skills or learn about new principles and techniques.

All session levels are open to all conference attendees.

**PLENARY SESSIONS**
Open to conference registrants.

Designed for all levels, the Plenary Sessions feature renowned speakers in clinical practice, research, business and policy who are visionaries on the future of healthcare.

**Plenary Session Times**

- **SUNDAY**
  - 5:00pm - 6:30pm
- **MONDAY - THURSDAY**
  - 8:45am - 10:15am

**SYMPOSIA**
Open to conference registrants.

Presented by experts actively involved in the field, the Symposia provide a broad subject overview designated for basic, intermediate or advanced participants. A short question-and-answer session is featured at the end of each lecture. Select specific Symposia Sessions based upon interests and level of experience.

**Symposia Session Times**

- **MONDAY**
  - Morning: 10:30am - Noon
  - Mid-Day: 12:30pm - 2:00pm
  - Afternoon: 2:30pm - 4:00pm
- **TUESDAY, WEDNESDAY**
  - Morning: 10:30am - Noon
  - Afternoon: 2:30pm - 5:00pm

**SHORT COURSES**
Open to conference registrants. Attendance limited to 90 participants per session.

Short Courses offer intensive treatment of a subject in a traditional lecture format, and designed for basic, intermediate or advanced levels.

**Short Course Session Times**

- **MONDAY**
  - Morning: 10:30am - Noon
  - Mid-Day: 12:30pm - 2:00pm
  - Afternoon: 2:30pm - 4:00pm
- **TUESDAY, WEDNESDAY**
  - Morning: 10:30am - Noon
  - Afternoon: 2:30pm - 5:00pm

**BROWN BAG SESSIONS**
Open to conference registrants. Attendance limited to 10 participants per session. Advance registration and fees are required to register.

These small discussion settings provide intimate exchanges between participants and experts. Expect lively discussion, dialogue and debate, as well as Q&As. Brown Bag Sessions are presented twice daily.

**Brown Bag Session Times**

- **MON/TUES/WED**
  - 7:30am - 8:30am
  - 12:30pm - 1:30pm

**Fee:** $25

**MEET THE EXPERT SESSIONS**
Open to conference registrants. Attendance limited to 50 participants per session.

**Meet the Expert Session Times**

- **MON/TUES/WED**
  - 10:30am - 11:30am
  - MONDAY
  - 3:00pm - 4:30pm

**CHAIR’S INVITED SESSION**
Open to conference registrants.

The Chair of the 2016 Annual Meeting Organizing Committee created this special session of particular importance to AACC Annual Scientific Meeting attendees. This year’s topic is mHealth.
PRESIDENT’S INVITED SESSION
Open to conference registrants.
The AACC President has created this special session of particular importance to AACC Annual Scientific Meeting attendees. This year’s topic is Leveraging the Laboratory Medicine Value Proposition: Demonstrating the Value of the Laboratory as an Integral Part of the Healthcare Team.

NEW! TOPIC TRACKS
Open to conference registrants.
Advance registration and fees are required for some sessions.
Featured Topic Tracks enable attendees to concentrate their learning in the following eight dynamic areas of laboratory medicine practice. See pages 13-15 for a complete listing of sessions and ticket/fee requirements.
• Cancer
• Endocrinology
• Genomics
• Liquid Biopsy/Circulating DNA
• Mass Spectrometry
• Point-of-Care Testing
• Prenatal
• Toxicology

POSTER SESSIONS
Open to conference registrants.
Featuring the newest and ongoing research, poster sessions are a highlight of the AACC Annual Scientific Meeting. Each year the National Academy of Clinical Biochemistry, AACC’s Academy, reviews the accepted abstracts and recognizes several posters for the quality and importance of their research. These outstanding abstracts will also be designated with special ribbons.

ORAL ABSTRACT PRESENTATIONS
Open to conference registrants.
Selected abstracts identified by the Annual Meeting Organizing Committee will be presented. Presenters will give oral presentations as well as present posters during the poster sessions.
This year, the six topics are:

TUESDAY, WEDNESDAY
9:30am - 5:00pm

MONDAY
10:30am - Noon
Hot Topics in Clinical Chemistry
12:30pm - 2:00pm
Cardiovascular Disease, Chronic Kidney Disease and Obesity: Diagnostic Paradigms
2:30pm - 4:00pm
POCT-Utilization, QA/QC and Advances in Technologies

TUESDAY
10:30am - Noon
Breakthroughs in Maternal, Fetal and Pediatric Medicine

WEDNESDAY
10:30am - Noon
What’s New in Toxicology and Therapeutic Drug Monitoring

THURSDAY
10:30am - Noon
Emerging Topics in Laboratory Medicine

Up to 7 individuals per session will be asked to give a 15 minute oral presentation with a 5 minute question-and-answer period.
POSTER TOURS BY DIVISION EXPERTS

AACC’s Divisions will lead discussions of selected posters within their areas of expertise during the Poster Sessions at this year’s Annual Scientific Meeting. The Tours, led by subject matter experts, will last about 30 minutes and will highlight posters selected by the Division as worthy of discussion. Tours are free and open to individuals who hold a full conference, daily conference or exhibitor badge for the meeting. Look for the schedule and further directions in the onsite meeting program.

The Following Divisions Are Participating:
• Clinical and Diagnostic Immunology
• Clinical Translational Sciences
• Critical and Point-of-Care Testing
• Endocrinology
• Informatics Division
• Management Sciences Patient Safety
• Mass Spectrometry and Separation Sciences
• Proteomics & Metabolomics
• TDM/TOX Division

AACC UNIVERSITY
The Conference Before the Conference! Sunday, July 31, 2016
Registration fees apply for each session. General Conference registration is waived for Sunday only.

If you don’t have the time or budget to attend the full Conference, the AACC University includes 12 sessions that you can attend without paying the full meeting registration fee. BONUS: If you take a course on Sunday, you are invited to attend the Sunday Plenary Session and the AACC Community Opening Mixer. See pages 18-21 for further details.

AACC University Times
SUNDAY 10:30am - Noon
1:30pm - 4:00pm

SIMPLIFIED FEE STRUCTURE
This year, one inclusive fee will give conference attendees greater access to education sessions. For one price, attendees have the ability to attend Plenaries, Symposia, Short Courses, Meet the Expert, Posters and Exhibits. AACC University and Brown Bag sessions require tickets and additional fees.

CONTINUING EDUCATION CREDIT INFORMATION

AACC is accredited by the Accreditation Council for Continuing Medical Education to provide Continuing Medical Education (CME) activities for physicians. AACC designates live activities for AMA PRA Category 1 Credit\textsuperscript{TM}. Physicians should only claim credit commensurate with the extent of their participation in the activity.

AACC also designates live activities for ACCENT\textsuperscript{®} credit. AACC is an approved provider of Continuing Education for clinical laboratory scientists in, but not limited to, the states of California, Florida, Louisiana, Montana, Nevada, North Dakota, Rhode Island and West Virginia.

All scientific sessions, except the Poster Sessions, are approved for both AMA PRA Category 1 Credit\textsuperscript{TM} and ACCENT\textsuperscript{®} credit unless otherwise noted in the session description. To see the number of credits available for each session, visit www.aacc.org/2016am.

The Poster Sessions are approved for ACCENT\textsuperscript{®} credit only.

Eligibility to Earn Continuing Education Credit
To be eligible to earn AMA PRA Category 1 Credit\textsuperscript{TM} or ACCENT\textsuperscript{®} credit for the scientific sessions (including Poster Sessions), you must be registered for the 68th Annual Scientific Meeting. Individuals registered as Guest/Spouse or Expo Only are not eligible to earn Continuing Education credit for these sessions.

Those planning to participate in both the AACC and the ASCLS Annual Meeting scientific sessions should note that one ACCENT\textsuperscript{®} “credit” equals one P.A.C.E.\textsuperscript{®} “contact hour.”

Detailed instructions about how to claim Continuing Education credit will be provided on-site at the 68th AACC Annual Scientific Meeting & Clinical Lab Expo.
CHAIR
Bill Clarke, PhD
John Hopkins University
School of Medicine
Baltimore, MD

VICE CHAIRS
Gwen McMillin, PhD
University of Utah,
ARUP Laboratories
Salt Lake City, UT
Andy Hoofnagle, MD, PhD
University of Washington
Seattle, WA

PLENARY/MEET THE EXPERT
YM Dennis Lo, MD
Prince of Wales Hospital
Shatin, Hong Kong

SYMPOSIA
Alan Wu, PhD
University of California
at San Francisco
San Francisco, CA
Stacy Melanson, MD, PhD
Brigham and Women’s
Boston, MA

SHORT COURSES
Qing Meng, MD, PhD
University of Texas MD
Anderson Cancer Center
Houston, TX
Julie Botelho, PhD
Centers for Disease
Control and Prevention
Atlanta, GA

ABSTRACT/ORAL PRESENTATIONS
Octavia M. Peck-Palmer, PhD
University of Pittsburg
School of Medicine
Pittsburgh, PA
Don LeGatt, PhD
University of Alberta Hospital
Edmonton, AB, Canada

BROWN BAGS
T. Scott Isbell, PhD
St. Louis University School of Medicine
St. Louis, MO

VOLUNTEER
Sean Agger, PhD
Gundersen Health System
LaCrosse, WI
Elia Mears, BS, MS
Houma, LA

For complete course information, visit www.aacc.org/2016am.
Internationally renowned, innovative laboratory solutions

**Shaping the future of clinical diagnostics**

Visit us at AACC booth 2927
JOIN THE LARGEST CLINICAL LAB EXPO IN THE WORLD

AACC is proud to host the world’s largest clinical laboratory exposition, with more than 750 exhibitors and nearly 2,200 booths where you can see, learn and discover the future of clinical labs.

Experience the latest science and technology developments in every area of the industry: clinical diagnostics, automation, information systems, point-of-care, OEM, biotech and more. The 68th AACC Annual Scientific Meeting & Clinical Lab Expo is a true value for conference attendees.

ABOUT AACC INTERNATIONAL EXHIBITORS

The number of both international attendees and international exhibitors has grown, providing you with an opportunity to see products that are available around the world. The 68th AACC Annual Scientific Meeting & Clinical Lab Expo will be the largest international marketplace for the clinical laboratory community this year.

EXPO-ONLY ADMISSIONS

The world’s largest Clinical Lab Expo provides all you need to make informed decisions about the future of your laboratory. If you can’t take advantage of the outstanding conference programs featuring world-renowned speakers and the most cutting edge topics in clinical chemistry, you can visit the exhibits only. Visit www.aacc.org/2016am for details.

Expo-only registrations received by June 16, 2016, are only $20. Expo-only registrations received after June 16 or onsite are $40 per person.

For a complete listing of where exhibitors are located, check the Exhibit Guide and the computerized Product Locator System onsite. Alternatively, go to http://events.jspargo.com/AACC16/public/enter.aspx to visit our Interactive Online Exhibit Hall Floor Plan, which you can search by company name or by more than 250 product categories.

NOTE: If accompanied by a registered adult, individuals ages 16 and 17 who have a photo ID may register for and attend the 68th AACC Annual Scientific Meeting & Clinical Lab Expo. Children under 16 are not permitted on the exhibit floor or in the educational sessions at any time.

