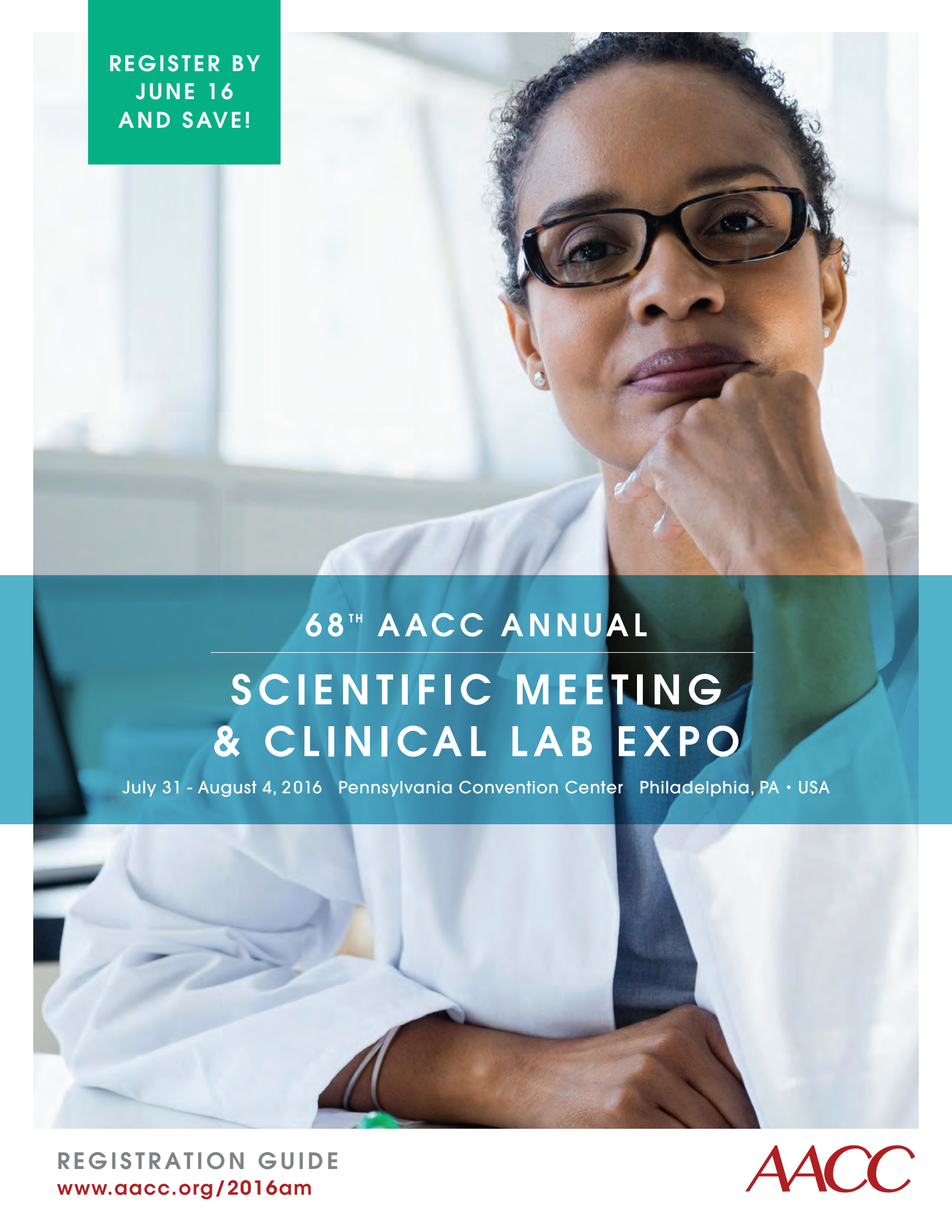




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68TH AACC ANNUAL
SCIENTIFIC MEETING
& CLINICAL LAB EXPO

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

REGISTRATION GUIDE
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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.

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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.