- 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
- Mass Spectrometry
- 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
<table>
<thead>
<tr>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>Arista Biologicals Inc.</td>
</tr>
<tr>
<td>ARK Diagnostics, Inc.</td>
</tr>
<tr>
<td>ARKRAY, Inc.</td>
</tr>
<tr>
<td>Arlington Scientific Inc.</td>
</tr>
<tr>
<td>Artel</td>
</tr>
<tr>
<td>Artron BioResearch Inc.</td>
</tr>
<tr>
<td>ARUP Laboratories</td>
</tr>
<tr>
<td>Asahi Kasei Fibers Corporation</td>
</tr>
<tr>
<td>ASCO Numatics</td>
</tr>
<tr>
<td>ASP Lab Automation AG</td>
</tr>
<tr>
<td>Associates of Cape Cod, Inc.</td>
</tr>
<tr>
<td>Athens Research &amp; Technology</td>
</tr>
<tr>
<td>Atlas Genetics</td>
</tr>
<tr>
<td>Audit MicroControls, Inc.</td>
</tr>
<tr>
<td>Auer Precision Co.</td>
</tr>
<tr>
<td>Aurora Biomed</td>
</tr>
<tr>
<td>AusBio Laboratories Co., Ltd.</td>
</tr>
<tr>
<td>AutoBio Diagnostics Co., Ltd.</td>
</tr>
<tr>
<td>AutoGenomics</td>
</tr>
<tr>
<td>AVE Science &amp; Technology Co., Ltd.</td>
</tr>
<tr>
<td>Awareness Technology, Inc.</td>
</tr>
<tr>
<td>AWEStation Technology, Inc.</td>
</tr>
<tr>
<td>Axxin</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>B&amp;E Scientific Inc.</td>
</tr>
<tr>
<td>Bangs Laboratories/Polysciences</td>
</tr>
<tr>
<td>BBI Solutions</td>
</tr>
<tr>
<td>BD</td>
</tr>
<tr>
<td>Beckman Coulter Life Sciences</td>
</tr>
<tr>
<td>Beckman Coulter, Inc.</td>
</tr>
<tr>
<td>Beijing ACCB Biotech Ltd.</td>
</tr>
<tr>
<td>Beijing DDM Technology Co., Ltd.</td>
</tr>
<tr>
<td>Beijing Golden Bridge Technology</td>
</tr>
<tr>
<td>Beijing Holgen Biotech Co., Ltd.</td>
</tr>
<tr>
<td>Beijing iCell Medical Science &amp; Technology Co., Ltd.</td>
</tr>
<tr>
<td>Beijing Strong Biotechnologies, Inc.</td>
</tr>
<tr>
<td>Beijing Unidiag Technology Co., Ltd.</td>
</tr>
<tr>
<td>Beijing ZONCI Technology Development Co., Ltd.</td>
</tr>
<tr>
<td>BioAssay Works, LLC</td>
</tr>
<tr>
<td>Bio-Chem Fluidics Inc.</td>
</tr>
<tr>
<td>BIOCLIN</td>
</tr>
<tr>
<td>BioDot, Inc.</td>
</tr>
<tr>
<td>BIOERIX</td>
</tr>
<tr>
<td>BioFire Diagnostics, LLC</td>
</tr>
<tr>
<td>Biofortuna Ltd.</td>
</tr>
<tr>
<td>Biokit</td>
</tr>
<tr>
<td>Bioline USA</td>
</tr>
<tr>
<td>BIOLYPH, LLC</td>
</tr>
<tr>
<td>Biomatrica, Inc.</td>
</tr>
<tr>
<td>BioMedica Diagnostics Inc.</td>
</tr>
<tr>
<td>bioMerieux, Inc.</td>
</tr>
<tr>
<td>Bioneer Corporation</td>
</tr>
<tr>
<td>Bio-Rad Laboratories</td>
</tr>
<tr>
<td>BioreclamationVT</td>
</tr>
<tr>
<td>BIOREF GmbH</td>
</tr>
<tr>
<td>Bioresource Technology, Inc. (US)</td>
</tr>
<tr>
<td>Bioscience (Tianjin) Diagnostic Technology Co., Ltd.</td>
</tr>
<tr>
<td>Biosino Bio-Technology &amp; Science Inc.</td>
</tr>
<tr>
<td>BiosPacific</td>
</tr>
<tr>
<td>Biosurfit SA</td>
</tr>
<tr>
<td>Biosystems S.A.</td>
</tr>
<tr>
<td>Biotage</td>
</tr>
<tr>
<td>biotechrabbit GmbH</td>
</tr>
<tr>
<td>Biotron Diagnostics Inc.</td>
</tr>
<tr>
<td>BF Group</td>
</tr>
<tr>
<td>Block Scientific</td>
</tr>
<tr>
<td>Boditech Med, Inc.</td>
</tr>
<tr>
<td>Borni Group</td>
</tr>
<tr>
<td>Boule Medical AB</td>
</tr>
<tr>
<td>BoVagen Biologicals</td>
</tr>
<tr>
<td>BrandTech Scientific</td>
</tr>
<tr>
<td>Brandwidth Solutions</td>
</tr>
<tr>
<td>Broad (Shanghai) Exhibition Business Co., Ltd.</td>
</tr>
<tr>
<td>BUHLMANN Laboratories AG</td>
</tr>
<tr>
<td>Burkert Fluid Control Systems</td>
</tr>
<tr>
<td>Byline Financial Group</td>
</tr>
<tr>
<td>Byron-Diagnostics (Shanghai) Co., Ltd.</td>
</tr>
<tr>
<td>C</td>
</tr>
<tr>
<td>C &amp; A Scientific Co., Inc.</td>
</tr>
<tr>
<td>CalBioreagents</td>
</tr>
<tr>
<td>Calbiotech, Inc.</td>
</tr>
<tr>
<td>Calzyme Laboratories, Inc.</td>
</tr>
<tr>
<td>Cambridge Consultants</td>
</tr>
<tr>
<td>Canon BioMedical</td>
</tr>
<tr>
<td>CapitalBio Corporation</td>
</tr>
<tr>
<td>Capatalogics Inc.</td>
</tr>
<tr>
<td>Capricorn Products LLC</td>
</tr>
<tr>
<td>CARE diagnostica International</td>
</tr>
<tr>
<td>CarePoint Solutions, Inc.</td>
</tr>
<tr>
<td>Carolina Liquid Chemistries</td>
</tr>
<tr>
<td>Cayman Chemical Company</td>
</tr>
<tr>
<td>Cedarlane</td>
</tr>
<tr>
<td>Cellavision AB</td>
</tr>
<tr>
<td>Centers for Medicare &amp; Medicaid Services</td>
</tr>
<tr>
<td>Cepheid</td>
</tr>
<tr>
<td>Cerilliant</td>
</tr>
<tr>
<td>Cerner Corporation</td>
</tr>
<tr>
<td>CERTEST BIOTEC S.L.</td>
</tr>
<tr>
<td>Chembio Diagnostic Systems, Inc.</td>
</tr>
<tr>
<td>Chemex, SA</td>
</tr>
<tr>
<td>Chetu, Inc.</td>
</tr>
<tr>
<td>Chongqing Tianhai Medical Equipment Co.</td>
</tr>
<tr>
<td>Chroma Technology Corp.</td>
</tr>
<tr>
<td>Chromsystems GmbH</td>
</tr>
<tr>
<td>CKD USA Corp.</td>
</tr>
<tr>
<td>Cleveland Clinic Laboratories</td>
</tr>
<tr>
<td>Clinical and Laboratory Standards Inst.</td>
</tr>
<tr>
<td>Clinical Lab Products</td>
</tr>
<tr>
<td>Clinical Omics</td>
</tr>
<tr>
<td>CLINIQA Corporation</td>
</tr>
<tr>
<td>CLTech Corp.</td>
</tr>
<tr>
<td>Cognex Corporation</td>
</tr>
<tr>
<td>COLA</td>
</tr>
<tr>
<td>College of American Pathologists</td>
</tr>
<tr>
<td>CompuGroup Medical</td>
</tr>
<tr>
<td>Conductive Technology</td>
</tr>
<tr>
<td>Cone Bioproducts</td>
</tr>
<tr>
<td>Convex Data Solutions America, Inc.</td>
</tr>
<tr>
<td>Copan Diagnostics, Inc.</td>
</tr>
<tr>
<td>Core Technology Co., Ltd.</td>
</tr>
<tr>
<td>Coretests Inc.</td>
</tr>
<tr>
<td>Coris Bioconcept</td>
</tr>
<tr>
<td>Coyote Bioscience</td>
</tr>
<tr>
<td>CTK Biotech, Inc.</td>
</tr>
<tr>
<td>Curefil AG</td>
</tr>
<tr>
<td>D</td>
</tr>
<tr>
<td>DAAN Gene Co., Ltd. of Sun Yat-sen University</td>
</tr>
<tr>
<td>Data Innovations LLC</td>
</tr>
</tbody>
</table>
DCN Diagnostics, Inc.
Delta ModTech
Denka Seiken Co., Ltd.
DenLine Uniforms, Inc.
Desert Biologicals/Omega Biologicals
Dexter Magnetic Technologies
DFI Co., Ltd.
DiAgam
DiagCor Bioscience Inc.
Diagnostic Systems Laboratories
Diagnostica Stago, Inc.
Diagnostics Biochem Canada Inc.
DiagnostikNet-BB e.V.
DIALAB GmbH
Diamond Diagnostics Inc.
DIARECT AG
DiaSorin Inc.
DIAsource Immuno Assays S.A.
DiaSys Diagnostic Systems GmbH
Diatron
Diazyme Laboratories
DIBA Industries, Inc.
Dieter Precision Pumps LP
Diesel Diagnostica Senese S.p.A
Dignity Health
Dirui Industrial Co., LTD
DLD Diagnostika GmbH
Douglas Scientific
DPX Labs
DRG International, Inc.
Drucker Diagnostics
Druon
Dynamiker Biotechnology (Tianjin) Co., Ltd.
Dynex Technologies Inc.
Envigo Bioproducts, Inc.
Enzo Life Sciences
Enzyme Research Laboratories, Inc.
Eppendorf North America
Equitech-Bio, Inc.
Era Biology
ERBA Diagnostics
Eurofins Genomics
Euromimmun US
Eurospital
Eurotool, Inc.
Evergreen Scientific
Excel Scientific, Inc.
Express Diagnostics
Fabrico Medical
Fapon Biotech Inc.
Fapon Capital
Festo Corporation
Flo Corporation
Fitzgerald Industries Intl
Fluid Metering, Inc.
Focus Diagnostics, Inc.
Foligage
Focke Laboratorien GmbH
Fujirebio
GA Generic Assays GmbH
GE Healthcare
Gems Sensors & Controls
General Biologicals Corp.
GenMark Diagnostics, Inc.
Genolution
GenomeWeb LLC
GenPrime Inc.
GenWay Biotech, Inc.
Geftein Biotech, Inc.
Globe Scientific
Gold Standard Diagnostics
Golden West Biologicals, Inc.
GoldMag Nanobiotech
GREEN CROSS MEDICAL SCIENCE
Greiner Bio-One, Inc.
Grenova, LLC
Grifols
GSI Technologies
Guangzhou Improve Medical Instruments
GUANGZHOU KOFABIO TECHNOLOGY CO. LTD.
Guilin Royaledge Medical Instrument Co. LTD
GVS North America
Haemonetics Corporation
Hamlin Industries
Hangzhou Biotest Biotech Co., Ltd.
Hangzhou Clongene Biotech Co., Ltd.
Hangzhou Deangel Biological Engineering Co., Ltd.
hc1.com
Healthgen Scientific LLC
Health Gene Technologies Ltd.
Hebei Bio-High Technology Deve Co., Ltd.
Helena Laboratories Corporation
Helmer Scientific
Hemosure / WHPM
Hettich
HiberGene Diagnostics Ltd.
High Technology, Inc.
Hipro Biotechnology Co., Ltd.
Hitachi Aloka Medical
Hitachi Chemical Diagnostics
Hochuen International Corp
Hologic, Inc.
Holomic LLC
Hoover Precision Products, LLC
HORIBA Medical
HTL-Strefa Inc.
Humasis Co., Ltd.
HyTest
I. W. Tremont
I2a (Intelligence artificielle applications)
IBL-America
ICosagen AS
IDEX Health & Science
IDG Sanzay Corp
IDS Co., LTD
IFCC International Federation of Clinical Chemistry and Laboratory Medicine
InLine Microsystems
imec
Immucor, Inc.
Immundiagnostik AG
Immuno Concepts
Immunodiagnostic Systems
Immunology Consultants Laboratory, Inc.
ImmunoReagents, Inc.
iMrA America Inc.
Invent GmbH
Integra Biosciences (ViaFlo)
Intrinsic Life Sciences
Invetech
Iridian Spectral Technologies
i4ip s.a.
ITL Corporation
ITO CORPORATION
IVD Industry Connectivity Consortium
IVD Technologies
Iwaki America Inc.
J. Mitra & Co. Pvt. Ltd.
Jackson ImmunoResearch Laboratories
JADAK
Jiangsu ZECEN Biotech Co., Ltd.
JSR Life Sciences
Kamiya Biomedical Company
KANGJIAN MEDICAL
Kern-En-Tec Diagnostics
Kestrel Biosciences LLC
Kewaunee Scientific Corporation
Key Tech
Kikkoman Biochemifa Company
Kinematic Automation Inc.
KMC Systems Inc.
KON Neuberger Inc.
KogeneBiotech Co., Ltd.
For complete course information, visit www.aacc.org/2016am.
Konica Minolta, Inc.
Kova International, Inc.
KRONUS, Inc.
LabMedica International
Lab Products, Inc.
Labroots, Inc.
LACAR Max
Lampire Biological Laboratories, Inc.
Landwind Medical
LasX /MicroMed Solutions
Lathrop Engineering Inc.
LeukoDx
Leuze electronic, Inc.
LGCI Biosearch Technologies
LGP Consulting, Inc.
LifeHealth, LLC
LifeSign
Lite-On Technology Corporation
Hsinchu Science Park Branch
Liuyang Medical Instrument Factory
LPS Industries, LLC
LRE Medical, an Esterline Company
LSI International Inc.
LSI Mediience Corporation
Lumigenex
Luminex Corporation
M
M.A. INDUSTRIES INC.
Maccura Biotechnology
MagArray, Inc.
Magellan Diagnostics, Inc.
Magnolia Medical Technologies
Maine Biotechnology Services
Maine Standards Company
Marker Test Diagnostics, Inc.
Market Diagnostics International
Marvel Scientific
Master Diagnostica, S.L.
Mayo Medical Laboratories
MBL International
MediaLab, Inc.
MEDICA 2016/Messe Duesseldorf
North America
Medica Corporation
Medical Device Safety Service GmbH
Medical Electronic Systems, LLC
Medical Laboratory Evaluation
Medical Research Network Ltd.
Medix Biochemica
MedMira Inc.
MedTest
MEDTOX Diagnostics, Inc.
Meizhou Conelly Hi-Tech Co., Ltd.
Meridian Bioscience, Inc.
Meridian Life Science, Inc.
MetaSystems Group, Inc.
Michigan Diagnostics, LLC
Micobiomed Co., Ltd.
Microbix
MicroDigital Co., Ltd.
MicroDiscovery GmbH
microfluidic ChipShop GmbH
Micropoint Bioscience, Inc.
Microscan
MiniFab
Minitubes
MK Fluidic Systems
MLO-Medical Laboratory Observer
Moduline Systems, Inc.
Monobind Inc.
Moss, Inc.
MP Biomedicals
MT Promedt Consulting GmbH
N
Nanjing Perlove Medical Equipment Co. Ltd.
nanoComposix
Nano-Ditech Corporation
Nanomix, Inc.
Nanosphere, Inc.
Nantong Egens Biotechnology Co., Ltd.
Novatec Immundiagnostica GmbH
NovoDx, Inc.
NSK Americas
Nuclea Biotechnologies, LLC
Nupore Filtration Systems Pvt. Ltd.
NVIGEN, Inc.
O
Olympus
Omega Diagnostics Group PLC
Oncolab, Inc.
OPERON S.A.
OPTI Medical Systems
Opticon, Inc.
opTricon GmbH
OraSure Technologies
Orchard Software Corp.
ORGENTEC – Corgenix
Ortho Clinical Diagnostics
Owen Mumford
OYC Americas
Oyster Bay Pump Works, Inc.
P
Pacific Die Cut Industries/PDCI Medical
PAML
Parker Precision Fluidic Division
Path-Tec
PCL, Inc.
PDC Precision Die Cutting
Pel-Freez Biologicals
Percusor Life Sciences
Perfect Ease Biotech (Beijing) Co., Ltd.
Personal Genome Diagnostics
Pevco
Pharmasan Labs
Planet Innovation Pty Ltd.
Plasma Services Group
Plastic Design Corporation
PlatinumCode
Plexus
PolyAn GmbH
Polymed Therapeutics, Inc.
Polymedco, Inc.
PolyMicrospheres
Precision Biosensor Inc.
Precision Converting Solutions, LLC
Precision for Medicine
Preco, Inc.
Premold Corp
Presco Incorporated
Primer Design Ltd.
Princeton Biomeditech Corp
Product Development Technologies (PDT)
ProLiant Biologicals
Promega Corporation
PTS Diagnostics
Puritan Medical Products
PZ CORMAY S.A.
Q
Qarad
QIAGEN Lake Constance GmbH
Quansys Biosciences
Quanterra Corporation
Quantimetric Corporation
Quest Diagnostics
QuickPouch
R
Radiometer
Randox Biosciences
Randox Laboratories
RayBiotech Inc
Rayto Life & Analytical Sciences Co., Ltd.
R-Biopharm
Rees Scientific Corp
RelUA Diagnostics Systems
Repado
Resonetics, Inc.
Response Point of Care
<table>
<thead>
<tr>
<th>Company Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>retractable Technologies, Inc.</td>
</tr>
<tr>
<td>Rheomics</td>
</tr>
<tr>
<td>rheonix, Inc.</td>
</tr>
<tr>
<td>ritum Automaton llc</td>
</tr>
<tr>
<td>rnd Group, Inc. , the</td>
</tr>
<tr>
<td>roche</td>
</tr>
<tr>
<td>roche Diagnostics</td>
</tr>
<tr>
<td>rockland Immunochemicals Inc.</td>
</tr>
<tr>
<td>rotek Industries</td>
</tr>
<tr>
<td>rr Mechatronics</td>
</tr>
<tr>
<td>S</td>
</tr>
<tr>
<td>SA Scientific ltd</td>
</tr>
<tr>
<td>sansure Biotech, Inc.</td>
</tr>
<tr>
<td>sanstec, Inc.</td>
</tr>
<tr>
<td>sartorius Stedim Biotech</td>
</tr>
<tr>
<td>savoy Diagnostics</td>
</tr>
<tr>
<td>scantibodies Laboratory Inc.</td>
</tr>
<tr>
<td>SCC Soft Computer</td>
</tr>
<tr>
<td>SCienion US, Inc.</td>
</tr>
<tr>
<td>scientific Systems, Inc.</td>
</tr>
<tr>
<td>SCIex</td>
</tr>
<tr>
<td>scimedx Corporation</td>
</tr>
<tr>
<td>scripps Laboratories</td>
</tr>
<tr>
<td>sdx, llc</td>
</tr>
<tr>
<td>sebia, Inc.</td>
</tr>
<tr>
<td>seegene, Inc.</td>
</tr>
<tr>
<td>selective Diagnostics llc</td>
</tr>
<tr>
<td>Selective Micro Technologies llc</td>
</tr>
<tr>
<td>SelectScience ltd.</td>
</tr>
<tr>
<td>Seracare Life Sciences, Inc.</td>
</tr>
<tr>
<td>seramun Diagnostica GmbH</td>
</tr>
<tr>
<td>shanghai Chemtron Biotech Co., Ltd.</td>
</tr>
<tr>
<td>shanghai fossun Long March medical Science Co. ltd.</td>
</tr>
<tr>
<td>shanghai Kehua Bioengineering Co., Ltd.</td>
</tr>
<tr>
<td>shanghai Kinbio Tech. Co., Ltd.</td>
</tr>
<tr>
<td>shanghai Rongtai Biochemical engineering Co., ltd.</td>
</tr>
<tr>
<td>shanghai Upper Biotech Pharma Co., Ltd</td>
</tr>
<tr>
<td>Shen zhen Yi Rui biological Technology Company China</td>
</tr>
<tr>
<td>shenyang Academy of Instrumentation Science Co., Ltd.</td>
</tr>
<tr>
<td>Shenzhen Dymin Biotechnology Co., Ltd.</td>
</tr>
<tr>
<td>Shenzhen Genius electronics Co., Ltd.</td>
</tr>
<tr>
<td>Shenzhen Lifotronic Technology Co., Ltd.</td>
</tr>
<tr>
<td>shenzhen Mindray Bio-medical Electronics Co., Ltd.</td>
</tr>
<tr>
<td>Shenzhen Xilaiheng Medical Electronics</td>
</tr>
<tr>
<td>Shenzhen Yhlo Biotech Co., Ltd.</td>
</tr>
<tr>
<td>shimadzu Scientific Instruments, Inc.</td>
</tr>
<tr>
<td>Sias AG</td>
</tr>
<tr>
<td>Siemens Medical Solutions USA, Inc.</td>
</tr>
<tr>
<td>Sifin Diagnostics GmbH</td>
</tr>
<tr>
<td>Sigma-aldrich</td>
</tr>
<tr>
<td>Singulex</td>
</tr>
<tr>
<td>SI02 Medical Products SK telecom Co., Ltd.</td>
</tr>
<tr>
<td>SLR Research Corporation</td>
</tr>
<tr>
<td>SMC Biosolutions</td>
</tr>
<tr>
<td>SMC Corporation of America SNibe</td>
</tr>
<tr>
<td>SofTech Health</td>
</tr>
<tr>
<td>Sonics &amp; Materials, Inc</td>
</tr>
<tr>
<td>sony DADC</td>
</tr>
<tr>
<td>spartner Bioscience</td>
</tr>
<tr>
<td>spartner medical</td>
</tr>
<tr>
<td>Spectrum Diagnostics</td>
</tr>
<tr>
<td>SpeeDx Pty Ltd.</td>
</tr>
<tr>
<td>spherotech, Inc.</td>
</tr>
<tr>
<td>Spireact</td>
</tr>
<tr>
<td>Staff Icons - Clinical Scientist Recruitment Division</td>
</tr>
<tr>
<td>STRATEC Biomedical AG</td>
</tr>
<tr>
<td>Stratos Product Development Steck, Inc.</td>
</tr>
<tr>
<td>succeeder Technology</td>
</tr>
<tr>
<td>sun Diagnostics, LLC</td>
</tr>
<tr>
<td>Sunstik Medical Technology Co., Ltd.</td>
</tr>
<tr>
<td>Sunquest Information Systems, Inc.</td>
</tr>
<tr>
<td>SunModics IVD</td>
</tr>
<tr>
<td>Symbiotic Product Development</td>
</tr>
<tr>
<td>Syntron Bioresearch, Inc.</td>
</tr>
<tr>
<td>Sysmex</td>
</tr>
<tr>
<td>T</td>
</tr>
<tr>
<td>Tozhou Zenyon Medical Plastic Development Co., Ltd.</td>
</tr>
<tr>
<td>TAUNS Laboratories, Inc.</td>
</tr>
<tr>
<td>tecan</td>
</tr>
<tr>
<td>technidata America Medical Software</td>
</tr>
<tr>
<td>TeCo Diagnostics</td>
</tr>
<tr>
<td>TECm Science Corporation TELCOR</td>
</tr>
<tr>
<td>Tetracore, Inc.</td>
</tr>
<tr>
<td>The Binding Site, Inc.</td>
</tr>
<tr>
<td>The Lee Company</td>
</tr>
<tr>
<td>The Technology Partnership plc THERADIAG</td>
</tr>
<tr>
<td>Therapak Corporation</td>
</tr>
<tr>
<td>Thermo Fisher Scientific ThinoxMicrotechnology AG</td>
</tr>
<tr>
<td>TiterTek-Berthold, Inc.</td>
</tr>
<tr>
<td>Tokyo Boeki Medisys, Inc.</td>
</tr>
<tr>
<td>Tosoh Bioscience</td>
</tr>
<tr>
<td>Toyobo Co., Ltd.</td>
</tr>
<tr>
<td>translational Software Tricontinent</td>
</tr>
<tr>
<td>Trina Bioreactives AG</td>
</tr>
<tr>
<td>Trinity Biotech</td>
</tr>
<tr>
<td>TSS Technologies TubeWriter U</td>
</tr>
<tr>
<td>Uniconnect</td>
</tr>
<tr>
<td>UNICO/United Products &amp; Instruments</td>
</tr>
<tr>
<td>urIT medical electronics Co., Ltd.</td>
</tr>
<tr>
<td>US Science</td>
</tr>
<tr>
<td>Ustar Biotechnologies (Hangzhou) Ltd.</td>
</tr>
<tr>
<td>Utek Laboratories, Inc.</td>
</tr>
<tr>
<td>V</td>
</tr>
<tr>
<td>V &amp; P Scientific, Inc.</td>
</tr>
<tr>
<td>Valumax Protective Apparel Inc.</td>
</tr>
<tr>
<td>vedalab</td>
</tr>
<tr>
<td>Viewics, Inc.</td>
</tr>
<tr>
<td>Vircell S.L.</td>
</tr>
<tr>
<td>vicrostat, Inc.</td>
</tr>
<tr>
<td>Visuin</td>
</tr>
<tr>
<td>Viva Products, Inc.</td>
</tr>
<tr>
<td>Volpi USA</td>
</tr>
<tr>
<td>W</td>
</tr>
<tr>
<td>Wako Diagnostics</td>
</tr>
<tr>
<td>Waters Corporation</td>
</tr>
<tr>
<td>Web Industries, Inc.</td>
</tr>
<tr>
<td>weidmann Medical Technology AG</td>
</tr>
<tr>
<td>Westgard QC, Inc.</td>
</tr>
<tr>
<td>Wheaton</td>
</tr>
<tr>
<td>Whelmed Medical Technology Co., Ltd.</td>
</tr>
<tr>
<td>Wi Medical Devices</td>
</tr>
<tr>
<td>Wiener Laboratorys SAIC</td>
</tr>
<tr>
<td>WisePac Active Packaging Components Co., Ltd.</td>
</tr>
<tr>
<td>Wondfo USA</td>
</tr>
<tr>
<td>worldwide Glass</td>
</tr>
<tr>
<td>Worthington Biochemical Corporation</td>
</tr>
<tr>
<td>WSIL PT</td>
</tr>
<tr>
<td>Wuhan Huamei Biotech Co., Ltd.</td>
</tr>
<tr>
<td>Wuxi BioHermes Bio &amp; Medical Technology Co., Inc.</td>
</tr>
<tr>
<td>XYZ</td>
</tr>
<tr>
<td>Xemabio LLC</td>
</tr>
<tr>
<td>Xuzhou Dongjiu Electronic Technology Co., Ltd.</td>
</tr>
<tr>
<td>Yashraj Biotechnology GmbH</td>
</tr>
<tr>
<td>Yaskawa America/ Motoman Robotics Division</td>
</tr>
<tr>
<td>YD Diagnostics Corp.</td>
</tr>
<tr>
<td>yuhuan Kang-Jia Enterprise Co., Ltd.</td>
</tr>
<tr>
<td>zebra Technologies</td>
</tr>
<tr>
<td>zenith Lab (jiangsu) Co., Ltd.</td>
</tr>
<tr>
<td>zentech</td>
</tr>
<tr>
<td>Zeptometrix Corporation</td>
</tr>
<tr>
<td>Zeta Corporation</td>
</tr>
<tr>
<td>Zeus Scientific</td>
</tr>
<tr>
<td>zhejiang Gongdong Medical Technology</td>
</tr>
<tr>
<td>zhejiang Sorfa Life Science Research Co, Ltd.</td>
</tr>
<tr>
<td>zhongke Melling Cryogenics Limited, Co.</td>
</tr>
<tr>
<td>Zhuhai DL Biotech Co., Ltd.</td>
</tr>
</tbody>
</table>
**TOPIC TRACK SESSIONS**

Eight Topic Tracks highlight different dynamic areas of clinical laboratory medicine. Check out the sessions that support your area of interest, and make the most of your educational experience in Philadelphia.

### CANCER

<table>
<thead>
<tr>
<th>Session</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Immunotherapies: The Beginning of the End of Cancer?</td>
<td>32102</td>
<td>Monday</td>
</tr>
<tr>
<td>Obesity and Cancer</td>
<td>72223</td>
<td>Monday</td>
</tr>
<tr>
<td>Updates on Prostate Cancer Biomarkers</td>
<td>42102/52202</td>
<td>Monday</td>
</tr>
<tr>
<td>Liquid Biopsies: The Techniques and Applications</td>
<td>42122/52222</td>
<td>Monday</td>
</tr>
<tr>
<td><strong>Plenary Session:</strong> The Epigenetic Basis of Common Human Disease</td>
<td>13001</td>
<td>Tuesday</td>
</tr>
<tr>
<td><strong>Meet the Expert:</strong> The Epigenetic Basis of Common Human Disease</td>
<td>63101</td>
<td>Tuesday</td>
</tr>
<tr>
<td>The Emerging Role of Mass Spectrometry in the Measurement of Monoclonal Immunoglobulins</td>
<td>33104</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Adoption Trends of Liquid Biopsy Technologies</td>
<td>43106/53206</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Screening for Cancer: Recommendations and Controversies</td>
<td>43110/53210</td>
<td>Tuesday</td>
</tr>
</tbody>
</table>

### ENDOCRINOLOGY

<table>
<thead>
<tr>
<th>Session</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>What Are Disorders of Sexual Development?</td>
<td>72107</td>
<td>Monday</td>
</tr>
<tr>
<td>Measurement of Free Hormones in Blood: Technical and Clinical Challenges</td>
<td>32411</td>
<td>Monday</td>
</tr>
<tr>
<td>Obesity and Cancer</td>
<td>72223</td>
<td>Monday</td>
</tr>
<tr>
<td>The Assessment of Insulin Resistance and Selection of the Appropriate Method for the Assessment</td>
<td>42105/52205</td>
<td>Monday</td>
</tr>
<tr>
<td>Diagnosis and Monitoring of Congenital Adrenal Hyperplasia, Polycystic Ovarian Syndrome and Pubertal Abnormalities Using Mass Spectrometry</td>
<td>42111/52211</td>
<td>Monday</td>
</tr>
<tr>
<td>Measurements of Total and Free Testosterone in Clinical Laboratories</td>
<td>42123/52223</td>
<td>Monday</td>
</tr>
<tr>
<td>Parathyroid Hormone Assay Challenges and Harmonization Progress</td>
<td>43102/53202</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Thyroglobulin and Anti-Thyroglobulin Autoantibodies Assays in the Management of Thyroid Cancer Patients: Which Assay Should I Offer?</td>
<td>43108/53208</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Laboratory Tests Related to Calcium and Bone Metabolism</td>
<td>43117/53217</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Diabetic Nephropathy: Where Are We Now?</td>
<td>33211</td>
<td>Tuesday</td>
</tr>
</tbody>
</table>

Registration fees apply for each session. See page 63 for pricing.
### TOPIC TRACK SESSIONS

#### GENOMICS

<table>
<thead>
<tr>
<th>Session</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beyond Single-Gene Analysis: Paving the Way to Comprehensive Tumor Genomic Profiling</td>
<td>33219</td>
<td>Monday</td>
</tr>
<tr>
<td>Plenary Session: The Epigenetic Basis of Common Human Disease</td>
<td>13001</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Meet the Expert: The Epigenetic Basis of Common Human Disease</td>
<td>63101</td>
<td>Tuesday</td>
</tr>
</tbody>
</table>

#### LIQUID BIOPSY/CIRCULATING DNA

<table>
<thead>
<tr>
<th>Session</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prenatal Screening for Down Syndrome: From Maternal Serum Screening to Cell-Free Fetal DNA Testing</td>
<td>42117/52217</td>
<td>Monday</td>
</tr>
<tr>
<td>Liquid Biopsies: The Techniques and Applications</td>
<td>42122/52222</td>
<td>Monday</td>
</tr>
<tr>
<td>Adoption Trends of Liquid Biopsy Technologies</td>
<td>43106/53206</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Personalized, Genotype-Directed Treatment and Liquid Biopsy for Non-Small Cell Lung Cancer (NSCLC)</td>
<td>34210</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Precision Medicine Delivered by Advances in Circulating Cell-Free DNA Diagnostics</td>
<td>34212</td>
<td>Wednesday</td>
</tr>
</tbody>
</table>

#### MASS SPECTROMETRY

<table>
<thead>
<tr>
<th>Session</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building New or Adding On: Fundamentals for Overcoming Challenges in Operationalizing Clinical Mass Spectrometry</td>
<td>72106</td>
<td>Monday</td>
</tr>
<tr>
<td>Be Prepared! Sample Preparation Strategies for Multiple Matrices in the LC-MS/MS Clinical Toxicology Laboratory</td>
<td>72414</td>
<td>Monday</td>
</tr>
<tr>
<td>An Introduction to Metabolomics for Translational and Clinical Labs</td>
<td>42124/52224</td>
<td>Monday</td>
</tr>
<tr>
<td>The Emerging Role of Mass Spectrometry in the Measurement of Monoclonal Immunoglobulins</td>
<td>33104</td>
<td>Tuesday</td>
</tr>
<tr>
<td>The Next Frontier in Precision Medicine—Targeted Peptide Diagnostic Mass Spectrometry Assays</td>
<td>33212</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Smart LCMS: The Key to Worry Free Method Development and Implementation</td>
<td>43111/53211</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Plenary Session: Direct Mass Spectrometric Profiling of Biological Tissues—A New Paradigm in Histology</td>
<td>14001</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Meet the Expert: Direct Mass Spectrometric Profiling of Biological Tissues—A New Paradigm in Histology</td>
<td>64101</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Sampling, The Next Generation: Emerging Clinical Mass Spec Applications in Alternative Matrices</td>
<td>74214</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Mass Spectrometry in the Clinical Lab: Applications for Emergency Toxicology</td>
<td>44103/54203</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Evaluation of Time-of-Flight High Resolution Mass Spectrometry for Broad Spectrum Drug Screening in Urine</td>
<td>44122/54222</td>
<td>Wednesday</td>
</tr>
</tbody>
</table>
### POINT-OF-CARE TESTING

<table>
<thead>
<tr>
<th>Topic</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Impact of Preanalytical Variables on Critical Care Point-of-Care Testing</td>
<td>191004</td>
<td>Sunday</td>
</tr>
<tr>
<td>Expanding Point-of-Care Testing in Healthcare Systems for Patient Centered Care</td>
<td>192010</td>
<td>Sunday</td>
</tr>
<tr>
<td>Chair’s Invited Session: mHealth and the Continuum of Patient Care</td>
<td>32412</td>
<td>Monday</td>
</tr>
<tr>
<td>Oral Abstract Session: POCT-Utilization, QA/QC and Advances in Technologies</td>
<td>32216</td>
<td>Monday</td>
</tr>
<tr>
<td>Issues in the Practical Implementation of POCT: Overcoming Challenges</td>
<td>442120/52220</td>
<td>Monday</td>
</tr>
<tr>
<td>Evaluating the Hypoxemic Patient: Oxygen and Oxygen-Related Parameters Used in Critical Care Settings</td>
<td>74107</td>
<td>Wednesday</td>
</tr>
</tbody>
</table>

### PRENATAL

<table>
<thead>
<tr>
<th>Topic</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prenatal Screening for Down Syndrome: From Maternal Serum Screening to Cell-Free Fetal DNA Testing</td>
<td>42117/52217</td>
<td>Monday</td>
</tr>
<tr>
<td>Oral Abstract Session: Breakthroughs in Maternal, Fetal and Pediatric Medicine</td>
<td>33101</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Precision Medicine Delivered by Advances in Circulating Cell-Free DNA Diagnostics</td>
<td>34212</td>
<td>Wednesday</td>
</tr>
</tbody>
</table>

### TOXICOLOGY

<table>
<thead>
<tr>
<th>Topic</th>
<th>Session Number</th>
<th>Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Abstract Session: What’s New in Toxicology and Therapeutic Drug Monitoring</td>
<td>34101</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Oral Fluid in the Clinical Toxicology Laboratory: Ready for Prime Time?</td>
<td>74217</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Mass Spectrometry in the Clinical Lab: Applications for Emergency Toxicology</td>
<td>44103/54203</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Evaluation of Time-of-Flight High Resolution Mass Spectrometry for Broad Spectrum Drug Screening in Urine</td>
<td>44122/54222</td>
<td>Wednesday</td>
</tr>
<tr>
<td>Plenary Session: The Great Cannabis Experiment: Medical Miracle? Harmless High? Civil Consequences?</td>
<td>15001</td>
<td>Thursday</td>
</tr>
</tbody>
</table>

Registration fees apply for each session. See page 63 for pricing.
SUNDAY, JULY 31

PLENARY & EDUCATION SESSIONS

2016 AACC COMMUNITY OPENING MIXER
Sunday, July 31 • 6:45pm - 8:00pm
Philadelphia Marriott Downtown Hotel – Grand Ballroom

THE ARTERY WILL HOST THE AACC COMMUNITY OPENING MIXER. THIS EVENT IS OPEN TO EVERYONE WITH A FULL CONFERENCE REGISTRATION, A SUNDAY DAILY REGISTRATION OR GUEST REGISTRATION. LIGHT HORS D’OEUVRES, WINE AND BEER WILL BE SERVED.
SESSION OVERVIEW

Programmable Bio-Nano-Chip (p-BNC) sensor systems can digitize biological signatures for many health conditions. These systems have multiplexing and multi-class (cellular, genomic, proteomic) capabilities. This session will explore their many applications, e.g. in cancer diagnostics, cardiovascular diseases, saliva-based diagnostics, infectious diseases, drugs of abuse detection and cell imaging. Dr. McDevitt has pioneered this technology for digitizing biological signatures for a broad range of key health conditions, with numerous applications. His recent research has been sponsored by major programs funded by the National Institute of Dental and Craniofacial Research (NIDCR) division of the National Institutes of Health (NIH), the Bill and Melinda Gates Foundation, the National Aeronautics and Space Administration (NASA) and the United Kingdom’s Home Office Scientific Development Branch. His work was recognized with the “Best of What’s New Award” in the Medical Device Category for 2008 by Popular Science. Dr. McDevitt’s individual honors include the Presidential Young Investigator Award, the 2010 California Polytechnic Distinguished Alumni Award and the Exxon Education Award.

WALLACE H. COULTER LECTURESHIP AWARD

The Wallace H. Coulter Lectureship Award recognizes an outstanding individual who has demonstrated a lifetime commitment and made important contributions to laboratory medicine, patient care, and who’s significantly advanced education, practice or research.

This award honors Wallace H. Coulter, founder of Coulter Corporation and inventor of the Coulter Principle, a simple but elegant innovation that revolutionized hematology and the practice of laboratory medicine, pioneered the field of flow cytometry and defined particle characterization. AACC’s most prestigious award—presented annually at the AACC Annual Scientific Meeting & Clinical Lab Expo—commemorates Wallace Coulter’s 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.
### Sunday | 10:30am - Noon

<table>
<thead>
<tr>
<th>SESSION OVERVIEW</th>
<th>Event</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bleeding and Clotting: An Introduction to Coagulation</strong></td>
<td>Getting the Most Out of Verification Studies for FDA Approved Methods</td>
<td>Intermediate</td>
</tr>
<tr>
<td><strong>Hot Topics in Laboratory Regulations</strong></td>
<td>The Impact of Preanalytical Variables on Critical Care Point-of-Care Testing</td>
<td>Intermediate</td>
</tr>
</tbody>
</table>

#### Bleeding and Clotting: An Introduction to Coagulation

191001  
Level: Basic

**SESSION OVERVIEW**

This course will provide a basic review of the physiology of hemostasis, including platelet function, the coagulation cascade, and thrombolysis. Common routine laboratory tests, such as PT, aPTT, Activated Clotting Time, and D-dimer will be described, and strategies for diagnosis of common bleeding and thrombotic disorders will be outlined.

#### Hot Topics in Laboratory Regulations

191002  
Level: Intermediate

**SESSION OVERVIEW**

A number of recent regulatory changes impact clinical laboratory operations, including IQCPs, Laboratory Developed Tests, and the Use of Glucose Meters on Critically Ill Patients. In this session, the government and laboratory perspectives will be presented and the audience encouraged to pose questions for open debate.

#### Getting the Most Out of Verification Studies for FDA Approved Methods

191003  
Level: Intermediate

**SESSION OVERVIEW**

This session will discuss how to achieve the most from required verification studies of commercial methods. The primary studies will be reviewed focusing on the relevant CLSI protocols and the application of clinically based quality goals. Finally, common challenges will be discussed focusing on ways to avoid them and practical solutions.

#### The Impact of Preanalytical Variables on Critical Care Point-of-Care Testing

191004  
Level: Intermediate

**SESSION OVERVIEW**

The primary purpose of point-of-care testing (POCT) is to generate results quickly for immediate intervention, vital in critical care. As in central laboratories, preanalytical variability poses a challenge. This session presents common variables, impact on critical care testing (blood gases, co-oximetry, potassium, ionized calcium) and methods for reducing the potential for errors due to preanalytical issues.
Sunday | 10:30am - Noon

**Laboratory Director Boot Camp—What, When, Why, and How to Validate New Tests and Meet Regulatory Requirements**

191005
Level: Basic

Developed in cooperation with College of American Pathologists.

**SESSION OVERVIEW**

Laboratory Director Boot Camp will provide attendees with the knowledge and skills to deploy new clinical laboratory tests in clinical chemistry, coagulation, and molecular diagnostics in their laboratories. The faculty will provide a general overview of the CLIA and CAP regulatory requirements for the implementation of new tests, including conducting test validation, defining the analytical measurement range (as appropriate for quantitative assays), establishing reference ranges, and meeting the requirements for ongoing monitoring of test performance including participation in proficiency testing. Faculty will offer examples from the areas of clinical chemistry, molecular diagnostics, and coagulation, and relate the general principles to specific tests in these areas.

---

**Laboratory Management Overview: The Challenging Landscape and the Keys Like IQCP, Harmonization and Lean Six Sigma Strategies**

191006
Level: Basic

**SESSION OVERVIEW**

This session discusses the global challenges in the laboratory and provides solution by Individualized Quality Control Plan (IQCP), IFCC’s global harmonization of patient’s results and Lean–Six Sigma. The session will examine recent developments in two regulatory areas in U.S.: IQCP and the FDA’s oversight of Laboratory Developed Tests (LDTs).

Registration fees apply for each session. See page 63 for pricing.
Developed in cooperation with College of American Pathologists.

**SESSION OVERVIEW**

What is your proficiency testing (PT) telling you? In this course, faculty will describe ways to avoid critical PT failures (cease testing), optimal methods for performing Alternative Assessment of Performance (AAP) when commercial PT is not available, and strategies to get the most out of internal self-inspections.

---

**Documenting Analytical Performance of Lab Developed Tests**

192008  
Level: Intermediate

**SESSION OVERVIEW**

This session will discuss validating and documenting the analytical performance of laboratory developed tests and other highly complex methods. It will focus on the use of relevant CLSI guidelines as well as the development of clinically-based quality requirements. The course will also provide specific recommendations for avoiding common issues in study design and data analysis.

---

**Troubleshooting Clinical Laboratory Errors: Collaborative Case Studies**

192009  
Level: Intermediate

**SESSION OVERVIEW**

Preanalytical and analytical errors may affect specimen quality and test results. Why do these errors happen? This collaborative workshop presents actual case studies to identify the causes of common errors to begin to develop strategies to eliminate or minimize them.

---

**Expanding Point-of-Care Testing in Healthcare Systems for Patient Centered Care**

192010  
Level: Basic

**SESSION OVERVIEW**

Point-of-care (POC) testing is evolving. Key considerations for new POC test requests and essential managerial tools for high-quality assurance and regulatory compliance will be discussed in an interactive format using an audience response-system and group discussions of practical POC testing scenarios.
Sunday | 1:30am - 4:00pm

**Troubleshooting for Clinical LC-MSMS Laboratories**

192011
Level: Intermediate

**SESSION OVERVIEW**

This session will present the theory and practical advice for identifying and preventing the root causes of common problems with clinical LC-MS/MS assays and instruments. Approximately 80% of the course will occur with attendees in small discussion groups for problem solving and troubleshooting of LC-MS/MS cases drawn from the practice of the faculty members. Cases that might present a risk to patient safety will be included.

---

**The ABC’s of Installing an Automation Line**

192012
Level: Intermediate

**SESSION OVERVIEW**

This session will provide laboratory directors and managers an outline of the steps required to update or install chemistry automation, based on the speakers’ own experiences. The session will discuss selection of an automation line, development of an implementation schedule, and approaches to successful project completion while avoiding or overcoming common hurdles.

---

FOR COMPLETE COURSE INFORMATION, VISIT WWW.AACC.ORG/2016AM
MONDAY, AUGUST 1

PLENARY & EDUCATION SESSIONS

AACC MEMBERSHIP

AACC MEMBERS CAN SAVE UP TO $270 ON AACC ANNUAL SCIENTIFIC MEETING REGISTRATION. BECOME A MEMBER TODAY. SEE PAGE 63 FOR MORE DETAILS.
SESSION OVERVIEW

The speaker, Sir Richard Peto, believes that while death in old age is inevitable, death before old age is not. He will give an overview of the important causes of death in different parts of the world, and explain his vision that with global efforts, halving premature death should be an achievable goal. Sir Richard is an epidemiologist of world stature who has made important contributions to meta-analysis and who has led a number of practice-changing large-scale randomized clinical trials. He is one of the pioneers of meta-analysis, a mathematical method in which the outcomes of multiple studies are combined to produce a single result in an objective and logical way.
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.

<table>
<thead>
<tr>
<th>TITLE</th>
<th>SESSION NUMBER AM PM</th>
<th>LEVEL</th>
<th>SPEAKERS</th>
</tr>
</thead>
</table>
| Beyond PSA: Novel Biomarkers for Detection of Prostate Cancer | 42101 52201 | Intermediate | Bernard Cook, PhD, DABCC, FACB  
Henry Ford Hospital, Detroit, MI |
| Updates on Prostate Cancer Biomarkers | 42102 52202 | Intermediate | Liyun Cao, MD  
Anderson Cancer Center, Houston, TX |
| Laboratory-Initiated Follow up of Abnormal and Unexpected Results | 42103 52203 | Intermediate | Ibrahim Hashim, PhD, DABCC, FACB  
U of Texas Southwestern Medical Center, Dallas, TX |
Cliniques Universitaires Saint Luc, Bruxelles, Belgium |
| The Assessment of Insulin Resistance and Selection of the Appropriate Method for the Assessment | 42105 52205 | Intermediate | Anwar Borai  
King Khalid National Guard Hospital, Jeddah, Saudi Arabia |
| The CDC Hormone Standardization (HoSt) Program—Improving Clinical Measurements of Testosterone and Estradiol | 42106 52206 | Intermediate | Ashley Ribera  
Centers for Disease Control and Prevention, Atlanta, GA |
| Developing Electronic Alerts for Acute Kidney Injury in Hospitalized Patients | 42107 52207 | Basic | Paul Yip, PhD, FCACB, DABCC  
University Health Network, Toronto, ON, Canada |
| Utilizing Dashboard Capabilities in the Clinical Chemistry Core Lab and Outreach Settings | 42108 52208 | Basic | Steven Wong, PhD, DABCC (TC), FACB  
Wake Forest University School of Medicine, Winston-Salem, NC |
| Discrepancies in HIV Screening and Confirmation Results | 42109 52209 | Intermediate | Anthony Okorodudu, PhD, MBA, DABCC  
University of Texas Medical Branch, Galveston, TX |
| Ethanol Metabolites Testing in Non-Traditional Matrix Types: Case Studies | 42110 52210 | Intermediate | Irene Shu, PhD, DABCC  
United States Drug Testing Laboratories, Inc., Des Plaines, IL |
| Diagnosis and Monitoring of Congenital Adrenal Hyperplasia, Polycystic Ovarian Syndrome and Pubertal Abnormalities Using Mass Spectrometry | 42111 52211 | Basic | Lorin Bachmann, PhD, DABCC  
Virginia Commonwealth University, Richmond, VA |
| Sigma Value—A Performance Indicator and Quality Improvement Tool | 42112 52212 | Intermediate | Vanessa Lo, Apleichau, BSc, MSc, MBA, MISM, MPA  
Hong Kong Sanatorium and Hospital, Happy Valley, Hong Kong, China |
| Body Fluid Validation in the Clinical Lab | 42113 52213 | Basic | Steven Cotten, PhD, DABCC  
Ohio State University, Wexner Medical Center, Columbus, OH |
<table>
<thead>
<tr>
<th>TITLE</th>
<th>SESSION NUMBER AM</th>
<th>PM</th>
<th>LEVEL</th>
<th>SPEAKERS</th>
</tr>
</thead>
</table>
| Lipoprotein-Associated Phospholipase A2: Concentration or Activity—Which to Measure? | 42114              |    | Intermediate   | Leslie Donato, PhD  
Mayo Clinic, Rochester, MN                                                                 |
| Of Mice and Men: Species Differences Relevant to Specimen Collection and Clinical Laboratory Parameters for the Laboratory Investigator  
Developed in cooperation with Animal Clinical Chemistry Division. | 42115              |    | Basic          | Susan Emeigh Hart, VMD, PhD, DACVR, DABT  
Boehringer Ingelheim Pharmaceuticals, Inc, Ridgefield, CT                                  |
| CLIA Requirements for Validation of Laboratory Developed Tests       | 42116              |    | Basic          | Vincent Ricchiuti, PhD  
Laboratory Corporation of America, Dublin, OH                                                  |
| Prenatal Screening for Down Syndrome: From Maternal Serum Screening to Cell-Free Fetal DNA Testing | 42117              |    | Basic          | Waddah Katrangi  
Mayo Clinic, Rochester, MN                                                                   |
| Tactics for Reducing Laboratory Turnaround Times: Instrumentation, Processes, and Technology | 42118              |    | Basic          | Patrick Kyle, BS, PhD, NRCC, DABCC, FACB  
University of Mississippi Medical Center, Jackson, MS                                             |
| Issues in the Practical Implementation of POCT: Overcoming Challenges | 42120              |    | Basic          | Joseph Wiencek, PhD  
Vanderbilt University Medical Center, Nashville, TN                                             |
| The Autoimmune Response: Effective Diagnosis of Systemic Autoimmune Disorders Using Laboratory Data | 42121              |    | Basic          | Zahra Yi  
Dartmouth-Hitchcock Medical Center, Lebanon, NH                                                 |
| Liquid Biopsies: The Techniques and Applications                     | 42122              |    | Intermediate   | John Mills, PhD  
Mayo Clinic, Rochester, MN                                                                   |
| Measurements of Total and Free Testosterone in Clinical Laboratories  | 42123              |    | Intermediate   | Jing Cao, PhD  
University of Minnesota, Minneapolis, MN                                                       |
| An Introduction to Metabolomics for Translational and Clinical Labs  | 42124              |    | Basic          | Lacy Moss, BS, PhD, MLS (ASCP)  
Wake Forest Baptist Medical Center, Winston-Salem, NC                                             |
| Serum vs. Plasma: Which Specimen Should You Use?                     | 42125              |    | Basic          | Jeffrey Chance, PhD  
BD Life Sciences - Preanalytical Systems, Franklin Lakes, NJ                                   |
| Selecting the Appropriate Samples and Diagnostic Tests for Porphyria | 42126              |    | Basic          | Rejwi Dahal  
University of Texas Medical Branch, Galveston, TX                                               |
| Point-of-Care Testing and Population Health Management              | 42127              |    | Intermediate   | Kathleen David, BA Biology, MT (ASCP)  
Tricore Reference Laboratory, Albuquerque, NM                                                   |
| Who Can Help with this Point-of-Care Project? Thinking Outside the Box | 42128              |    | Basic          | Karen Jenkins  
Emory University Hospital Midtown, Atlanta, GA                                                   |
| Nonfasting Lipid Profiles                                           | 42129              |    | Basic          | Khushbu Patel  
Washington University, St. Louis, MO                                                            |
SESSION OVERVIEW

This session provides an excellent opportunity for a limited number of attendees to meet with Sir Richard Peto to discuss the major causes of death around the world. Sir Richard will explain how, with global efforts, halving premature death should be an achievable goal. Sir Richard is an epidemiologist of world stature who has made important contributions to meta-analysis and who has led a number of practice-changing large-scale randomized clinical trials.