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73 SESSIONS

155+ SPEAKERS

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ONE INCLUSIVE PRICE

REGISTER BY
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750+
EXHIBITORS



IMMERSE YOURSELF IN WHAT'S NOW AND WHAT'S NEXT

68TH AACC
ANNUAL
SCIENTIFIC
MEETING &
CLINICAL LAB
EXPO

18,000
COLLEAGUES FROM
100+ COUNTRIES



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2016 SESSION DESCRIPTIONS

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 - 4:00 pm
TUESDAY, WEDNESDAY	
Morning	10:30am - Noon
Afternoon	2:30pm - 5:00pm
THURSDAY	
Morning	10:30am - Noon

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.

T 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. **PLEASE NOTE: No meals are provided; please purchase food in the Convention Center.**

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.

2016 SESSION DESCRIPTIONS

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



68

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INFORMATION, VISIT
WWW.AACC.ORG/2016AM

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. Those distinguished posters display the NACB Distinguished Abstract ribbon. Additionally, most AACC Divisions also recognize outstanding abstracts for their own awards. These outstanding abstracts will also be designated with special ribbons.

Poster Session Times

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

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:

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.

T 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™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

AACC also designates live activities for ACCENT® 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™* and ACCENT® 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® credit only.

Eligibility to Earn Continuing Education Credit

To be eligible to earn *AMA PRA Category 1 Credit™* or ACCENT® 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® "credit" equals one P.A.C.E.® "contact hour."

Detailed instructions about how to claim Continuing Education credit will be provided on-site at the 68th AACC Annual Scientific Meeting & Clinical Lab Expo.

2016 ANNUAL MEETING ORGANIZING COMMITTEE



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School of Medicine
Baltimore, MD

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ARUP Laboratories
Salt Lake City, UT

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Prince of Wales Hospital
Shatin, Hong Kong

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at San Francisco
San Francisco, CA

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Brigham and Women's
Boston, MA

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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