SPEAKER

Sir Richard Peto, MSc, FRS
University of Oxford, Oxford, United Kingdom

SESSION OVERVIEW

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. McDevitt about his work on the development and application of the Programmable Bio-Nano-Chip. Dr. McDevitt has pioneered this technology for digitizing biological signatures for a broad range of key health conditions, with numerous applications. His recent research has been sponsored by major programs funded by the National Institute of Dental and Craniofacial Research (NIDCR) division of the National Institutes of Health (NIH), the Bill and Melinda Gates Foundation, the National Aeronautics and Space Administration (NASA) and the United Kingdom’s Home Office Scientific Development Branch. His work was recognized with the “Best of What’s New Award” in the Medical Device Category for 2008 by Popular Science. Dr. McDevitt’s individual honors include the Presidential Young Investigator Award.

SPEAKER

John McDevitt, PhD
College of Dentistry of New York University, New York, NY

EMERGING COUNTRIES WORKSHOP

### RESUMEN DE LA SESIÓN

Independientemente del ente regulador para los laboratorios clínicos, se deben seguir buenas prácticas de laboratorio (BPL). Y además, los laboratorios clínicos deben verificar las especificaciones de los fabricantes de los reactivos antes de usarlos para el diagnóstico clínico, ya que de esa manera proveen un mejor servicio al paciente. En este taller le describiremos paso a paso cómo verificar las especificaciones del fabricante usando rangos de aceptabilidad definidos por el error analítico total. Nos enfocaremos en verificar la veracidad, precisión, linealidad y rango de referencia del ensayo que ha sido aprobado para el uso en el diagnóstico clínico. Usaremos ejemplos y ejercicios para que la audiencia participe activamente.

### INSCRIPCIÓN

La inscripción es de $35 dólares antes de 16 Junio 2016 y $50 dólares después de este fecha. El espacio es limitado a los primeros 100 inscritos. El registro incluye el taller y almuerzo.

¡Inscribase Ahora! www.aacc.org/ecpworkshop.

This workshop will be presented in Spanish.
ORAL ABSTRACT SESSION
Hot Topics in Clinical Chemistry
32101
Level: Intermediate

New Immunotherapies: The Beginning of the End of Cancer?
32102
Level: Intermediate

Cardiac Troponin: Rule Out and Rule In Strategies and Use in Chronic Disease—Issues We Need to Be Sensitive to
32103
Level: Advanced

Using Flow Cytometry to Identify Cellular Biomarkers for Cancer Immunotherapy
32104
Level: Basic

Hepatitis C Virus (HCV)—Research in Treatment and Prevention
32105
Level: Basic

SESSION OVERVIEW
AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed the abstracts submitted for the AACC Annual Scientific Meeting. The Annual Meeting Organizing Committee (AMOC) has reviewed the abstracts and selected several regarded as hot topics in clinical chemistry. The authors have been invited to present their findings as oral presentations. Each 15 minute presentation will be followed by a 5 minute question-and-answer session.

Developed in cooperation with American Society of Clinical Oncology (ASCO), Clinical Society Collaborations Committee.

SESSION OVERVIEW
Cancer therapy is often ineffective. Recently, new targets for cancer therapy have been identified by mobilization of various players of the immune response, including PD1, PDL1 and CTLA-4. Such targeting produces robust antitumor responses.

Developed in cooperation with Clinical Society Collaborations Committee.

SESSION OVERVIEW
The session will address the role of cardiac troponin (cTn), with emphasis on high-sensitivity assays, to rule in/out myocardial injury and infarction in patients presenting with acute and chronic disease. Evidence based strategies and appropriate test utilization will be addressed.

Developed in cooperation with Clinical Society Collaborations Committee.

SESSION OVERVIEW
This session will introduce current flow cytometric methods and describe how they can be applied to the discovery of novel biomarkers for cancer immunotherapy and other immune-related diseases. The challenges associated with developing flow cytometry-based biomarkers in these settings will be described, along with the potential and power of such efforts.

This session will provide an overview of issues related to the hepatitis C virus (HCV), including challenges in treatment, global health implications, and opportunities for research. Additional focus will be given in particular to research in HCV vaccines, and how that may impact the spread of HCV as well as current treatment paradigms. Attendees will hear about recent scientific advances for detection and treatment of HCV. This is Part 1 of a three-part scientific track invited by the Annual Meeting Organizing Committee.
Monday | 10:30am - Noon

**Building New or Adding On: Fundamentals for Overcoming Challenges in Operationalizing Clinical Mass Spectrometry**
72106  
Level: Basic

**SESSION OVERVIEW**
Developed in cooperation with Mass Spectrometry and Separation Sciences Division, Proteomics & Metabolomics Division, and Clinical Translational Science Division.

This session aims to assist clinical laboratorians interested in implementing mass spectrometry for the first time and those wanting to expand their existing mass spectrometry operations. It will cover essential considerations and effective approaches needed to overcome common hurdles experienced when contemplating or utilizing mass spectrometry.

**What are Disorders of Sexual Development?**
72107  
Level: Advanced

**SESSION OVERVIEW**
This session will describe the classification, biology, and diagnosis of disorders of sexual development (DSD). This short course will provide the laboratorian with the essential knowledge required to assist clinicians in the evaluation of such complex cases.

**Biomarkers of the Brain: Past Failures and Future Promise**
72108  
Level: Intermediate

**SESSION OVERVIEW**
This session will begin with a focus on the methods currently available for the diagnosis and management of several neurological diseases. A review of the underlying pathophysiology will provide a background for an in-depth discussion of the current state of biomarkers and future needs for translating research findings into clinical practice.
Monday | 12:30pm - 2:00pm

**Debate: Is Hepatitis C of Continuing Concern, or is it Going Away?**
32409
Level: Intermediate

**SESSION OVERVIEW**
This session will provide a discussion of the impact of current treatment modalities on the efforts to eradicate HCV. This issue of whether these strategies will be effective, and whether HCV will continue to be a global health problem will be debated by the speakers in this session. After presenting each side of the issue, there will be a question-and-answer session including the audience and open discussion based upon the points presented by each of the speakers. This is Part 2 of a three-part scientific track invited by the Annual Meeting Organizing Committee.

**ORAL ABSTRACT SESSION**
Cardiovascular Disease, Chronic Kidney Disease and Obesity: Diagnostic Paradigms
32410
Level: Intermediate

**SESSION OVERVIEW**
AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed and ranked the abstracts submitted for the AACC Annual Scientific Meeting for acceptance. The Annual Meeting Organizing Committee (AMOC) has reviewed the accepted abstracts in the area of Cardiovascular Disease, Chronic Kidney Disease and Obesity: Diagnostic Paradigms and have chosen four authors to present their research as oral presentations in a symposia. Each 15 minute presentation will be followed by a 5 minute question-and-answer session.

**Measurement of Free Hormones in Blood: Technical and Clinical Challenges**
32411
Level: Intermediate

**SESSION OVERVIEW**
Measurement and interpretation of free hormones in blood are among the most challenging problems in clinical endocrinology and clinical chemistry. The reliability of the measurement of serum free thyroid hormone has been called into question in several common clinical conditions including pregnancy and monitoring patients on thyroid hormone replacement. Interpretation of free plasma steroid measurements such as cortisol is also very challenging, and the use of salivary steroid measurements as a surrogate has been proposed. This symposia will discuss the general problem, and then focus on free thyroid hormone and free cortisol measurements.

**CHAIR’S INVITED SESSION**
**mHealth and the Continuum of Patient Care**
32412
Level: Intermediate

**SESSION OVERVIEW**
This session will provide a discussion of mHealth and associated technologies in the delivery of medical care outside of the hospital setting. Attendees will hear about how different tools for implementation of mHealth concepts and their potential impact on patient care and outcomes.

**Technologies That Could Change the Future of the Clinical Laboratory: Part 1**
32421
Level: Basic

**SESSION OVERVIEW**
This two-part session focuses on technologies that are likely to positively disrupt the way diagnostic tests in the clinical laboratory are performed and transported. The topics will include emerging RT-PCR technology that will allow analyses in less than one minute to enable point-of-care nucleic acid testing; microfluidic sample processing integrated to high pressure mass spectrometry for chip-based analyses; alternative sampling techniques for analysis of blood that will challenge the existing phlebotomy paradigm; and drone transportation of laboratory samples to allow access to clinical laboratory testing in remote areas.
Monday | 12:30pm - 2:00pm

When Gender Doesn’t Equal Sex: Providing Effective Healthcare and Laboratory Testing to the Transgender Community

72413
Level: Basic

Developed in cooperation with Endocrinology Division, Personalized Medicine Division.

SESSION OVERVIEW
System barriers, lack of education, and social prejudices can influence the medical services received by transgender patients, often leading to the oppression of this population when they seek medical care. By integrating experiences of two individuals (a transgender patient and a physician) this session explores the laboratory’s role in providing transgender patients basic medical care.

Be Prepared! Sample Preparation Strategies for Multiple Matrices in the LC-MS/MS Clinical Toxicology Laboratory

72414
Level: Intermediate

SESSION OVERVIEW
This session will describe the differences in composition among urine, blood, oral fluid, meconium, and umbilical cord tissue and the relevance of each specimen to drug testing. The differences in concentrations and distribution of drugs and metabolites and matrix challenges will be discussed. Methods for individual drug analytes will be presented for each specimen to demonstrate strategies and solutions for successful LC-MS/MS analyses.

NACB LMPG on Laboratory Testing to Support Pain Management

72415
Level: Intermediate

Developed in cooperation with NACB.

SESSION OVERVIEW
Pain is one of the most common reasons people seek care and an estimated 50 million Americans live with chronic pain. Physicians use various laboratory tests to provide objective measures to effectively manage pain patients, assess compliance, and detect diversion. This session will discuss the scientific evidence supporting the use of these assays and present the first draft of the NACB LMPG recommendations for the use of laboratory testing in the management of pain patients. Members of the LMPG committee will present the recommendations with the intent of capturing all public comments.
Monday | **2:30pm - 4:00pm**

**ORAL ABSTRACT SESSION**

**POCT- Utilization, QA/QC and Advances in Technologies**

32216  
Level: Intermediate

**SESSION OVERVIEW**

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed the abstracts submitted for the AACC Annual Scientific Meeting. The Annual Meeting Organizing Committee (AMOC) has reviewed the abstracts in the area of POCT (Point-of-Care Testing) and have chosen several of the authors to present their findings as oral presentations. Each 15 minute presentation will be followed by a 5 minute question-and-answer session.

**PRESIDENT’S INVITED SESSION**

**Leveraging the Laboratory Medicine Value Proposition: Demonstrating the Value of the Laboratory as an Integral Part of the Healthcare Team**

32217  
Level: Basic

**SESSION OVERVIEW**

Laboratory medicine’s value is directly related to its impact on clinical resource and financial decision making. This session aims to provide attendees with an enhanced understanding of how laboratory output can be leveraged to optimize patient outcomes, address health delivery challenges, enhance resource utilization and improve institutional processes.

**HCV and Laboratory Medicine: Testing in Support of Screening and Diagnosis**

32218  
Level: Intermediate

**SESSION OVERVIEW**

This session will provide a discussion of the various tools available for in vitro diagnostic HICV testing for use in patient care. The speakers will address testing for both screening and confirmation of diagnosis, as well as testing in support of therapeutic interventions. Attendees will hear about pertinent issues for laboratory medicine in the context of HCV infected patients. This is Part 3 of a three-part scientific track invited by the Annual Meeting Organizing Committee.

**Beyond Single-Gene Analysis: Paving the Way to Comprehensive Tumor Genomic Profiling**

32219  
Level: Intermediate

**SESSION OVERVIEW**

Developed in cooperation with College of American Pathologists, Molecular Pathology Division.

The design and implementation of multistaged molecular testing in clinical practice is an area of great interest, with consideration of both sequential single-gene testing algorithms and parallel multiplexed assays. This course is ideal for practitioners within the field of cancer pathology, with an emphasis on molecular diagnostics. Presenters will share their experiences with targeted genotyping assays in lung cancer, colon cancer, thyroid cancer, and melanoma, as well as with the PROFILE™ initiative, an effort to provide multiplexed genetic analysis of all cancer samples. Additionally, faculty will offer insight into the keys to success and potential pitfalls to avoid in establishing a broad tumor-genotyping platform in an academic center.
Technologies That Could Change the Future of the Clinical Laboratory: Part 2
32220
Level: Intermediate

SESSION OVERVIEW
This two-part session focuses on technologies that are likely to positively disrupt the way diagnostic tests in the clinical laboratory are performed and transported. The topics will include emerging RT-PCR technology that will allow analyses in less than one minute to enable point-of-care nucleic acid testing; microfluidic sample processing integrated to high pressure mass spectrometry for chip-based analyses; alternative sampling techniques for analysis of blood that will challenge the existing phlebotomy paradigm; and drone transportation of laboratory samples to allow access to clinical laboratory testing in remote areas.

Analytical Challenges and Clinical Controversies in Body Fluid Testing
72221
Level: Basic

SESSION OVERVIEW
Developed in cooperation with National Academy of Clinical Biochemistry.
This session will focus on the challenges of validating chemistry analytes in body fluids other than blood or urine. The session will also discuss the strategies for rational utilization, standardized reporting and clinical interpretation of body fluid tests by using various clinical case studies.

When Toxicology Results and Clinical Presentation Do Not Correlate: How to Communicate With Clinicians and Guide Further Testing Decisions
72222
Level: Basic

SESSION OVERVIEW
Clinicians often question negative toxicology results when patients clinically appear to have overdosed on a drug or had a toxic response to a pharmaceutical agent. Certain benzodiazepines, date rape drugs, gamma hydroxy butyric acid, and ketamine, as well as novel psychoactive substances, including bath salts and synthetic cannabinoids, may not be detected by routine toxicology analysis in a clinical laboratory. Academic medical centers and regional medical centers may have the capability to do further testing but smaller hospital laboratory may not have instrumentation for further analysis. This short course will emphasize how to effectively communicate with clinicians regarding which drug(s) may be present so that the specimen can be tested further or sent to an outside laboratory, if needed. Moreover, an algorithm of further testing based on clinical symptoms will be presented.
AFTERNOON SESSIONS

MONDAY
August 1

AFTERNOON MEET THE EXPERT

Monday | 3:00pm - 4:30pm

Clinical Chemistry’s Inspiring Minds… Live!

62203
Level: Basic

Developed in cooperation with Clinical Chemistry, SYCL.

SESSION OVERVIEW

In this session, Clinical Chemistry’s popular “Inspiring Minds” series will come to life. A panel discussion featuring three of the journal’s “Inspiring Minds” and moderated by the series’ interviewer and author, will focus on further elucidating each panelist’s internal motivations and personal stories that helped to shape their successful scientific careers.

SPEAKERS

Steven Soldin, PhD, ABCC
National Institutes of Health, Bethesda, MD

Fred Apple, PhD, DABCC
Hennepin County Medical Center, Minneapolis, MN

Carl Wittwer, MD, PhD
University of Utah, Salt Lake City, UT

AFTERNOON SHORT COURSES

Monday | 2:30pm - 4:00pm

Obesity and Cancer

72223
Level: Advanced

SESSION OVERVIEW

About 30-35% adults in the US are obese. Obesity carries a significant risk for cancer development and progression. Recent studies suggest that dysregulated hormones from adipose tissue lead to insulin resistance via secretion of pro-inflammatory cytokines and adipokines. One of the major adipokines, leptin, is known to play a central role in obesity-related cancer. Recent findings on molecular mechanisms of leptin and adiponectin will be discussed.

TWITTER-ENHANCED SESSION

In the Era of Digital Medicine, Patients Are Connected and in Control—What Does This Mean for Laboratorians?

72224
Level: Basic

Developed in cooperation with Informatics Division.

SESSION OVERVIEW

This session will focus on various aspects of digital medicine and aims to stimulate active discussion regarding the roles that patients in generating, owning, and curating healthcare data. To increase audience participation and engagement and expand reach, the format will encourage attendees’ participation on Twitter using hashtags #2016AACC, #DigitalLabMed, and #digitalhealth. Attendees do not need a twitter account to attend.

MONDAY
August 1

AFTERNOON SHORT COURSES
TUESDAY, AUGUST 2

PLENARY & EDUCATION SESSIONS

2016 AACC CLINICAL LAB EXPO

DISCOVER THE FUTURE OF CLINICAL LABORATORY PRODUCTS AT THE 2016 AACC CLINICAL LAB EXPO. THE EXPO IS OPEN TUESDAY, AUGUST 2 — THURSDAY, AUGUST 4, AND IS INCLUDED WITH CONFERENCE REGISTRATION.
SESSION OVERVIEW

Epigenetics is a branch of science that studies the biochemical modifications of the genome. Dr. Andrew Feinberg, from Johns Hopkins University School of Medicine, has made fundamental discoveries in the field of epigenetics, impacting diverse fields ranging from cancer, stem cells, molecular diagnostics and novel therapeutics. He was the first to uncover evidence for methylation-mediated reversible behavior in a whole organism. He has also made important discoveries of altered DNA methylation in human cancer, human imprinted genes and loss of imprinting (LOI) in cancer, and the molecular basis of Beckwith-Wiedemann syndrome and epigenetic risk of cancer. Most recently, Dr. Feinberg pioneered genome-scale epigenetics (epigenomics), with the first whole genome bisulfite sequencing analysis of human cancer, and the discovery of large hypomethylated blocks, as well as a mechanism for disruption of these blocks in epithelial-mesenchymal transition. He has shown the close relationship between epigenomics changes in normal development, cancer, and stem cell reprogramming. This lecture will explore epigenetic mechanisms on normal development, cancer, and stem cell reprogramming and discuss its exciting implications to molecular diagnostics and novel forms of therapy.
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.