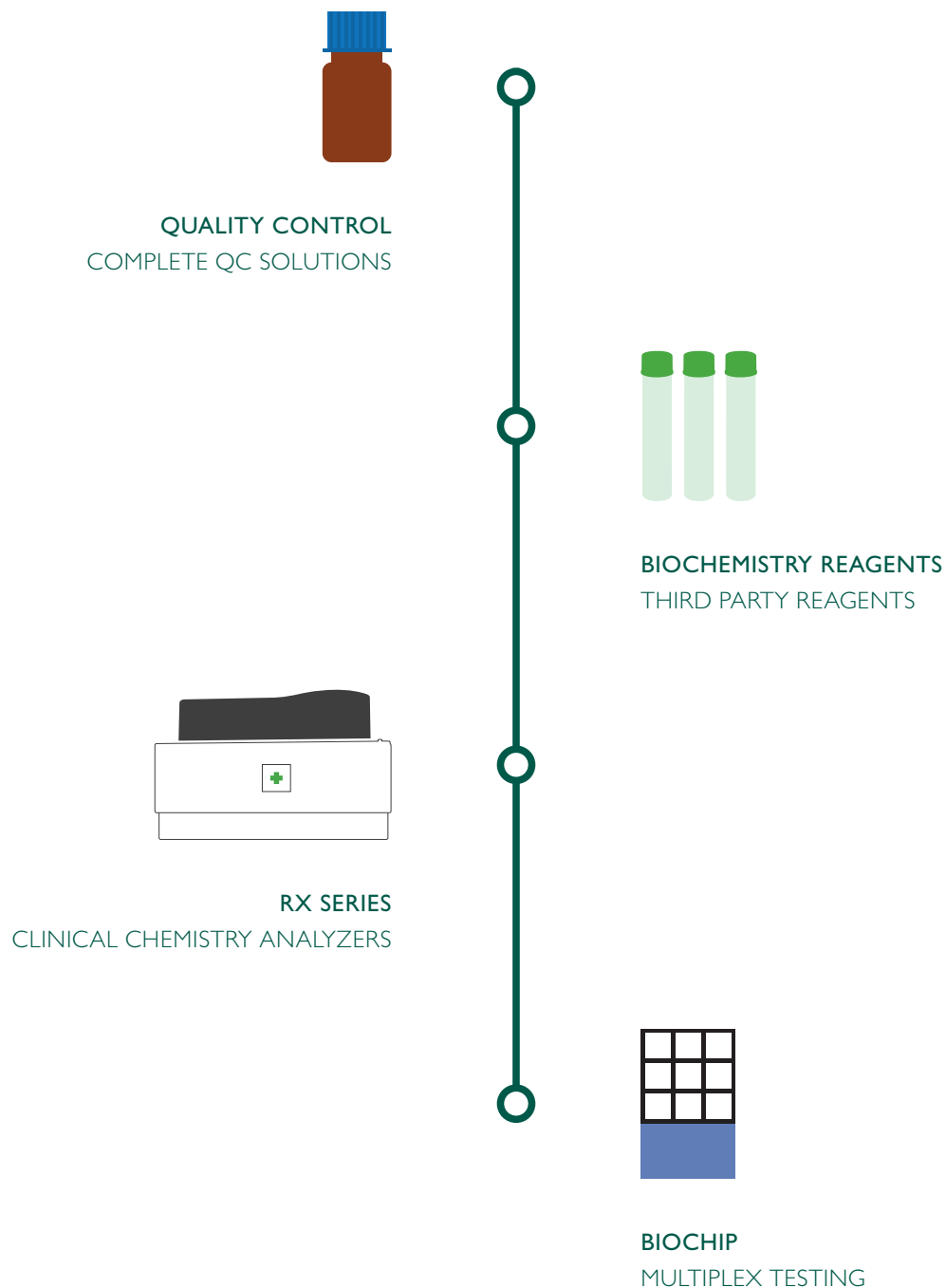
BROWN BAGS

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
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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.

EXPO HOURS

Tuesday, August 2
9:30am - 5:00pm

Wednesday, August 3
9:30am - 5:00pm

Thursday, August 4
9:30am - 1:00pm

- 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

CLINICAL LAB EXPO EXHIBITORS

As of March 16, 2016

A			
AACC	Arista Biologicals Inc.	BioDot, Inc.	Capralogics Inc.
AACC New Membership	ARK Diagnostics, Inc.	BIOERIX	Capricorn Products LLC
Aalto Scientific, Ltd.	ARKRAY, Inc.	BioFire Diagnostics, LLC	CARE diagnostica International
Abbott	Arlington Scientific Inc.	Biofortuna Ltd.	CarePoint Solutions, Inc.
Abingdon Health	Artel	Biokit	Carolina Liquid Chemistries
Accel Biotech, Inc.	Artron BioResearch Inc.	Bioline USA	Cayman Chemical Company
Access Bio, Inc.	ARUP Laboratories	BIOLYPH, LLC	Cedarlane
Access Biologicals, LLC	Asahi Kasei Fibers Corporation	Biomatrica, Inc.	CellaVision AB
Accriva Diagnostics	ASCO Numatics	BioMedica Diagnostics Inc.	Centers for Medicare & Medicaid Services
AccuBioTech Co., Ltd.	ASP Lab Automation AG	bioMerieux, Inc.	Cepheid
Acon Laboratories, Inc.	Associates of Cape Cod, Inc.	Bioneer Corporation	Cerilliant
Addcare Biotech Co., Ltd.	Athens Research & Technology	Bio-Rad Laboratories	Cerner Corporation
Adhesives Research, Inc.	Atlas Genetics	BioreclamationIVT	CERTEST BIOTEC S.L.
AdvaMedDx	Audit MicroControls, Inc.	BIOREF GmbH	ChemBio Diagnostic Systems, Inc.
Advanced Instruments, Inc.	Auer Precision Co.	Bioresource Technology, Inc. (US)	Chemelex, SA
Advanced Microdevices Pvt. Ltd.	Aurora Biomed	Bioscience (Tianjin) Diagnostic Technology Co., Ltd.	Chetu, Inc.
Aeon Clinical Laboratories	AusBio Laboratories Co. Ltd.	Biosino Bio-Technology & Science Inc.	Chongqing Tianhai Medical Equipment Co.
Aesku Diagnostics	Autobio Diagnostics Co., Ltd.	BiosPacific	Chroma Technology Corp.
Agappe Diagnostics Switzerland GmbH	AutoGenomics	Biosurfit SA	Chromsystems GmbH
Agena Bioscience	AVE Science & Technology Co., Ltd.	Biosystems S.A.	CKD USA Corp.
Agilent Technologies, Inc.	Awareness Technology, Inc.	Biotage	Cleveland Clinic Laboratories
Ahlstrom Filtration LLC	AWESome Numbers Inc.	biotechnrabbit GmbH	Clinical and Laboratory Standards Inst.
Ahram Biosystems, Inc.	AWEX	Biotron Diagnostics Inc.	Clinical Lab Products
ALCOR Scientific Inc.	Axxin	BIT Group	Clinical Omics
Alere	B	Block Scientific	CLINIQ A Corporation
Alere Latin America	B&E Scientific Inc.	Boditech Med, Inc.	CLTech Corp.
Alere Toxicology	Bangs Laboratories/Polysciences	Bomi Group	Cognex Corporation
Alexion Pharmaceuticals, Inc.	BBI Solutions	Boule Medical AB	COLA
Alfa Scientific Designs, Inc.	BD	Bovogen Biologicals	College of American Pathologists
ALIFAX S.r.l.	Beckman Coulter Life Sciences	BrandTech Scientific	CompuGroup Medical
ALPCO	Beckman Coulter, Inc.	Brandwidth Solutions	Conductive Technology
American Proficiency Institute	Beijing ACCB Biotech Ltd.	Broad (Shanghai) Exhibition Business Co., Ltd.	Cone Bioproducts
American Society for Clinical Laboratory Science (ASCLS)	Beijing DDM Technology Co., Ltd	BUHLMANN Laboratories AG	Conworx Data Solutions America, Inc.
AMP, Association for Molecular Pathology	Beijing Golden Bridge Technology	Burkert Fluid Control Systems	Copan Diagnostics, Inc.
Amplycell	Beijing Hotgen BiotechCo., Ltd	Byline Financial Group	Core Technology Co., Ltd.
Anaerobe Systems	Beijing iCell Medical Science & Technology Co., Ltd.	Byron-Diagnostics (Shanghai) Co., Ltd.	Coretests Inc.
ANALIS s.a.	Beijing Strong Biotechnologies, Inc.	C	Coris Bioconcept
Analyticon Biotechnologies AG	Beijing Unidiag Technology Co., Ltd.	C & A Scientific Co., Inc.	Coyote Bioscience
Ansh Labs, LLC	Beijing ZONCI Technology Development Co., Ltd.	CalBioreagents	CTK Biotech, Inc.
Anteo Technologies Pty Ltd.	BioAssay Works, LLC	Calbiotech, Inc.	Curetis AG
Applied Biocode, Inc.	Bio-Chem Fluidics Inc.	Calzyme Laboratories, Inc.	D
APTEC Diagnostics NV	BIOCLIN	Cambridge Consultants	DAAN Gene Co., Ltd. of Sun Yat-sen University
Arc-Tronics, Inc.		Canon BioMedical	Data Innovations LLC
Aries Filterworks		CapitalBio Corporation	