<table>
<thead>
<tr>
<th>Title</th>
<th>Session Number AM</th>
<th>Session Number PM</th>
<th>Level</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value Focus: Middleware Can Be a Powerful Director’s Tool</td>
<td>43101</td>
<td>53201</td>
<td>Intermediate</td>
<td>Danyel Tacker, PhD, FACB, DABCC West Virginia University, Morgantown, WV</td>
</tr>
<tr>
<td>Parathyroid Hormone Assay Challenges and Harmonization Progress</td>
<td>43102</td>
<td>53202</td>
<td>Intermediate</td>
<td>Asmita Hazra, MBBS, MD, ALIMS ND Christian Medical College Vellore India, Vellore, Tamil Nadu, India</td>
</tr>
<tr>
<td>Optimizing Accuracy and Precision for POCT in Specific Clinical Settings</td>
<td>43103</td>
<td>53203</td>
<td>Intermediate</td>
<td>Anthony Okorodudu, PhD, MBA, DABCC University of Texas Medical Branch, Galveston, TX</td>
</tr>
<tr>
<td>Therapeutic Drug Management in Pregnant Patients</td>
<td>43104</td>
<td>53204</td>
<td>Intermediate</td>
<td>Kamisha Johnson-Davis, PhD, DABCC, FACB University of Utah/ARUP Laboratories, Salt Lake City, UT</td>
</tr>
<tr>
<td>Diagnosing Diabetes with HbA1c in Sickle Cell Trait Patients</td>
<td>43105</td>
<td>53205</td>
<td>Intermediate</td>
<td>Chesinta Voma, PhD, NRCC, MT(ASCP), MT(ASCP)SC University of Louisville, Louisville, KY</td>
</tr>
<tr>
<td>Adoption Trends of Liquid Biopsy Technologies</td>
<td>43106</td>
<td>53206</td>
<td>Intermediate</td>
<td>Divyaa Ravishankar Frost &amp; Sullivan, San Antonio, TX</td>
</tr>
<tr>
<td>How People Try to Beat Drug Testing and Defend Positive Results</td>
<td>43107</td>
<td>53207</td>
<td>Basic</td>
<td>Amitava Dasgupta, PhD, DABCC, NRCC University of Texas at Houston, Medical School, Houston, TX</td>
</tr>
<tr>
<td>Thyroglobulin and Anti-Thyroglobulin Autoantibodies Assays in the Management of Thyroid Cancer Patients: Which Assay Should I Offer?</td>
<td>43108</td>
<td>53208</td>
<td>Intermediate</td>
<td>Alicia Algeciras-Schimmich, PhD, DABCC Mayo Clinic, Rochester, MN</td>
</tr>
<tr>
<td>How Statistics Influence Our Clinical Decisions</td>
<td>43109</td>
<td>53209</td>
<td>Basic</td>
<td>Oswald Sonntag, PhD Bio-Rad Laboratories, Munchen, Germany</td>
</tr>
<tr>
<td>Screening for Cancer: Recommendations and Controversies Developed in cooperation with US Centers for Disease Control and Prevention (CDC).</td>
<td>43110</td>
<td>53210</td>
<td>Intermediate</td>
<td>Shohram Shahangian, PhD, MS, DABCC, FACB US Centers for Disease Control and Prevention (CDC), Atlanta, GA</td>
</tr>
<tr>
<td>Smart LCMS: The Key to Worry Free Method Development and Implementation</td>
<td>43111</td>
<td>53211</td>
<td>Basic</td>
<td>Lorin Bachmann, PhD, DABCC Virginia Commonwealth University, Richmond, VA</td>
</tr>
<tr>
<td>The Test Life Cycle: A Framework for Utilizing CLSI Guidelines to Evaluate Clinical Laboratory Measurement Procedures</td>
<td>43112</td>
<td>53212</td>
<td>Basic</td>
<td>Paula Ladwig, MS, MT (ASCP) Mayo Clinic, Rochester, MN</td>
</tr>
<tr>
<td>Increasing Laboratory Efficiency Though Optimizing Dilution Workflow of Automated Analyzers</td>
<td>43113</td>
<td>53213</td>
<td>Basic</td>
<td>Sheng-Ying Lo University of Washington, Seattle, WA</td>
</tr>
<tr>
<td>Title</td>
<td>Session Number AM</td>
<td>Session Number PM</td>
<td>Level</td>
<td>Speakers</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-------------------</td>
<td>-------------------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Quality Performance Indicators: How to Use Key Processes Metrics to Add Value to the Clinical Laboratory Services Provided to Patients</td>
<td>43114</td>
<td>53214</td>
<td>Basic</td>
<td>Fernando Berlitz, MBA, MBB, Grupo Ghanem, Joinville, Brazil</td>
</tr>
<tr>
<td>Utility of CSF Analysis for the Diagnosis of Traumatic Brain Injury and Neurologic Disease</td>
<td>43115</td>
<td>53215</td>
<td>Intermediate</td>
<td>Alina Sofronescu, PhD, University of Nebraska Medical Center, Omaha, NE</td>
</tr>
<tr>
<td>The Art of Implementing and Maintaining LOINC and SNOMED CT in a Laboratory Setting</td>
<td>43116</td>
<td>53216</td>
<td>Basic</td>
<td>Pamela Banning, BS, MLS CM (ASCP), 3M HIS, Salt Lake City, UT</td>
</tr>
<tr>
<td>Laboratory Tests Related to Calcium and Bone Metabolism</td>
<td>43117</td>
<td>53217</td>
<td>Intermediate</td>
<td>Lu Song, PhD, DABCC, UCLA Medical Center, Los Angeles, CA</td>
</tr>
<tr>
<td>Pharmacogenetics in the Clinical Laboratory: Opportunities and Challenges</td>
<td>43118</td>
<td>53218</td>
<td>Basic</td>
<td>Allison Chambliss, PhD, Johns Hopkins University School of Medicine, Baltimore, MD</td>
</tr>
<tr>
<td>Hepatitis C Virus: Epidemiology, Testing and Management of Adult Patients</td>
<td>43119</td>
<td>53219</td>
<td>Intermediate</td>
<td>Annette Adelmann, BS, MBA, Beckman Coulter, Inc., Chaska, MN</td>
</tr>
<tr>
<td>Getting That New Job: A Guide to Applying, Interviewing and Negotiating Developed in cooperation with Society for Young Clinical Laboratorians.</td>
<td>43120</td>
<td>53220</td>
<td>Basic</td>
<td>Joe El-Khoury, PhD, DABCC, FACB, Yale University, New Haven, CT</td>
</tr>
<tr>
<td>How to Improve Efficiency and Save on Costs Through Standardization of Blood Gas Equipment Developed in cooperation with Critical and Point-of-Care Testing Division.</td>
<td>43121</td>
<td>53221</td>
<td>Basic</td>
<td>Brenda Suh-Lailam, PhD, DABCC, Lurie Children's Hospital of Chicago, IL</td>
</tr>
<tr>
<td>Macrowenzymes: Overview and Identification</td>
<td>43122</td>
<td>53222</td>
<td>Basic</td>
<td>Jennifer Powers, PhD, University Utah/ARUP Labs, Salt Lake City, UT</td>
</tr>
<tr>
<td>Case Study Based Approach of Prenatal Maternal Double Marker Screening: Save the Precious Little Foot Prints in Mother's Womb</td>
<td>43123</td>
<td>53223</td>
<td>Basic</td>
<td>Barnali Das, MD, DNB, PGDM, Kokilaben Dhirubhai Ambani Hospital, Mumbai, Maharashtra, India</td>
</tr>
<tr>
<td>Laboratory Contracts and Negotiation: General Principles</td>
<td>43124</td>
<td>53224</td>
<td>Basic</td>
<td>Juan David Garcia, MBA, BSMT, MBA, NYP Weill Cornell Medical Center, New York, NY</td>
</tr>
<tr>
<td>NIST Standard Reference Materials: Tools to Improve Accuracy in the Clinical Lab</td>
<td>43125</td>
<td>53225</td>
<td>Basic</td>
<td>Mary Bedner, PhD, NIST, Gaithersburg, MD</td>
</tr>
<tr>
<td>Interference of Hemoglobin Variants in Cation-Exchange HPLC HbA1c Assay</td>
<td>43126</td>
<td>53226</td>
<td>Intermediate</td>
<td>Yusheng Zhu, PhD, DABCC, FACB, Medical University of South Carolina, Charleston, SC</td>
</tr>
<tr>
<td>Social Media 101 for Lab Professionals: Leveraging Digital Resources and Developing Your Online IQ Developed in cooperation with Society for Young Clinical Laboratorians (SYCL).</td>
<td>43127</td>
<td>53227</td>
<td>Basic</td>
<td>M. Laura Parnas, PhD, DABCC, Sutter Health, Livermore, CA</td>
</tr>
<tr>
<td>How Can Vendors Help POC Coordinators and How Can Coordinators Help Vendors?</td>
<td>43128</td>
<td>53228</td>
<td>Basic</td>
<td>Karen Jenkins, Emory University Hospital Midtown, Atlanta, GA</td>
</tr>
<tr>
<td>Putting the Pieces Together—Lab Safety Regulations and Guidelines</td>
<td>43129</td>
<td>53229</td>
<td>Intermediate</td>
<td>Daniel Scungio, MT (ASCP), SLS, CQA (ASQ), Sentara Healthcare, Norfolk, VA</td>
</tr>
<tr>
<td>The Impact of the NGSP on HbA1c Measurement in the Clinical Laboratory</td>
<td>43130</td>
<td>53230</td>
<td>Intermediate</td>
<td>Randie Little, PhD, University of Missouri at Columbia, Columbia, MO</td>
</tr>
</tbody>
</table>
The Epigenetic Basis of Common Human Disease

SESSION OVERVIEW
This session provides an excellent opportunity for a limited number of attendees to meet with Dr. Andrew Feinberg, a world authority of epigenetics. Dr. Feinberg has made fundamental discoveries in epigenetics, impacting multiple fields. Dr. Feinberg will discuss epigenetic changes in normal development, cancer, and stem cell reprogramming, and their implications in molecular diagnostics and novel forms of therapy.

SPEAKER
Andrew Feinberg, MD, MPH
Johns Hopkins University, Baltimore, MD

MORNING SYMPOSIA

Tuesday | 10:30am - Noon

ORAL ABSTRACT SESSION
Breakthroughs in Maternal, Fetal and Pediatric Medicine

SESSION OVERVIEW
AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed and ranked the abstracts submitted for the AACC Annual Scientific Meeting for acceptance. The Annual Meeting Organizing Committee (AMOC) has reviewed the accepted abstracts in the area of Maternal, Fetal and Pediatric Medicine and have chosen four authors to present their research as oral presentations in a symposia. Each 15 minute presentation will be followed by a 5 minute question-and-answer session.

Recently Revised CLSI Protocol C52: “Toxicology and Drug Testing in the Clinical Laboratory—Approved Guideline”

SESSION OVERVIEW
During this symposia the changes incorporated into the latest revision of the CLSI document C52 “Toxicology and Drug Testing in the Clinical Laboratory: Approved Guideline 3rd Edition” will be reviewed. Changes include elimination of forensic testing, recommendations on current analytical methodologies, and new sample matrices. The benefits and limitations of various instruments and sample matrices will be addressed.

Clinical Chemistry’s Hot Topics of 2016

SESSION OVERVIEW
Liquid biopsy and point of care diagnostics are the subjects of numerous highly cited articles published in Clinical Chemistry and will be discussed in this session.

The Emerging Role of Mass Spectrometry in the Measurement of Monoclonal Immunoglobulins

SESSION OVERVIEW
Mass spectrometry is an emerging analytical tool for measuring monoclonal immunoglobulins with the potential to impact how monoclonal gammopathies are diagnosed and managed. This session will explore the rationale and utility of mass spectrometry-based methods in the context of current clinical assays used to detect, measure and characterize monoclonal gammopathies.
Tuesday | 10:30am - Noon

**The Complement System: Overview and Laboratory Testing**
73105
Level: Basic

Developed in cooperation with Clinical & Diagnostic Immunology Division.

**SESSION OVERVIEW**
Complement testing has gained significant interest recently as its role in infectious, autoimmune, and inflammatory diseases is better understood and as complement is increasingly recognized as a potential target for therapeutics. An overview of the complement system, pre-analytical challenges, modern laboratory testing and cases of deficiency/dysregulation will be presented.

**Established and Novel Biomarkers of Heart Failure in the Era of Neprilysin Inhibition**
73106
Level: Intermediate

**SESSION OVERVIEW**
The session will review new aspects natriuretic peptide biology and effects of novel therapies such as neprilysin inhibition on natriuretic peptide levels, the use of natriuretic peptides in heart failure management, and novel heart failure biomarkers such as galectin-3, soluble ST2, hsTn, GDF-15, and IGFBP7 and their clinical applications.

**Next Generation Sequencing for Microbiological Diagnostics—The University of Chicago Experience**
73108
Level: Intermediate

**SESSION OVERVIEW**
This session will discuss the use of NGS and provide a tool set for development and implementation strategies. Assay development, analytical validation, bioinformatics analysis, and regulatory considerations will be reviewed. Clinical opportunities for integration of NGS in the clinical microbiology laboratory will also be discussed.

**Customer Service Skills from the Customer’s Perspective**
73109
Level: Basic

**SESSION OVERVIEW**
The laboratory’s ability to be a contributing partner in quality patient care rests not just on our technical knowledge and expertise, but also in our ability to deliver actionable information with excellent customer service. This session will provide an opportunity for self-assessment utilizing a customer service skills preferred profile and an interactive discussion regarding the do’s and don’ts for outstanding customer service.
**SESSION OVERVIEW**

This session will provide an introduction to the open-source statistical programming language R and will focus on statistical analysis relevant to clinical chemistry—it is Part 1 of a two-part course. Students will learn how to perform common clinical chemistry related computational tasks, produce high quality publication-ready figures and will learn about a host of other potential applications. The session will allow students to embark on further self-directed learning. This session continues in “Little Steps with Big Data: Part 2,” and attendees should plan on going to both sessions to receive the full benefit of the course.

**SESSION OVERVIEW**

Your effectiveness as a laboratorian is dependent on your ability to influence your leadership team. It is important for you to recognize your role in contributing to a healthy leadership team recognizing each individual member’s perspectives. You can then tap into various approach styles to successfully influence decision making. The presentation will draw from more than 35 years of experience as a laboratory manager and working with C-level health care teams in all 50 states.

**SESSION OVERVIEW**

Molecular and personalized genetic tests are expanding in the routine laboratory. Circulating nucleic acids, namely extra-cellular DNA or RNA molecules present in human circulation, serve as versatile biomarkers for achieving blood-based molecular diagnostics for the investigation of fetal health, cancers, other pathologies, and post-transplantation complications. Recently, there have been some exciting advances made in relation to circulating cell-free nucleic acid analysis, resulting in cutting-edge noninvasive applications for personalized diagnostics. In this session, the participant will learn about the recent updates in noninvasive prenatal testing and the latest applications of circulating nucleic acid analysis, including approaches for organ transplantation monitoring, approaches to determine the anatomical location of cancers and other diseases, as well as the advances in analytical approaches available, including droplet digital PCR, nanopore sequencing and methylome analysis.
Tuesday | 2:30pm - 5:00pm

Diabetic Nephropathy: Where Are We Now?
33211
Level: Intermediate

Developed in cooperation with Committee on Clinical Collaborations, American Diabetes Association.

SESSION OVERVIEW
This session will address key biomarkers for diabetic kidney disease (creatinine, eGFR, cystatin C, urine albumin) in the context of physiologic and laboratory limitations that influence interpretation of results, how eGFR is used to make treatment decisions, and whether the biomarkers are adequate for assessing renal function in diabetes.

The Next Frontier in Precision Medicine—Targeted Peptide Diagnostic Mass Spectrometry Assays
33212
Level: Basic

Developed in cooperation with Clinical Translational Science Division, Mass Spectrometry and Separation Sciences Division, Proteomics & Metabolomics Division, National Cancer Institute.

SESSION OVERVIEW
Diagnostic biomarkers are essential for the success of precision medicine and translational research. Yet, currently there are only 600 proteins for which biomarker diagnostic assays (laboratory-developed or FDA-approved) exist (1-2% of the total number of proteins encoded by the human genome). Targeted mass spectrometry peptide-based assays (multiple reaction monitoring (MRM), also referred to as selected reaction monitoring) have emerged as a viable platform for biomarker assays in modern disease management. This symposia will present real-world examples that showcase this methodology, including its deployment at clinical reference labs and clinical utility in thyroid cancer. Practical instructions (methods development) on how to design and deploy mass spectrometry peptide assays in labs and develop highly validated off-the-shelf immuno-MRM assays (through a public-private partnership) will be provided. To further adopt these assays in clinical practice best practices for the generation, quantification, storage, and handling of peptide reference standards will also be discussed.

Antiplatelet Agents and Anticoagulants: Laboratory Monitoring
33213
Level: Intermediate

Developed in cooperation with College of American Pathologists.

SESSION OVERVIEW
Several anticoagulant and antiplatelet agents are available for clinical use. Testing used for monitoring these agents in the laboratory and at point-of-care is evolving. In addition, specialized coagulation testing for unusual disorders of hemostasis including inherited disorders of platelet function, factor inhibitors and the anti-phospholipid syndrome may be necessary. This session will describe antiplatelet agents and anticoagulants that are currently in use, including aspirin, clopidogrel, prasugrel, glycoprotein IIb/IIIa antagonists, warfarin, heparin, low-molecular-weight heparin, fondaparinux, argatroban, lepirudin, dabigatran, rivaroxaban, and apixaban. This session will cover the actions and indications of each drug and will provide a more detailed description of options for monitoring the concentration and/or effect of the compound. The utility of point-of-care monitoring of anti-coagulation will also be discussed. Lastly, the options for assessment of platelet function and factor deficiencies and their clinical utility will be covered.
SESSION OVERVIEW
Diarrheal illness is a major cause of morbidity and mortality worldwide. This session will provide a multidisciplinary view of diarrheal illness in two settings: industrialized and developing nations. A microbiologist, clinical chemist, and physician will present clinical and laboratory challenges in the diagnosis and management of gastroenteritis in each setting.

Challenges and Clinical Impacts of Standardization of Immunoassays
73215
Level: Intermediate

SESSION OVERVIEW
Developed in cooperation with Clinical Laboratory Standards Institute, UK National External Quality Assessment Service (UK NEQAS).

This session will review the practical considerations of immunoassay standardization for laboratorians, manufacturers and clinicians, and provide guidance in identifying opportunities for validating reference materials and implementing global standardization of analytes measured by immunoassays. Specific emphasis will be placed on improving the quality of laboratory results and its impact on patient care.

73216
Level: Intermediate

SESSION OVERVIEW
This session will use examples and discussion to explain concepts helpful for creation of laboratory developed tests (LDTs) using current guidelines. Attendees are encouraged to bring real world examples of issues they have encountered with assay validation, ISO accreditation and/or reagent production. Attendees will receive EP19-A.

The Opportunity to Integrate the Laboratory into Patient Care Through Meaningful Use of Electronic Health Record (EHR)
73217
Basic

SESSION OVERVIEW
Developed in cooperation with Informatics Division.

In the changing landscape of our nation’s healthcare, laboratorians have the unique opportunity to provide greater value to the patient in several healthcare settings through the meaningful use of Electronic Health Record (EHR). Laboratorians and laboratory data can enhance and/or improve: individual patient care, patient safety, evidence based medicine protocols development, and public health data exchange, to name a few. This session will address the federal mandates for EHR adoption from the perspectives of the industry, public health and the healthcare provider.
Tuesday | 2:30pm - 5:00pm

**Little Steps with Big Data: An Introduction to the R Programming Language: Part 2**

73218  
Level: Intermediate

**SESSION OVERVIEW**

This session will provide an introduction to the open-source statistical programming language R and will focus on statistical analysis relevant to clinical chemistry—it is Part 2 of a two-part course. Students will learn how to perform common clinical chemistry related computational tasks, produce high quality publication-ready figures and will learn about a host of other potential applications. This session builds on “Little Steps with Big Data: Part 1,” and should not be attended unless the first of the two sessions was attended.

---

**New Approaches to HIV: Recommendations on How to Test and Treat**

73219  
Level: Intermediate

**SESSION OVERVIEW**

Human immunodeficiency virus/acquired immune deficiency syndrome (HIV/AIDS) remains a significant public health concern, both in the United States as well as abroad. This session will present an overview of the updated CDC-recommended algorithm for HIV laboratory testing, which may facilitate the diagnosis of acute HIV-1 infection. Furthermore, this symposia will discuss antiretroviral therapeutic (ART) regimens utilized for the management of HIV, as well as studies illustrating the success of antiretroviral drugs as treatment-for-prevention in high-risk populations and the potential utility of therapeutic drug monitoring (TDM).

---

FOR COMPLETE COURSE INFORMATION, VISIT WWW.AACC.ORG/2016AM
POSTER SESSIONS
POSTER SESSIONS FEATURE NEW AND ONGOING RESEARCH IN CLINICAL LAB MEDICINE BY VISIONARIES IN THE FIELD. VISIT THE POSTER HALL TUESDAY AND WEDNESDAY FROM 9:30AM – 5:00PM TO VIEW THESE OUTSTANDING ACCEPTED ABSTRACTS.
SESSION OVERVIEW

This lecture will discuss the use of direct mass spectrometric profiling of biological tissues. One example is the ‘intelligent knife’ technology, in which smoke collected during surgery performed using electrosurgical knives is analyzed by a mass spectrometer. This technology provides rapid diagnostic information to surgeons, such as during tumor resection. Professor Zoltan Takats, is a pioneer in the field of ambient mass spectrometry and its application to clinical specimens near the surgical suite. He is the primary inventor of six mass spectrometric ionization techniques. With the invention of the intelligent knife, mass spectrometry is now being brought directly to patients undergoing surgery. His laboratory continues to investigate the application of this technology to other important clinical questions, including those in the microbiology laboratory. Professor Takats will explore the clinical implications and future developments of this technology. As part of the session, an experienced anatomic pathologist, Dr. Virginia LiVolsi from the Perelman School of Medicine at the University of Pennsylvania, will give her view of the technology and participate in the post-lecture Q&A.
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.

<table>
<thead>
<tr>
<th>TITLE</th>
<th>SESSION NUMBER</th>
<th>LEVEL</th>
<th>SPEAKERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drug Interference—The Unsolved Problem</td>
<td>44101</td>
<td>Basic</td>
<td>Oswald Sonntag, PhD</td>
</tr>
<tr>
<td></td>
<td>54201</td>
<td></td>
<td>Bio-Rad Laboratories, Munchen, Germany</td>
</tr>
<tr>
<td>Business Process Management: A Powerful</td>
<td>44102</td>
<td>Basic</td>
<td>Fernando Berlitz, MBA, MBB</td>
</tr>
<tr>
<td>Approach to Redesigning Processes That Create</td>
<td>54202</td>
<td></td>
<td>Grupo Ghanem, Joinville, Brazil</td>
</tr>
<tr>
<td>Value for Clinical Laboratories and its Patients</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass Spectrometry in the Clinical Lab:</td>
<td>44103</td>
<td>Basic</td>
<td>Jennifer Colby, PhD, DABCC</td>
</tr>
<tr>
<td>Applications for Emergency Toxicology</td>
<td>54203</td>
<td></td>
<td>Vanderbilt University, Nashville, TN</td>
</tr>
<tr>
<td>Three Sisters: Algorithms for Syphilis Testing</td>
<td>44105</td>
<td>Basic</td>
<td>Vera Tesic, MD</td>
</tr>
<tr>
<td></td>
<td>54205</td>
<td></td>
<td>University of Chicago, Chicago, IL</td>
</tr>
<tr>
<td>Patient Access Portal: The Patient’s Window</td>
<td>44106</td>
<td>Basic</td>
<td>Eugenio Zabaleta, PhD</td>
</tr>
<tr>
<td>to Discover the Lab</td>
<td>54206</td>
<td></td>
<td>Ohio Health Mansfield Hospital, Mansfield, OH</td>
</tr>
<tr>
<td>Monoclonal Antibodies as Therapeutic Agents</td>
<td>44107</td>
<td>Intermediate</td>
<td>Melissa Snyder, PhD, DABCC</td>
</tr>
<tr>
<td></td>
<td>54207</td>
<td></td>
<td>Mayo Clinic, Rochester, MN</td>
</tr>
<tr>
<td>Laboratory Assessment of Cystic Fibrosis</td>
<td>44108</td>
<td>Intermediate</td>
<td>Neval Akbas</td>
</tr>
<tr>
<td></td>
<td>54208</td>
<td></td>
<td>Texas Children's Hospital, Houston, TX</td>
</tr>
<tr>
<td>Rule-Based Strategies for Taming Wasteful</td>
<td>44109</td>
<td>Intermediate</td>
<td>Ron Schifman, MD</td>
</tr>
<tr>
<td>Testing</td>
<td>54209</td>
<td></td>
<td>Southern Arizona VA Healthcare System, Tucson, AZ</td>
</tr>
<tr>
<td>Evolving Use of Cardiac Troponins in the ED—</td>
<td>44110</td>
<td>Basic</td>
<td>Margot LeClair</td>
</tr>
<tr>
<td>Early Rule-In/Rule-Out Protocols and the Use</td>
<td>54210</td>
<td></td>
<td>Beckman Coulter Immunoassay, Chaska, MN</td>
</tr>
<tr>
<td>of Significant Deltas</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoglobulin Paraprotein Interference with</td>
<td>44111</td>
<td>Advanced</td>
<td>Lu Song, PhD, DABCC</td>
</tr>
<tr>
<td>Chemistry Assays</td>
<td>54211</td>
<td></td>
<td>UCLA Medical Center, Los Angeles, CA</td>
</tr>
<tr>
<td>Emerging Biomarkers of Liver Injury and Disease</td>
<td>44112</td>
<td>Intermediate</td>
<td>Mitchell McGill, PhD</td>
</tr>
<tr>
<td></td>
<td>54212</td>
<td></td>
<td>Washington University School of Medicine, St. Louis, MO</td>
</tr>
<tr>
<td>Hair as a Long Term Adherence Marker for HIV</td>
<td>44114</td>
<td>Intermediate</td>
<td>Howard Horng</td>
</tr>
<tr>
<td>Medications</td>
<td>54214</td>
<td></td>
<td>University of California, San Francisco, San Francisco, CA</td>
</tr>
<tr>
<td>Title</td>
<td>Session Number AM/PM</td>
<td>Level</td>
<td>Speakers</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>-----------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Can You Substitute Diesel with Gas in Your Car?: The Similar Story of Active Vitamin B12 and Total Vitamin B12 | 44115/54215           | Basic     | Barnali Das, MD, DNB, PGDM  
Kokilaben Dhirubhai Ambani Hospital, Mumbai, Maharashtra, India             |
| Measurement of TSH Receptor Auto-Antibodies: Clinical Value and Evolution of the Assays | 44116/54216           | Intermediate | Damien Gruson, PhD  
Cliniques Universitaires Saint Luc, Bruxelles, Belgium                     |
| Adrenal Vein Sampling (AVS): A Diagnostic Procedure for Patients with Primary Hyperaldosteronism | 44117/54217           | Intermediate | Siaw L Chan  
University of Chicago, Chicago, IL                                           |
| Total Laboratory Automation Systems: Implementation and Future Upgrades | 44119/54219           | Basic     | Edward Leung, PhD, DABCC, FACB  
The University of Chicago Medicine, Chicago, IL                               |
| Critical Test Results Boot Camp  
Developed in cooperation with Management Sciences and Patient Safety Division. | 44120/54220           | Basic     | Qian Sun  
University of Pittsburgh, Pittsburg, PA                                     |
| The CDC Vitamin D Standardization-Certification Program (VDSCP)—Improving the Clinical Measurement of Total 25-Hydroxyvitamin D | 44121/54221           | Intermediate | Otoe Sugahara  
Centers for Disease Control and Prevention, Atlanta, GA                    |
| Evaluation of Time-of-Flight High Resolution Mass Spectrometry for Broad Spectrum Drug Screening in Urine | 44122/54222           | Basic     | Imir Metushi  
University of California San Diego-CALM, San Diego, CA                    |
| Optimizing PT/INR Testing for Patients Presenting to the Emergency Department with Stroke | 44123/54223           | Basic     | Sarah Wheeler  
Meso Scale Diagnostics, Rockville, MD                                        |
| Laboratory Diagnosis of Antiphospholipid Syndrome | 44124/54224           | Intermediate | Olajumoke Oladipo, MD, DABCC, FACB  
University of Texas Medical Branch, Galveston, TX                              |
| Designing a Successful Point-of-Care Testing Program: Survival Guide for New Laboratory Directors | 44125/54225           | Basic     | Rob Nerenz, PhD, DABCC  
University of Kentucky, Lexington, KY                                         |
| Strategies to Overcome Pre-Analytical Errors in Adrenal Vein Sampling Procedures | 44126/54226           | Basic     | Pratistha Ranjitkar  
University of Washington, Seattle, WA                                          |
| OSHA’s 2016 GHS Deadline—Chemical Management in Your Laboratory | 44127/54227           | Intermediate | Daniel Scungio, MT (ASCP), SLS, CQA (ASQ)  
Sentara Healthcare, Norfolk, VA                                                 |
| Common Pitfalls and Misinterpretations of Urine Drug Testing | 44128/54228           | Basic     | Jill Warrington, MD, PhD  
University of Vermont, Burlington, VT                                          |
MORNING MEET THE EXPERT

Wednesday | 10:30am - 11:30am

Direct Mass Spectrometric Profiling of Biological Tissues—A New Paradigm in Histology

64101
Level: Basic

SESSION OVERVIEW
This session provides an excellent opportunity for a limited number of attendees to meet with Professor Zoltan Takats and Dr. Virginia LiVolsi. Professor Takats is a pioneer in the field of ‘Ambient Mass Spectrometry’ and is an inventor of the ‘intelligent knife’ technology. This technology provides real-time and clinically important information to surgeons during the course of surgery. Dr. LiVolsi is an experienced anatomic pathologist who will give her view of the technology.

SPEAKERS
Zoltan Takats, PhD
Imperial College London, London, United Kingdom

Virginia LiVolsi, MD
University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
Wednesday | 10:30am - Noon

**ORAL ABSTRACT SESSION**

**What's New in Toxicology and Therapeutic Drug Monitoring?**

34101
Level: Intermediate

**SESSION OVERVIEW**

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed the abstracts submitted for the AACC Annual Scientific Meeting. The Annual Meeting Organizing Committee (AMOC) has reviewed the abstracts in the area of Toxicology and Therapeutic Drug Monitoring and have chosen several of these authors to present their findings as oral presentations. Each 15 minute presentation will be followed by a 5 minute question-and-answer session.

---

**Trends in Allied Health Education:**

**How Will We Educate the Laboratory Workforce of the Future?**

34102
Level: Basic

**SESSION OVERVIEW**

Developed in cooperation with Management Sciences and Patient Safety Division.

Online/distance and blending learning techniques are transforming allied health education. This transformation is being accelerated by a decrease in the number of available resources that can provide clinical hands-on training. In this session we will explore education trends and controversies such as conventional vs distance/online vs. blended learning approaches as well as the growing importance of inter-professional education. We will also describe our experience with implementing an education program in Medical Laboratory Science and the success of a blended model of online e-learning and traditionally taught courses. This session will provide tools that all laboratory professionals can utilize to improve health education in their area.

---

**Correcting Nature’s Mistakes and Beyond:**

**The Promise of Gene Therapy**

34103
Level: Basic

**SESSION OVERVIEW**

The session will provide a discussion of current research applications of gene editing and their potential for development of therapeutic interventions. Attendees will hear about different techniques for gene modification, and how these may be used for the treatment of diseases.

---

**Emerging Biomarkers of Acute Kidney Injury (AKI) and Chronic Kidney Disease (CKD)**

34104
Level: Intermediate

**SESSION OVERVIEW**

This symposia will review emerging biomarkers of acute kidney injury (AKI) and of chronic kidney disease (CKD) by highlighting their clinical utility from recent human and animal studies. These biomarkers include NGAL, BRP-39, IL-6/IL-10, VEGF/EGF, SDMA, Clusterin, Cystatins and Inosine.
Wednesday | 10:30am - Noon

**Endogenous Antibody Interferences in the Chemistry Laboratory: Trouble From the Inside**

74105  
Level: Intermediate

*Developed in cooperation with Clinical Laboratory Standards Institute, Clinical & Diagnostic Immunology Division.*

**SESSION OVERVIEW**

This session will examine the biologic source and practical implications of endogenous interferences in chemistry assays used for patient management. It will also provide a detailed explanation of monoclonal protein/paraproteins and “heterophilic” antibodies, including human anti-animal antibodies. Attendees will learn how to detect problematic interferences, how to use standardized techniques to demonstrate their presence, and how to properly report patient results. The impact on patient care and improvement of quality laboratory test results will be stressed.

**Where the Rubber Hits the Road—The Importance of the Clinical/Analytical Interface in Interpreting Cardiac Troponin Testing**

74106  
Level: Basic

*Developed in cooperation with Biomarkers of Acute Cardiovascular Diseases.*

**SESSION OVERVIEW**

Conventional cardiac troponin assays have limits of quantification at or near the diagnostic 99th percentile and clinically significant rates of analytic errors. This session summarizes how 99th percentiles are established, the challenges resulting from the lack of harmonization of cardiac troponin immunoassays, and how high sensitivity-cardiac troponin assays impact the upper reference limit for the analyte. Additionally, it addresses troponin analytic false-elevations, the frequency of occurrence, and automated strategies to detect/correct them.
Wednesday | 10:30am - Noon

**Evaluating the Hypoxemic Patient: Oxygen and Oxygen-Related Parameters Used in Critical Care Settings**

47107

Level: Intermediate

**SESSION OVERVIEW**

Despite the frequency of measurement and physiologic importance of oxygen, laboratorians are often not familiar with how pO2, %O2Hb, Hb and other measurements are used to calculate oxygen-related parameters, such as O2 content, O2 delivery, A–a difference, paO2/FIO2 ratio, Oxygenation Index, and how the clinician uses them to evaluate and monitor hypoxemia, pulmonary ventilation, and perfusion in critically ill patients.

This session will be presented by a laboratory director and a practicing physician to provide clinical, pathophysiological, and practical information that will allow the participant to understand the important pre-analytical factors in these measurements, and how to interpret oxygen and oxygen-related calculations for diagnosing and managing patients in critical care settings.

**Autoantibodies: A Case-Based Approach**

47108

Level: Intermediate

**SESSION OVERVIEW**

This course will discuss a variety of organ-based and systemic autoimmune disorders including: thyroid disease, celiac disease, neuropathies, glomerulonephritis, rheumatoid arthritis, and progressive systemic sclerosis. The approach will be case-based, with a focus on how the laboratorian can help to advise providers regarding initial diagnostic testing and monitoring of treatment.

**Towards Patient-Centered Laboratory Medicine—Using Lab Testing to Reduce Diagnostic Error and Improve Patient Outcomes**

47109

Level: Intermediate

**SESSION OVERVIEW**

Overdiagnosis and misdiagnosis are increasingly emphasized as the focus of healthcare shifts from volume to value. The laboratory has a key role in ensuring that testing strategies add value and do not contribute to adverse patient outcomes. This session will review the ways in which laboratory medicine impacts patient outcomes, review practical strategies for increasing the added value of laboratory information, and offer a vision of a future state in which laboratory medicine is used effectively to support patient care and improve patient safety.
AFTERNOON SYMPOSIA

Wednesday | 2:30pm - 5:00pm

**Personalized, Genotype-Directed Treatment and Liquid Biopsy for Non-Small Cell Lung Cancer (NSCLC)**

34210
Level: Basic

**SESSION OVERVIEW**
Starting with the introduction of genotype-directed, targeted therapy in the management of NSCLC, this session will present contemporary molecular diagnostic technologies and emerging liquid biopsy platforms to detect actionable mutations in NSCLC. Dr. Kingshuk Das from UCLA David Geffen School of Medicine will describe the state-of-the-art in the molecular diagnostics of NSCLC, with its current limitations as well as future directions, including emerging genetic targets and expanded panel testing. Dr. David Wong from University of California Los Angeles will give an update on emerging liquid biopsy platforms to detect actionable mutations in NSCLC. Dr. Udayan Guha from National Cancer Institute will describe ongoing clinical trials for patients with NSCLC at the NIH clinical center and discuss newer avenues of treatment of advanced NSCLC based on pre-clinical and clinical data generated at the NIH.

---

**AACC/ASCLS Healthcare Forum**

34211
Level: Intermediate

**SESSION OVERVIEW**
The symposia will address: FDA efforts to regulate direct-to-consumer genetic testing; continuing activities to expand federal oversight of laboratory developed tests; CMS endeavors to implement a market-based clinical laboratory fee schedule; and a broad overview of current legislative and regulatory issues affecting the laboratory community.

---

**Precision Medicine Delivered by Advances in Circulating Cell-Free DNA Diagnostics**

34212
Level: Intermediate

**SESSION OVERVIEW**
Molecular and personalized genetic tests are expanding in the routine laboratory. Circulating nucleic acids, namely extra-cellular DNA or RNA molecules present in human circulation, serve as versatile biomarkers for achieving blood-based molecular diagnostics for the investigation of fetal health, cancers, other pathologies, and post-transplantation complications. Recently, there have been some exciting advances made in relation to circulating cell-free nucleic acid analysis, resulting in cutting-edge noninvasive applications for personalized diagnostics. In this session, the participant will learn about the latest applications of circulating nucleic acid analysis, including its utility in organ transplantation monitoring, and in determining the anatomical location of cancers and other diseases. Current strategies for the use of cell free DNA for prenatal screening will be discussed as well as barriers to implementation. The advances in analytical approaches, including droplet digital PCR, nanopore sequencing and methylome analysis will also be reviewed.

---

**Addressing Pre- and Post-Analytical Issues in Developing Countries**

34213
Level: Intermediate

**SESSION OVERVIEW**
Developed in cooperation with Asia Pacific Federation of Clinical Biochemistry.

**SESSION OVERVIEW**
Pre- and post-analytical errors are a universal problem and targeted solutions are necessary to effectively reduce these errors. In this session we will describe three Asia Pacific strategies that have been utilized to minimize pre- and post-analytical errors. First, we will present an approach used in Indonesia to improve phlebotomy competency. Second, the Asia Pacific Federation of Clinical Biochemistry will discuss the Interpretative Comments program and their experience with the variation in result comments. Finally, the identification of sources of variation (e.g., ethnic, geographical) in common lab tests particularly between developed and developing countries and their impact on post-analytical errors will be reviewed.
**AFTERNOON SHORT COURSES**

**Wednesday | 2:30pm - 5:00pm**

**Sampling, The Next Generation: Emerging Clinical Mass Spec Applications in Alternative Matrices**
74214
Level: Intermediate

Developed in cooperation with Mass Spectrometry and Separation Sciences Division.

**SESSION OVERVIEW**
This short course will interrogate the use of emerging alternative specimens for mass spectrometry in the clinical lab. Applications and challenges related to the use of alternative matrices such as dried blood spots, meconium, cord tissue, and luminal fluids will be discussed. Performance of conventional specimens for immunosuppressants, drugs of abuse, and therapeutic drug monitoring will be compared to these emerging alternative matrices to support research trials and clinical diagnostics.

**The Genomic Testing Revolution: An Interactive Workshop with Case Examples**
74215
Level: Basic

Developed in cooperation with the multi-society Training Residents in Genomics (TRIG) working group, SYCL, Molecular Pathology Division, Personalized Medicine Division.

**SESSION OVERVIEW**
Genomic medicine is transforming healthcare. Using a case-based, interactive small-group approach, participants will learn introductory principles related to developing genomic oncology assays and interpreting results. The workshop includes practical hands-on instruction with online genomics tools. Workshop material is based on the Training Residents in Genomics (TRIG) curriculum (www.pathologylearning.org/trig). Workshop requirements: You must bring a laptop for this course.

**Oral Fluid in the Clinical Toxicology Laboratory: Ready for Prime Time?**
74217
Level: Intermediate

**SESSION OVERVIEW**
This session will present advantages and drawbacks on the utility of oral fluid as a drug testing matrix in a clinical laboratory. The potential for interpretation of oral fluid drug concentrations will be discussed.