CLINICAL LAB EXPO EXHIBITORS

DCN Diagnostics, Inc.	Envigo Bioproducts, Inc.	Guangzhou Improve Medical Instruments	Iline Microsystems
Delta ModTech	Enzo Life Sciences	GUANGZHOU KOFA BIOTECHNOLOGY CO. LTD.	imec
Denka Seiken Co., Ltd.	Enzyme Research Laboratories, Inc.	Guilin Royalyze Medical Instrument Co. LTD	Immucor, Inc.
DenLine Uniforms, Inc.	Eppendorf North America	GVS North America	Immundiagnostik AG
Desert Biologicals/Omega Biologicals	Equitech-Bio, Inc.		Immuno Concepts
Dexter Magnetic Technologies	Era Biology		Immunodiagnostic Systems
DFI Co., Ltd.	ERBA Diagnostics	H	Immunology Consultants Laboratory, Inc.
DIAGAM	Eurofins Genomics	Haemonetics Corporation	ImmunoReagents, Inc.
DiagCor Bioscience Incorporation Limited	Euroimmun US	Hamilton Company	IMRA America Inc.
Diagnostica Stago, Inc.	Eurospital	Hangzhou Biotest Biotech Co., Ltd.	in.vent Diagnostica GmbH
Diagnostics Biochem Canada Inc.	Eurotrol, Inc.	Hangzhou Clongene Biotech Co., Ltd.	InBios International, Inc.
DiagnostikNet-BB e.V.	Evergreen Scientific	Hangzhou Deangel Biological Engineering Co., Ltd.	Innova Biosciences
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Diamond Diagnostics Inc.	Express Diagnostics	Healgen Scientific LLC	Innovize
DIARECT AG	F	Health Gene Technologies Ltd.	Inova Diagnostics, Inc.
DiaSorin Inc.	Fabrico Medical	Hebei Bio-High Technology Deve Co., Ltd.	Instrumentation Laboratory (IL)
DIAsource Immuno Assays S.A.	Fapon Biotech Inc.	Helena Laboratories Corporation	InTec PRODUCTS, Inc.
DiaSys Diagnostic Systems GmbH	Fapon Capital	Helmer Scientific	Integra Biosciences (ViaFlo)
Diatron	Festo Corporation	Hemosure / WHPM	Intrinsic LifeSciences
Diazyme Laboratories	Fio Corporation	Hettich	Invetech
DIBA Industries, Inc.	Fitzgerald Industries Int'l	HiberGene Diagnostics Ltd.	Iridian Spectral Technologies
Diener Precision Pumps LP	Fluid Metering, Inc.	High Technology, Inc.	it4ip s.a.
DIESSE Diagnostica Senese S.p.A	Focus Diagnostics, Inc.	Hipro Biotechnology Co., Ltd.	ITL Corporation
Dignity Health	Foliage	Hitachi Aloka Medical	ITO CORPORATION
Dirui Industrial Co., LTD	Fooke Laboratorien GmbH	Hitachi Chemical Diagnostics	IVD Industry Connectivity Consortium
DLD Diagnostika GmbH	Fujirebio	Hochuen International Corp	IVD Technologies
Douglas Scientific	G	Hologic, Inc.	Iwaki America Inc.
DPX Labs	GA Generic Assays GmbH	Holomic LLC	J
DRG International, Inc.	GE Healthcare	Hoover Precision Products, LLC	J. Mitra & Co. Pvt. Ltd.
Drucker Diagnostics	Gems Sensors & Controls	HORIBA Medical	Jackson ImmunoResearch Laboratories
Drummond Scientific Co.	General Biologicals Corp.	HTL-Strefa Inc.	JADAK
DST Diagnostische Systeme & Technologien GmbH	GenMark Diagnostics, Inc.	Humasis Co., Ltd.	Jiangsu ZECEN Biotech Co., Ltd.
D-tec s.a.	Genolution	HyTest	JSR Life Sciences
Dynamiker Biotechnology (Tianjin) Co., Ltd.	GenomeWeb LLC	I	K
Dynex Technologies Inc.	GenPrime Inc.	I.W. Tremont	Kamiya Biomedical Company
E	GenWay Biotech, Inc.	i2a (Intelligence artificielle applications)	KANGJIAN MEDICAL
EastCoast Bio, Inc.	Getein Biotech, Inc.	IBL-America	Kem-En-Tec Diagnostics
Edan Instruments, Inc.	Globe Scientific Inc.	Icosagen AS	Kestrel Biosciences LLC
EKF Diagnostics Inc.	Gold Standard Diagnostics	IDEX Health & Science	Kewaunee Scientific Corporation
ELGA Labwater	Golden West Biologicals, Inc.	IDG Sanzay Corp	Key Tech
Elite Medical (Nanjing) Co., Ltd.	GoldMag Nanobiotech	IDS Co, LTD	Kikkoman Biochemifa Company
ELITech Group	GREEN CROSS MEDICAL SCIENCE	IFCC International Federation of Clinical Chemistry and Laboratory Medicine	Kinematic Automation Inc.
EMD Millipore	Greiner Bio-One, Inc.		KMC Systems Inc.
Enigma Diagnostics	Grenova, LLC		KNF Neuberger Inc.
	Grifols		KogeneBiotech Co., Ltd.
	GSI Technologies		

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Kova International, Inc.
KRONUS, Inc.

L

LabMedica International
Labor Diagnostika Nord GmbH & Co. KG
LabProducts, Inc.
Labroots, Inc.
LACAR Mdx
Lampire Biological Laboratories, Inc.
Landwind Medical
LasX /MicroMed Solutions
Lathrop Engineering Inc.
LeukoDx
Leuze electronic, Inc.
LGC Biosearch Technologies
LGP Consulting, Inc.
LifeHealth, LLC
Liferiver Bio-Tech (United States) Corp.
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 Medience 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
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Medical Device Safety Service GmbH
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Medical Laboratory Evaluation
Medical Research Network Ltd.
Medix Biochemica
MedMira Inc.
MedTest
MEDTOX Diagnostics, Inc.
Meizhou Cornely Hi-Tech Co., Ltd.
Meridian Bioscience, Inc.
Meridian Life Science, Inc.
MetaSystems Group, Inc.
Michigan Diagnostics, LLC
Microbiomed 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.
Natech Plastics, Inc.
National Institute of Standards and Technology (NIST)
Neogen Corporation
New England Small Tube
NewScen Coast Bio-Pharmaceutical Co., Ltd.

Nikon Instruments Inc.
Ningbo Medical System Biotechnology, Co., Ltd.
Ningbo Purebio Biotechnology Co., Ltd.
Ningbo Topscien Instrument Co., LTD
Nittobo America Inc.
NOEMALIFE SpA
NOF America Corporation
Nor-Lake Scientific
Nova Biologics, Inc.
Nova Biomedical Corporation
Novatec Immundiagnostica GmbH
Novodiox, Inc.
NSK Americas
Nuaire, Inc
Nuclea Biotechnologies, LLC
Nupore Filtration Systems Pvt. Ltd.
NVIGEN, Inc.

O

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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, Inc.
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
Percorso 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
Quanterix Corporation
Quantimetrix Corporation
Quest Diagnostics
QuickPouch

R

Radiometer
Randox Biosciences
Randox Laboratories
RayBiotech Inc
Rayto Life & Analytical Sciences Co, Ltd.
R-Biopharm
Rees Scientific Corp
ReLIA Diagnostics Systems
Repado
Resonetics, Inc.
Response Point of Care

CLINICAL LAB EXPO EXHIBITORS

Retractable Technologies, Inc.
Rheomics
Rheonix, Inc.
Rithum Automaton LLC
RND Group, Inc., The
Roche
Roche Diagnostics
Rockland Immunochemicals Inc.
Rotek Industries
RR Mechatronics

S

SA Scientific LTD
Sansure Biotech, Inc.
Sarstedt, Inc.
Sartorius Stedim Biotech
Savyon Diagnostics
Scantibodies Laboratory Inc.
SCC Soft Computer
SCIENION US, Inc.
Scientific Systems, Inc.
SCIEX
Scimedx Corporation
Scripps Laboratories
SDIX, LLC
Sebia, Inc.
Seegene, Inc.
Sekisui Diagnostics LLC
Selective Micro Technologies LLC
SelectScience Ltd.
Seracare Life Sciences, Inc.
Seramun Diagnostica GmbH
Shanghai Chemtron Biotech Co., Ltd.
Shanghai Fosun Long March Medical Science Co. Ltd.
Shanghai Kehua Bioengineering Co., Ltd.
Shanghai Kinbio Tech. Co., Ltd.
Shanghai Rongtai Biochemical Engineering Co., LTD
Shanghai Upper Biotech Pharma Co., LTD
Shen Zhen Yi Rui Biological Technology Company China
Shenyang Academy of Instrumentation Science Co., Ltd.
Shenzhen Dymind Biotechnology Co., Ltd.