FOR COMPLETE COURSE INFORMATION, VISIT WWW.AACC.ORG/2016AM
THURSDAY, AUGUST 4

PLENARY & EDUCATION SESSIONS

2016 AACC CLINICAL LAB EXPO

DON’T MISS THE WORLD’S LARGEST EXHIBIT FOR LABORATORY MEDICINE. THE 2016 AACC CLINICAL LAB EXPO IS THE PLACE TO LEARN ABOUT THE BREAKTHROUGH INNOVATIONS SHAPING THE FUTURE OF CLINICAL TESTING AND PATIENT CARE. THE EXHIBIT HALL IS OPEN UNTIL 1:00PM ON THURSDAY, AUGUST 4.
THE GREAT CANNABIS EXPERIMENT: MEDICAL MIRACLE? HARMLESS HIGH? CIVIL CONSEQUENCES?

MARILYN HUESTIS, PHD
University of Maryland School of Medicine, Baltimore, MD

THURSDAY, AUGUST 4 | 8:45am - 10:15am | LEVEL: BASIC

SESSION OVERVIEW

This lecture will explore recent developments in the science and use of cannabis, including effects of acute and chronic cannabis exposure, cannabis use and the impact on driving, measurement of cannabinoids in blood and oral fluid, as well as the detection of these compounds and their effects after sustained abstinence. Professor Huestis and her group conduct important research into the mechanisms of action of cannabinoid agonists and antagonists, the effects of in utero drug exposure, and the neurobiology and pharmacokinetics of novel psychoactive substances. Recently, Professor Huestis and colleagues documented that CB1-cannabinoid receptors are significantly down regulated in specific brain regions in chronic daily cannabis smokers, but these receptors significantly increased with sustained cannabis abstinence.

PLEASE REFER TO THIS GUIDE WHEN MAKING YOUR SESSION SELECTIONS

Each session is identified by a five- or six-digit session number.

EXAMPLE

Session 72105 is a:
A. Short Course
B. On Monday
C. In the Morning

SESSION TYPE

A. FIRST DIGIT
1 = Plenary Sessions
3 = Symposia
4 = AM Brown Bag Sessions
5 = PM Brown Bag Sessions
6 = Meet the Expert Session
7 = Short Courses
19 = Sunday AACC University Sessions

SESSION DAY

B. SECOND DIGIT
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday

SESSION TIME

C. THIRD DIGIT
1 = am
2 = pm
4 = Mid-day

The last two digits are AACC internal numbers.
Thursday | 10:30am - Noon

**ORAL ABSTRACT SESSION**

**Emerging Topics in Laboratory Medicine**

35101
Level: Intermediate

**SESSION OVERVIEW**

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members have reviewed and ranked the abstracts submitted for the AACC Annual Scientific Meeting for acceptance. The Annual Meeting Organizing Committee (AMOC) has reviewed the accepted abstracts in the area of Emerging Topics in Laboratory Medicine and have chosen four authors to present their research as oral presentations in a symposia. Each 30 minute presentation will be followed by a 5 minute question-and-answer session.

---

**Marijuana from the Street to the Clinic:**
**Medicalization, Legalization and Unintended Consequences**

35102
Level: Basic

**SESSION OVERVIEW**

This session will provide a discussion of the impact of cannabis use in various populations. Particular attention will be paid to prenatal and perinatal use of marijuana, the impact marijuana on neurodevelopment in different populations, and challenges for the clinical laboratory in the context of cannabis testing. Attendees will hear about how these issues in the context of legalization of marijuana and its unintended consequences.

---

**Diagnostic Errors and Clinical Laboratories**

35103
Level: Intermediate

**SESSION OVERVIEW**

The session discusses diagnostic errors: the most common and dangerous errors in medicine, and the role the clinical laboratory plays in reducing the risk of laboratory-associated errors. Solutions to avoid errors in provider test ordering and interpretation will be provided. The use of process and outcomes measures to reduce the risk of errors in the total testing process will also be discussed.
2016 SUPPORTERS

THANK YOU TO ALL SUPPORTERS OF THE 68TH AACC ANNUAL SCIENTIFIC MEETING & CLINICAL LAB EXPO.

As of March 16, 2016
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Philadelphia Marriott Downtown</th>
<th>Sheraton Philadelphia Downtown</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SATURDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noon - 3:00p</td>
<td>Management Sciences and Patient Safety Division Executive Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00p - 5:00p</td>
<td>Mass Spectrometry &amp; Separation Sciences Division Workshop and Luncheon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00p - 5:30p</td>
<td>SYCL Workshop: Clinical Lab Directors in the Spotlight—Essential Communication Skills for the Modern Lab Director</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30p - 7:30p</td>
<td>SYCL Mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30p - 8:30p</td>
<td>21st Annual Management Sciences and Patient Safety Division Leadership Seminar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUNDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00p - 1:30p</td>
<td>International Travel Grant Luncheon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00p - 3:00p</td>
<td>ABCC Clinical Chemistry Exam Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ABCC Molecular Diagnostics Exam Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ABCC Toxicology Exam Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00p - 3:00p</td>
<td>Pediatric and Maternal-Fetal Division Annual Board Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proposed Tumor Markers and Diagnostics Division Organization Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00p - 4:30p</td>
<td>NGSP Steering Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00p - 5:00p</td>
<td>CPOCT Division Executive Committee Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:45p - 8:00p</td>
<td>AACC Community Opening Mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30p - 9:00p</td>
<td>Pediatric and Maternal-Fetal, Industry, Informatics, Clinical Translational Science, and Industry Divisions Joint Mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:45p - 10:30p</td>
<td>Awards Recognition Dinner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MONDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00am - Noon</td>
<td>American Board of Clinical Chemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00am - 11:00am</td>
<td>Division of Animal Clinical Chemistry General Business Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00am - 12:00pm</td>
<td>Verificación de métodos analíticos. Pasos a seguir para verificar las especificaciones de los fabricantes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noon - 2:00pm</td>
<td>Endocrinology Division Luncheon and Mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Molecular Pathology Division Poster Awards Session</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TDM and Toxicology Division Meeting and Luncheon</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Biomarkers of Acute Cardiovascular Disease Division Lunch Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NGSP IFCC Manufacturer Forum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noon - 2:30pm</td>
<td>Clinical Translational Science Division Luncheon and Symposium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Division of Animal Clinical Chemistry Lunch and Learn</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30p - 1:30p</td>
<td>Proposed Hematology and Coagulation Division Organization Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30p - 2:30p</td>
<td>Industry Division Meeting—Hot Topics on FDA &amp; LDT: Precision Medicine and Laboratory Developed Tests</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MONDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:00pm - 5:30pm</td>
<td>ABCC Certification Forum</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30pm - 7:00pm</td>
<td>Joint ABCC - SYCL Reception</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CLSI Member Reception</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30pm - 9:30pm</td>
<td>LVD Division Dinner Meeting: Current Topics in Cardiovascular Disease</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00pm - 8:00pm</td>
<td>AACC ECP-GLQI Mixer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TUESDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00am - 8:30am</td>
<td>Ohio/Michigan Local Sections Breakfast</td>
<td>Sheraton Philadelphia Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Personalized Medicine Division Awards and Membership Meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30am - 9:00am</td>
<td>ComACC Program Director’s Breakfast Meeting</td>
<td>Sheraton Philadelphia Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00am - Noon</td>
<td>Molecular Pathology Division Executive Board Meeting</td>
<td>Sheraton Philadelphia Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30am - 1:00pm</td>
<td>Informatics Division Membership Meeting and Luncheon</td>
<td>Sheraton Philadelphia Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:30am - 1:30pm</td>
<td>Midwest Section Annual Meeting and Luncheon</td>
<td>Sheraton Philadelphia Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noon - 2:30pm</td>
<td>Joint Division Luncheon—Mass Spectrometry, Molecular Pathology,</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Proteomics &amp; Metabolomics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:30pm - 2:00pm</td>
<td>History Division Luncheon Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:30pm - 4:30pm</td>
<td>SYCL Committee Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30pm - 7:30pm</td>
<td>AdvaMedDx Live</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Clinical Diagnostic &amp; Immunology Division Business Meeting and Mixer</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Molecular Diagnostics Educational Event</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CDC Standardization Programs Forum</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00pm - 8:00pm</td>
<td>CPOCT Division Membership Meeting and Mixer</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00pm - 9:00pm</td>
<td>LVD Division International Lipoprotein Standardization Forum</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6:00pm - 9:30pm</td>
<td>Nutrition Division Networking Seminar</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00pm - 11:00pm</td>
<td>CPOCT Division Afterglow</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WEDNESDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00am - 9:00am</td>
<td>C-peptide/Insulin Standardization Manufacturer Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30am - 9:00am</td>
<td>CPD Executive Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:15pm - 2:30pm</td>
<td>NACB Academy Annual Luncheon and Membership Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30pm - 7:30pm</td>
<td>NRCC Reception</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>THURSDAY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30am - 10:00am</td>
<td>14th Annual Point-of-Care Coordinators Forum</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00pm - 5:00pm</td>
<td>WG-TNI Meeting</td>
<td>Philadelphia Marriott Downtown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*If no location is specified, the session will take place at the Pennsylvania Convention Center.*
SYCL WORKSHOP AND MIXER

Clinical Lab Directors in the Spotlight: Essential Communication Skills for the Modern Lab Director
1:00pm - 5:30pm (Mixer 5:30pm - 7:30pm)
Philadelphia Marriott Downtown


Rapidly advancing technologies mean that clinical laboratory directors are much more visible and accessible than ever before. Our staff, peers, physician partners and even our patients are continually looking to us for information about test choices, methods, and results. Join us for a thought-provoking interactive session on effectively communicating our knowledge and expertise with these different constituencies. This interactive panel discussion will include patient advocates for direct-to-consumer testing and patient access to lab reports as well as presentations by these leaders in laboratory medicine:

Bill Malone, AACC, Washington, DC
Communicating Effectively Through the Media

James Hernandez, MD, Mayo Clinic Arizona, Phoenix, AZ
Communicating Effectively with Staff and Trainees

Shannon Haymond, PhD, Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL
Communicating Effectively with Your Practice

Attending this workshop will provide 4.0 ACCENT credits.

Immediately following the workshop the spotlight will shine on the red carpet for SYCL’s annual mixer, this year with the theme “A Night at the Oscars.” Light fare and refreshments will be served at this star-studded, lively networking event.

Registration
AACC Member/Non-member: $45
Register early. Space is limited to 75 registrants. Registration includes the workshop and mixer.

21ST ANNUAL MANAGEMENT SCIENCES AND PATIENT SAFETY LEADERSHIP SEMINAR

Clinical Laboratory Informatics: Building an Infrastructure for Improving Quality and Enhancing Value
5:30pm - 8:30pm • Philadelphia Marriott Downtown

Sponsored by the AACC Management Sciences and Patient Safety Division.

Clinical laboratory data support most patient care decisions, and is a treasure trove of information for laboratorians, pathologists, clinicians and researchers alike. AACC’s 21st Annual Management Sciences and Patient Safety Leadership Seminar will focus on the power of data for improving operations, optimizing test utilization, better diagnosing and managing patients, and discovering new clinical knowledge. Our speaker, Anand Dighe, MD, PhD, an associate professor of pathology at Harvard Medical School, will discuss laboratory analytic strategies and the emerging field of computational pathology, a fundamentally different approach than current care models which requires new thinking, infrastructure development, and collaborations.

Anand Dighe, MD, PhD
Massachusetts General Hospital, Boston, MA

Registration
AACC Member/Non-member: $20

ANNUAL LVD DIVISION DINNER MEETING

Current Topics in Cardiovascular Disease: Update on Lipoprotein Metabolism in Cardiovascular Research
5:30pm - 9:30pm • Philadelphia Marriott Downtown

Sponsored by the AACC Lipoproteins and Vascular Diseases Division.

At AACC’s Annual LVD Division Dinner Meeting, LVD members gather for an annual awards celebration and scientific session. This year’s seminar, Current Topics in Cardiovascular Disease, will be presented by Daniel J. Rader, MD, Seymour Gray professor of molecular medicine, scientific director of clinical and translational research, and chief of the division of translational medicine and human genetics at the Perelman School of Medicine at the University of Pennsylvania. Dr. Rader, a leading researcher on novel pathways regulating lipid and lipoprotein metabolism and on factors regulating the structure and function of high density lipoproteins, will update the audience on recent advances in the lipoprotein metabolism field.

Professor Daniel J. Rader, MD
Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA

Registration
AACC Member/Non-member: $50
Registration includes a reception, awards presentation, and dinner followed by scientific presentation.
AACC SPONSORED SPECIAL EVENTS

TUESDAY, AUGUST 2

INTERNATIONAL LIPOPROTEIN STANDARDIZATION FORUM
Standardization of LDL-P Measurement: The BioSITrace Project, A Comparison of Four Different Methods
6:00pm - 9:00pm • Philadelphia Marriott Downtown

Sponsored by the AACC Lipoproteins and Vascular Diseases and the Informatics Divisions.

AACC’s Annual International Lipoprotein Standardization Forum presents a novel topic involving recent advances in the lipoprotein standardization field. This year, our speaker, Vincent Delatour, PhD, of LNE, the French National Metrology Institute, will address the work of the BioSITrace project in developing reference standards and methods for lipoprotein particle counting. He will discuss measurement standardization requirements now that BioSITrace has compared four different methods for measuring low density lipoprotein particles, including nuclear magnetic resonance spectroscopy, electrospray-differential mobility analysis, isotope dilution mass spectroscopy, and immuno-turbidimetry.

Vincent Delatour, PhD
LNE - National Metrology Institute, Paris, France

Registration
AACC Member/Non-member: $40
Registration includes a reception followed by a dinner and scientific presentation.

TUESDAY, AUGUST 2

NUTRITION DIVISION NETWORKING SEMINAR
6:00pm - 9:30pm • Philadelphia Marriott Downtown

Sponsored by the AACC Nutrition Division.

The Nutrition Division is pleased to present its Annual Meeting and Networking Seminar on the science of diets, foods and supplements in athletic performance and chronic disease risk. Our speakers, Mark Kellogg, PhD, MT(ASCP), DABCC, NACB and Lawrence de Koning, PhD, DABCC, FACB, will describe nutritional experiments to enhance physical and cognitive performance in military operational environments, as well as randomized trials and prospective cohort studies for preventing chronic diseases—including type 2 diabetes, cardiovascular disease, and cancer—in civilian populations. Kellogg, an assistant professor of pathology and associate director of chemistry at Boston Children’s Hospital, and de Koning, a clinical assistant professor and clinical biochemist at Calgary Laboratory Services and Alberta Children’s Hospital, will evaluate evidence and fad nutrition claims by examining their effects on laboratory test results and clinical endpoints. This much-anticipated event also will feature short presentations from up to two Nutrition Division abstract winners, networking opportunities for laboratory professionals interested in nutrition, and healthy ‘evidence-based’ food.

Mark Kellogg, PhD, MT(ASCP), DABCC, NACB
Harvard Medical School, Boston, MA

Lawrence de Koning, PhD
University of Calgary, Calgary, Canada

Registration
AACC Member/Non-member: $20

TUESDAY, AUGUST 2

14TH ANNUAL POINT-OF-CARE COORDINATORS FORUM
Talking the Talk: Overcoming the Barriers to Productive Communication
7:30am - 10:00am • Pennsylvania Convention Center

Sponsored by the AACC Critical and Point-of-Care Testing Division.

AACC’s ever-popular Point-of-Care (POC) Coordinators Forum will highlight leader and essential communication skills for POCs. Our speaker, Rick Import, principal with Whitehat Communications, will focus on techniques to help understand the perspectives of the people we communicate with before we shape our responses. His presentation will include interactive role playing to demonstrate listening styles that promote understanding in order to elicit the most appropriate and productive response.

Following the presentation, a panel of POCs will discuss communication issues received from the audience as well as from POC surveys sent prior to the forum.

Rick Import
Whitehat Communications, Charlottesville, VA

Registration
AACC Member/Non-member: $20
## Registration Types & Events

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Full Conference</th>
<th>Guest/Spoise</th>
<th>Daily</th>
<th>Expo Only</th>
<th>No Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Events</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plenary Sessions</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>10000 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Symposia</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>30000 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Short Courses</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>70000 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meet the Experts</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>60000 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AACC University</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>190000 Series</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown Bag Sessions</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>40000 Series morning</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>50000 Series afternoon</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Special Events</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Special Event Opening Mixer</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Clinical Lab Expo</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Expo Only, Exhibit Hall</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>Lunch</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>Wednesday only, Exhibit Hall (Ticket included with registration)</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>Poster Sessions</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Abstracts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry Workshops</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>OEM Lectures</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
</tbody>
</table>

- ✔ Included with registration type
- $ Ticket required
- $ May purchase ticket
- $ May NOT purchase ticket
- ❌ May NOT attend
GENERAL POLICIES
Each person attending must register.
If accompanied by a registered adult, individuals ages 16 and 17 who have a photo ID may register for and attend the 68th AACC Annual Scientific Meeting & Clinical Lab Expo. Children under 16 are not permitted on the exhibit floor or in the educational sessions at any time.

BADGES
• Badges will not be mailed.
• All registrants must show a valid government-issued photo ID (driver’s license, passport, etc.) to pick up their badges at the convention center.
• Badges must be worn at all times while in the convention center and while attending AACC-sponsored events.

TICKETED SESSIONS
• Ticketed sessions and events have limited seating and are sold on a first come, first served basis.
• No wait list is maintained for sold-out sessions.
• Registrants may not purchase more than one ticket to a single AACC University session or Brown Bag Session. Guests cannot be accommodated.

SPECIAL REGISTRATION TYPES
Poster Presenters: To present your poster, you must have either a full conference registration or a daily conference registration for the day of your presentation.
AACC University: These sessions on Sunday require the session fee only; there’s no daily registration fee for Sunday.
Guest/Spouse: Registration is available with purchase of a full conference registration only. Guest/spouse registrants are not eligible for continuing education credit.
Trainee/Student*: Discounted registration fees are a benefit of AACC Membership.
* For trainees/students not currently members of AACC, trainee membership dues are $37 per year and will be added to your registration fee. Proof of student status (e.g., valid student ID or letter on letterhead from a professor) is required.

SIMPLIFIED FEE STRUCTURE
This year, one inclusive fee will give conference attendees greater access to education sessions. For one price, attendees have the ability to attend Plenaries, Symposia, Short Courses, Meet the Expert, Posters and Exhibits. AACC University and Brown Bag sessions require tickets and additional fees.

REGISTRATION FEES
Save up to $270 on your registration by joining AACC today!
See page 71 for membership application.
You may join at the same time as you register.

<table>
<thead>
<tr>
<th></th>
<th>EARLY FEES Received by 6/16/2016</th>
<th>REGULAR FEES Received after 6/16/2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference Registration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AACC/Member</td>
<td>$565</td>
<td>$700</td>
</tr>
<tr>
<td>(Professional, Professional Affiliate and Transitional)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Member</td>
<td>$835</td>
<td>$965</td>
</tr>
<tr>
<td>AACC Trainee Member</td>
<td>$175</td>
<td>$190</td>
</tr>
<tr>
<td>Trainee (Including AACC Trainee Membership*)</td>
<td>$212</td>
<td>$227</td>
</tr>
<tr>
<td>AACC Emeritus Member</td>
<td>$175</td>
<td>$190</td>
</tr>
<tr>
<td>Sunday Daily Registration</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Daily Registration (Mon-Thurs)</td>
<td>$445/day</td>
<td>$510/day</td>
</tr>
<tr>
<td>Guest/Spouse Registration</td>
<td>$175</td>
<td>$190</td>
</tr>
</tbody>
</table>

| AACC University Sessions | MORNING: | AACC Member | $160 | $215 |
|                          |          | Non-Member  | $180 | $235 |
|                          | AFTERNOON: | AACC Member | $215 | $270 |
|                          |          | Non-Member  | $235 | $290 |

| Brown Bag Sessions       | AACC Member/Non-Member (Meal is not included) | $25 | $25 |
PAYMENT POLICY
• Full payment of all fees is required to register. AACC does not accept purchase orders.
• AACC accepts Visa, MasterCard, and American Express, as well as wire transfers and checks (in U.S. dollars, drawn on U.S. correspondent banks).
• To pay by wire transfer or check, you must print a registration form and follow the instructions on it.