Shenzhen Genius Electronics Co., Ltd.
Shenzhen Lifotronic Technology Co., Ltd.
SHENZHEN MINDRAY BIO-MEDICAL ELECTRONICS CO., LTD.
Shenzhen Xilaiheng Medical Electronics
Shenzhen YHLO Biotech Co., Ltd.
Shimadzu Scientific Instruments, Inc.
Sias AG
Siemens Medical Solutions USA, Inc.
Sifin Diagnostics GmbH
Sigma-Aldrich
Singulex
SiO2 Medical Products
SK Telecom Co., Ltd.
SLR Research Corporation
SMC Biosolutions
SMC Corporation of America
SNIBE
SoftTech Health
Sonics & Materials, Inc
Sony DADC
Spartan Bioscience
Sparton Medical
Spectrum Diagnostics
Speedx Pty Ltd.
Spherotech, Inc.
Spinreact
Staff Icons - Clinical Scientist Recruitment Division
STRATEC Biomedical AG
Stratos Product Development
Streck, Inc.
Succeder Technology
Sun Diagnostics, LLC
Sunostik Medical Technology Co., Ltd.
Sunquest Information Systems, Inc.
SurModics IVD
Symbient Product Development
Syntron Bioresearch, Inc.
Sysmex

T

Taizhou Zenyon Medical Plastic Development Co., Ltd.
TAUNS Laboratories, Inc.
Tecan
Technidata America Medical Software
Teco Diagnostics
Tecom Science Corporation
TELCOR
Tetracore, Inc.
The Binding Site, Inc.
The Lee Company
The Technology Partnership plc
THERADIAG
Therapak Corporation
Thermo Fisher Scientific
thinXXS Microtechnology AG
Titertek-Berthold, Inc.
Tokyo Boeki Medisys, Inc.
Tosoh Bioscience
Toyobo Co., Ltd.
Translational Software
Tricontinent
Trina Bioreactives AG
Trinity Biotech
TSS Technologies
TubeWriter

U

Uniconnect
UNICO/United Products & Instruments
URIT Medical Electronic Co., Ltd.
US Scientific
Ustar Biotechnologies (Hangzhou) Ltd.
UTAK Laboratories, Inc.

V

V & P Scientific, Inc.
Valumax Protective Apparel Inc.
VEDALAB
Viewics, Inc.
Vircell S.L.
ViroStat, Inc.
Visiun
Viva Products, Inc.
Volpi USA

W

Wako Diagnostics
Waters
Waters Corporation
Web Industries, Inc.
WEIDMANN MEDICAL TECHNOLOGY AG
WesTgard QC, Inc.
WHEATON
Wheisman Medical Technology Co., Ltd.
Wi Medical Devices
Wiener Laboratorios SAIC
Wisepac Active Packaging Components Co., Ltd.
Wondfo USA
Worldwide Glass
Worthington Biochemical Corporation
WSLH PT
Wuhan Huamei Biotech Co., Ltd.
Wuxi BioHermes Bio & Medical Technology Co., Inc.

XYZ

Xemabio LLC
Xuzhou Dongjiu Electronic Technology Co., Ltd.
Yashraj Biotechnology GmbH
Yaskawa America/ Motoman Robotics Division
YD Diagnostics Corp.
Yuhuan Kang-Jia Enterprise Co., Ltd.
Zebra Technologies
Zenith Lab (Jiangsu) Co., Ltd.
Zentech
ZeptoMetrix Corporation
Zeta Corporation
Zeus Scientific
Zhejiang Gongdong Medical Technology
Zhejiang Sorfa Life Science Research Co. Ltd.
Zhongke Meiling Cryogenics Limited, Co.
Zhuhai DL Biotech Co., Ltd.