CONFIRMATION
• You’ll receive a confirmation email within two weeks of receipt of your registration form with complete payment.
• All registrants may view their confirmation and print a receipt at www.aacc.org.

CANCELLATION POLICY
• There will be no cancellations, refunds, or transfers of Expo Only registration fees.
• All Conference cancellations must be received in writing.
  - Written cancellations received by June 16, 2016, will be assessed a $50 processing fee.
  - No refunds will be granted after June 16, 2016.
• If a Conference registrant is unable to attend, registration may be transferred to another person through June 16, 2016.
  - Contact the Customer Service Center for details.
  - No Conference registration transfers are permitted after June 16, 2016.

EXPO ONLY REGISTRATION
• To register for the Expo only:
  - Register online at www.aacc.org/2016am.
  - Print an Expo Only registration form at www.aacc.org/2016am and fax or mail it according to instructions on the form.
  - Call +1 508.743.8506.

NOTE: AACC permits individuals age 16 and 17 with a photo ID to register for and attend the 68th AACC Annual Scientific Meeting and Clinical Lab Expo, if accompanied by a registered adult. Children under 16 are not permitted on the exhibit floor or in the educational sessions at any time.
AACC’s access Program is a way for you to give back to the clinical chemistry profession. Initiatives such as international travel, student travel and membership grants support and encourage emerging laboratory scientists to excel in their profession and contribute to excellence in laboratory medicine. These grants bring laboratory from all over the world to the AACC Annual Scientific Meeting, allowing them to network with other colleagues, attend cutting-edge scientific sessions and tour the AACC Clinical Lab Expo.

As one past international travel grantee describes her experience:

“It was a great challenge for my future development as a laboratory specialist to visit this meeting. I acquired new ideas for diagnostics, learned new basic guidelines for quality assurance in the laboratory and created friendships with many colleagues.”

- Dr. Rozaliya Todorova

DONATE TODAY. HERE’S HOW:
• Go to www.aacc.org/about-aacc/access/contribute
• Call Stefanie Kleinman at +1 800.892.1400, ext. 1712, or at +1 202.835.8712
• Email Stefanie Kleinman at skleinman@aacc.org

THANK YOU TO ALL OUR DONORS WHO MADE OUR GOOD WORKS POSSIBLE THIS YEAR. A LIST OF RECENT DONORS IS FOUND AT WWW.AACC.ORG/ABOUT-AACC/ACCESS/DONORS.


Access the full potential of your lab

AACC’s new Institutional Subscription provides access to AACC’s library of Online Certificate Programs for your organization at special institutional rates.

AACC Online Certificate Programs offer:
• Expanded skills with expertise from industry leaders
• Convenience with self-paced training
• A wealth of CE credit

Visit www.aacc.org/InstitutionalCP or call +1 (202) 835-8747 for details.

AACC | Better health through laboratory medicine.
<table>
<thead>
<tr>
<th>Hotel</th>
<th>Address</th>
<th>Fitness Center</th>
<th>Pool</th>
<th>Restaurant</th>
<th>Room Service</th>
<th>Distance to Convention Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courtyard Philadelphia Downtown</td>
<td>21 North Juniper Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.80 Miles</td>
</tr>
<tr>
<td>Crowne Plaza Philadelphia West</td>
<td>4010 City Avenue</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>7 Miles</td>
</tr>
<tr>
<td>DoubleTree by Hilton Philadelphia</td>
<td>237 South Broad Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.90 Miles</td>
</tr>
<tr>
<td>Embassy Suites Philadelphia Center City</td>
<td>1776 Benjamin Franklin Parkway</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.86 Miles</td>
</tr>
<tr>
<td>Four Points by Sheraton City Center Hotel</td>
<td>1201 Race Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.20 Miles</td>
</tr>
<tr>
<td>Hampton Inn Philadelphia Convention Center</td>
<td>1301 Race Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.10 Miles</td>
</tr>
<tr>
<td>Hilton Garden Inn Philadelphia Center City</td>
<td>1100 Arch Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.10 Miles</td>
</tr>
<tr>
<td>Hilton Philadelphia at Penn's Landing</td>
<td>201 S. Christopher Columbus Boulevard</td>
<td>✚ ✚ ✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1 Mile</td>
</tr>
<tr>
<td>Holiday Inn Express Midtown</td>
<td>1305 Walnut Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.95 Miles</td>
</tr>
<tr>
<td>Home2 Suites by Hilton Philadelphia</td>
<td>1200 Arch Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.10 Miles</td>
</tr>
<tr>
<td>Homewood Suites by Hilton University City</td>
<td>4109 Walnut Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>3 Miles</td>
</tr>
<tr>
<td>Hotel Monaco Philadelphia</td>
<td>433 Chestnut Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1 Mile</td>
</tr>
<tr>
<td>Hyatt at The Bellevue</td>
<td>200 South Broad Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.90 Miles</td>
</tr>
<tr>
<td>Le Meridien Philadelphia Hotel</td>
<td>1421 Arch Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>10 Miles</td>
</tr>
<tr>
<td>Loews Philadelphia</td>
<td>1200 Market Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.10 Miles</td>
</tr>
<tr>
<td>Philadelphia Marriott Downtown - Co-Headquarters hotel</td>
<td>1201 Market Street</td>
<td>✚ ✚ ✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.01 Miles</td>
</tr>
<tr>
<td>Radisson Blu Warwick</td>
<td>220 South 17th Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1 Mile</td>
</tr>
<tr>
<td>Residence Inn Philadelphia Center City</td>
<td>1 East Penn Square</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.30 Miles</td>
</tr>
<tr>
<td>Ritz-Carlton Philadelphia</td>
<td>10 Avenue of Arts</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.85 Miles</td>
</tr>
<tr>
<td>Sheraton Philadelphia Downtown Hotel - Co-Headquarters hotel</td>
<td>201 North 17th Street</td>
<td>✚ ✚ ✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.70 Miles</td>
</tr>
<tr>
<td>Sheraton Philadelphia Society Hill</td>
<td>1 Dock Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1.13 Miles</td>
</tr>
<tr>
<td>Sheraton Philadelphia University Hotel</td>
<td>3549 Chestnut Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>2 Miles</td>
</tr>
<tr>
<td>Sofitel Philadelphia</td>
<td>120 South 17th Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.75 Miles</td>
</tr>
<tr>
<td>Sonesta Hotel Philadelphia</td>
<td>1800 Market Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1 Mile</td>
</tr>
<tr>
<td>The Inn at Penn, a Hilton Hotel</td>
<td>3600 Sansom Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>2 Miles</td>
</tr>
<tr>
<td>The Logan</td>
<td>One Logan Square</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.90 Miles</td>
</tr>
<tr>
<td>The Windsor Suites</td>
<td>1700 Benjamin Franklin Parkway</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>.30 Miles</td>
</tr>
<tr>
<td>Westin Philadelphia</td>
<td>99 South 17th Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>1 Mile</td>
</tr>
<tr>
<td>Wyndham Philadelphia Historic District</td>
<td>400 Arch Street</td>
<td>✚ ✚</td>
<td></td>
<td></td>
<td></td>
<td>0.75 Miles</td>
</tr>
</tbody>
</table>

All hotels have high-speed internet available, and are non-smoking properties. Hotel tax rate is 15.5%.
1. Courtyard Philadelphia Downtown
2. Crowne Plaza Philadelphia West
3. DoubleTree by Hilton Philadelphia
4. Embassy Suites Philadelphia Center City
5. Four Points by Sheraton City Center Hotel
6. Hampton Inn Philadelphia Convention Center
7. Hilton Garden Inn Philadelphia Center City
8. Hilton Philadelphia at Penn’s Landing
9. Holiday Inn Express Midtown
10. Home2 Suites by Hilton Philadelphia
11. Homewood Suites by Hilton University City
12. Hotel Monaco Philadelphia
13. Hyatt at the Bellevue
14. Le Meridien Philadelphia Hotel
15. Loews Philadelphia
16. Philadelphia Marriott Downtown - Co-Headquarters hotel
17. Radisson Blu Warwick
18. Residence Inn Philadelphia Center City
19. Ritz Carlton Philadelphia
20. Sheraton Philadelphia Downtown Hotel - Co-Headquarters hotel
21. Sheraton Philadelphia Society Hill
22. Sheraton Philadelphia University City Hotel
23. Sofitel Philadelphia
24. Sonesta Hotel Philadelphia
25. The Inn at Penn, a Hilton Hotel
26. The Logan
27. The Windsor Suites
28. Westin Philadelphia
29. Wyndham Philadelphia Historic District
REGISTRATION HOURS
Saturday, July 30  2:00pm - 5:00pm
Sunday, July 31  8:00am - 6:30pm
Monday, August 1  7:00am - 5:00pm
Tuesday, August 2  7:00am - 5:00pm
Wednesday, August 3  7:00am - 5:00pm
Thursday, August 4  8:00am - 1:00pm

Registration will be located in Grand Hall Lobby of the Pennsylvania Convention Center.

ACTIVITY LOCATIONS
Pennsylvania Convention Center
AACC Annual Scientific Meeting participants will have an opportunity to attend more than 350 educational presentations featuring the latest innovative research. Whether you’re interested in genomic medicine, genome sequencing, lab management, mass spectrometry, testing for chronic diseases, or IQCP issues, among many other topics, the AACC Annual Scientific Meeting has something for every attendee.

Philadelphia Marriott Downtown – Co-Headquarters Hotel
• AACC Governance Meetings
• Industry Workshops
• Affiliated Organization Meetings
• SYCL Networking Reception
• AACC Community Opening Mixer

Sheraton Philadelphia Downtown – Co-Headquarters Hotel
• AACC Governance Meetings
• Industry Workshops
• Affiliated Organization Meetings

TRAVEL AND TRANSPORTATION
Use these travel resources to book your flights, or rent a car and travel around Philadelphia. One call, email or web visit is all it takes. Special discounts, internet fares and specials on several airlines and car rentals are available to you.

Globetrotter’s—AACC’s Official Travel Agency
Take advantage of special airline and car rental rates. Reserve through AACC’s official travel desk to make your arrangements.

AIRFARE
Call +1 888.466.2967  Press 1 for reservations
Visit the travel website at globetrottermgmt.com/aacc
Email requests to aacc@globetrottermgmt.com

GETTING TO SESSIONS AND THE CLINICAL LAB EXPO
AACC Shuttle Service
Complimentary shuttle service between most of the official AACC hotels and Pennsylvania Convention Center runs from 2:00pm on Saturday, July 30, 2016 through the afternoon on Thursday, August 4, 2016. Shuttle schedules and additional information will be available at your hotel and at the Convention Center.
SPECIAL NOTES FOR INTERNATIONAL ATTENDEES

Apply for Your Visa
Visa processing may require up to several months. If you need a visa, you should apply for it as soon as possible. If your local Consular office requires a Letter of Invitation, please visit our website at www.aacc.org/meetings-and-events/international-travelers-assistance.com.

Get Onsite Assistance to Improve Your Conference Experience
Be sure to visit the International Trade Center at the conference. Specialists can help you identify product manufacturers who are interested in working with international customers.

HOUSING INFORMATION

Book Your Hotel at AACC Discounted Rates
AACC has negotiated special rates at leading hotels. AACC Housing Services is the official and only housing service provider authorized by AACC. Please be aware, there are other companies who may try to solicit your business and imply that they are presenting AACC. No one from AACC will solicit you or call you regarding making hotel reservations. AACC will not be able to help you should you book outside the housing block while using another company or service. AACC will also provide complimentary shuttle bus service from most of the official hotels to the Pennsylvania Convention Center during shuttle bus hours.

A portion of your hotel room rate is used to cover association costs for housing and shuttle buses.

HOUSING RESERVATION DEADLINE: JULY 6, 2016

After this date, every effort will be made to accommodate your request, subject to availability and rate request.

• Choose your hotel. A full list of preferred hotels are listed on page 66. Rooms are assigned in the order in which reservations are received. If your first or second choice is unavailable, you will be assigned a room in a comparable hotel.

• Guarantee your hotel reservation. Hotel reservations must be guaranteed by a major credit card. A deposit equal to one night’s room rate (plus tax) will be charged to your credit card on (or after) June 3, 2016.

• Confirm your hotel reservation. A written confirmation will be faxed, mailed or emailed the next business day after payment is received. Changes and cancellations should be made through the AACC Housing Service no later than July 6, 2016. If you change your reservation after July 6, 2016, please refer to your confirmation for specifics on your hotel’s change and cancellation policies. Changes may be subject to hotel availability.

• Early departure fees. Many hotels charge a fee for an early departure. To avoid this charge, please verify your date of departure at the time you check-in.

TO MAKE HOTEL RESERVATIONS

PHONE
+1 866.871.5083 (in the U.S.) or +1 703.449.6418 (international)

MAIL
AACC Housing Services
11208 Waples Mill Road
Suite 112
Fairfax, VA 22030, USA

FAX
+1 703.631.1167

ONLINE
www.aacc.org/2016am
Three Great Reasons You Should Join AACC Today—and Take Your Leadership, Knowledge and Expertise to the Next Level:

#1
AACC ARTERY
Online global community, for members only

#2
CLINICAL CHEMISTRY
Leading peer-reviewed journal

#3
AACC ANNUAL SCIENTIFIC MEETING & CLINICAL LAB EXPO
World’s largest gathering for laboratory medicine

As the leading organization exploring all aspects of clinical laboratory medicine, AACC membership meets your needs — whatever your current workplace, specialty or experience.

Join Today.

View all the benefits of AACC membership and join today at: www.aacc.org/membership

*Professional, Transitional and Trainee members receive Clinical Chemistry.
A. MEMBER 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 __________
Home Phone ____________________________
Fax ___________________  
Business Phone ____________________________
Office Phone ____________________________
Email 1 ____________________________ Email 2 ____________________________
Home Phone ____________________________
Fax ___________________  
Business Phone ____________________________
Office Phone ____________________________
Email 1 ____________________________ Email 2 ____________________________
City __________________ State/Province ___ Zip/Postal Code __________ Country __________
Home Address ____________________________
City __________________ State/Province ___ Zip/Postal Code __________ Country __________
Home Phone ____________________________
Fax ___________________  
Business Phone ____________________________
Office Phone ____________________________
Email 1 ____________________________ Email 2 ____________________________
Gender □ Male □ Female Degrees Held Certification ____________________________

I prefer to receive AACC mail at _______ [Home] [Business] _______

In the AACC Membership Directory, list this address (check one) _______ [Home] [Business] _______.

You will be automatically enrolled to receive mail and email based on AACC’s standard privacy options. To view the AACC privacy policy and to modify your communication preferences, when you receive your receipt, login to www.aacc.org.

B. SELECT YOUR MEMBERSHIP CATEGORY

☐ Professional (461) .................................................................................................................. $227

Individuals who have earned a baccalaureate or higher degree in science or medicine or the academic equivalent, and are engaged in professional activities commonly associated with the practice of clinical chemistry and laboratory medicine. Professional Members shall have the right to vote, make nominations, hold elected office, serve on committees, and receive a subscription to Clinical Chemistry.

☐ Professional Affiliate (97) ................................................................................................... $134

Individuals who have an interest in the field of clinical chemistry and laboratory medicine. This membership is geared towards ongoing educational, career and networking opportunities. Professional Affiliate Members do not receive Clinical Chemistry.

☐ Transitional (9626) ........................................................................................................... $76

Individuals who are new members or are AACC Transient Members who have completed undergraduate, graduate, or post-graduate study within the last 24 months, may be admitted as Transitional Members for a period of two years. Transitional Members shall have the right to vote, make nominations, hold elected office, serve on committees, and receive a subscription to Clinical Chemistry.

☐ Trainee (89) ................................................................................................................... $37

Individuals who are engaged in full time undergraduate, graduate, or post-graduate study. “Full time” is to represent any combination of course work, teaching and/or research assistantships or fellowships that the respective institution considers a full-time load. Trainees are entitled to all member benefits except voting privileges, and the opportunity to hold Association office. Trainees must send in proof of current academic status.

Total Membership Dues ................................................................................................. $_____

C. SUBSCRIPTION OPTIONS

Professional and Transitional Members only:* How would you like to receive your subscription to Clinical Chemistry?
☐ Online & Print ☐ Online only

D. JOIN AACC DIVISIONS FOR SPECIALIZED INFORMATION

Customize your Membership. JOIN one or more Divisions. For more information on AACC Divisions visit www.aacc.org/community/divisions.

☐ Animal Clinical Chemistry (129) .......................................................................................... ($25) $_____

☐ Biomarkers of Acute Cardiovascular Diseases (7328) .......................................................... ($20) $_____

☐ Clinical Diagnostic Immunology (133) .................................................................................... ($15) $_____

☐ Clinical Translational Science (5713) ...................................................................................... ($20) $_____

☐ Critical and Point-of-Care Testing (2051) .............................................................................. ($20) $_____

☐ Endocrinology (8698) .......................................................................................................... ($20) $_____

☐ History of Clinical Chemistry (132) ....................................................................................... ($20) $_____

☐ Industry (134) ..................................................................................................................... ($25) $_____

☐ Informatics (136) .................................................................................................................. ($15) $_____

☐ Lipoproteins and Vascular Diseases (135) .............................................................................. ($20) $_____

☐ Management Sciences and Patient Safety (137) .................................................................... ($15) $_____

☐ Mass Spectrometry and Separation Sciences (9625) ............................................................ ($20) $_____

☐ Molecular Pathology (138) .................................................................................................... ($15) $_____

☐ Nutrition (142) ................................................................................................................... ($15) $_____

☐ Pediatric and Maternal-Fetal (139) ....................................................................................... ($20) $_____

☐ Personalized Medicine (7327) ............................................................................................. ($20) $_____

☐ Proteomics and Metabolomics (3244) .................................................................................. ($15) $_____

☐ Therapeutic Drug Management and Toxicology (141) .......................................................... ($15) $_____

Total Division Dues .................................................................................................................. $_____

TOTAL AMOUNT ENCLOSED .................................................................................................. $_____

Include membership category, division(s), subscriptions and postage (if applicable)

E. CHOOSE YOUR PREFERRED PAYMENT METHOD

☐ My check is enclosed, payable in U.S. dollars to AACC.
☐ Please charge my credit card ☐ American Express  ☐ MasterCard  ☐ Visa

Expiration Date _______ / _______

Authorized Signature ____________________________

F. AUTOMATIC RENEWAL PLAN

☐ I authorize AACC to annually charge my credit card to renew my AACC Membership, and if applicable, local section, division and NACB dues, subscriptions and postage options at the rate(s) in effect for the year of renewal.

Authorized Signature ____________________________

If you check the automatic renewal box, AACC will:
1. Notify you in advance of the date and the amount your credit card will be charged.
2. Contact you via email if your credit card has expired or if any difficulties are experienced during processing.
3. Send you a receipt via email once your credit card is charged.

You may cancel your automatic renewal at any time by contacting Customer Service at custserv@aacc.org or 1.800.892.1400 or 202.857.0717 or by mail to AACC Customer Service, P.O. Box 759230, Baltimore, MD 21275-9230.

Did a member refer you to AACC? If so, please tell us who so we can thank them.

Sponsoring Member’s Name and Customer # ____________________________

SEND COMPLETED APPLICATION AND PAYMENT TO:

AACC
PO. Box 759230
Baltimore, MD 21275-9230

Phone: 800.892.1400 (press 2) or 202.857.0717
Fax: 202.887.5093
Email: custserv@aacc.org

JOIN ONLINE AT WWW.AACC.ORG

* Not applicable for Professional Affiliate members
The highly evolved senses of a hunter.

With true sample-to-result automation, adaptable workflow options and assays using proven TMA technology, the Panther system was built for maximum efficiency.

The Aptima HIV-1 Quant assay is not available for sale in the U.S.
JOIN THE VISIONARIES
FEATURING AN EXCEPTIONAL PLENARY SESSION LINEUP

68th AACC Annual Scientific Meeting & Clinical Lab Expo

LIAISON®

Broadest Fully Automated Infectious Disease Menu

Streamline Your Laboratory Process

Improve efficiency in your laboratory by consolidating the broadest fully automated menu for infectious disease testing on the LIAISON® XL Analyzer.

MMRV EBV Panel ToRCH Treponema Borrelia Burgdorferi

DiaSorin The Diagnostic Specialist

Visit us at AACC Booth #127

For more information on DiaSorin products, email info@diasorin.com or call 1-800-328-1482
DiaSorin Inc. | www.diasorin.com