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

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

ENDOCRINOLOGY

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



Registration fees apply for each session. See page 63 for pricing.

TOPIC TRACK SESSIONS

GENOMICS

	SESSION NUMBER	DAY
Beyond Single-Gene Analysis: Paving the Way to Comprehensive Tumor Genomic Profiling	33219	Monday
Plenary Session: The Epigenetic Basis of Common Human Disease	13001	Tuesday
Meet the Expert: The Epigenetic Basis of Common Human Disease	63101	Tuesday

LIQUID BIOPSY/CIRCULATING DNA

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

MASS SPECTROMETRY

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

TOPIC TRACK SESSIONS

POINT-OF-CARE TESTING

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

PRENATAL

SESSION NUMBER DAY

 TICKET	Prenatal Screening for Down Syndrome: From Maternal Serum Screening to Cell-Free Fetal DNA Testing	42117/52217	Monday
	Oral Abstract Session: Breakthroughs in Maternal, Fetal and Pediatric Medicine	33101	Tuesday
	Precision Medicine Delivered by Advances in Circulating Cell-Free DNA Diagnostics	34212	Wednesday

TOXICOLOGY

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



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.

2016 WALLACE COULTER LECTURESHIP AWARD

PLENARY SESSION 11001

THE PROGRAMMABLE BIO-NANO-CHIP: A PLATFORM TO DIGITIZE BIOLOGY



JOHN MCDEVITT, PhD
College of Dentistry of New York University
New York, NY

SUNDAY, JULY 31 | 5:00pm - 6:30pm | LEVEL: BASIC

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.

2016 AACC AWARDS

To be presented during the Opening Plenary Session

John T. McDevitt, PhD
New York University
College of Dentistry
Wallace H. Coulter Lectureship Award

Edward R. Ashwood, MD
ARUP Laboratories and the
University of Utah
*Outstanding Lifetime Achievement
Award in Clinical Chemistry and
Laboratory Medicine*

Ann M. Gronowski, PhD
Washington University School
of Medicine
*Outstanding Contributions in
Education*

Larry A. Broussard, PhD
Louisiana State University Health
Sciences Center
*Outstanding Contributions through
Service to the Profession of Clinical
Chemistry*

Mari DeMarco, PhD
St. Paul's Hospital
*Outstanding Scientific Achievements
by a Young Investigator*

Elaine Mardis, PhD
The Genome Institute, Washington
University School of Medicine
*The Morton K. Schwartz Award for
Significant Contributions in Cancer
Research Diagnostics*

David D. Koch, PhD
Emory University and Grady
Memorial Hospital
Past President's Award

2016 NACB AWARD WINNERS

Martin Fleisher, PhD
Memorial Sloan-Kettering
Cancer Center
*AACC-NACB Award for Outstanding
Contributions to Clinical Chemistry
in a Selected Area of Research*

William Winter, MD
University of Florida
*NACB Professor Alvin Dubin Award
for Outstanding Contributions to the
Profession and the Academy*

Joe El-Khoury, PhD
Yale University
*George Grannis Award for Excellence
in Research and Scientific Publication*

Sunday | 10:30am - Noon


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

Developed in cooperation with AACC Government Relations Committee, CLSI.

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.

Sunday | 1:30am - 4:00pm



Best Practices in Continuous Laboratory Compliance

192007

Level: Intermediate

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

Developed in cooperation with Management Sciences and Patient Safety Division.

SESSION OVERVIEW

Prenalytical 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

Developed in cooperation with Critical and Point-of-Care Testing Division.

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-MS/MS
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.

PLENARY SESSION 12001

HALVING PREMATURE DEATH



SIR RICHARD PETO, MSC, FRS
University of Oxford, Oxford, United Kingdom

MONDAY, AUGUST 1 | 8:45am - 10:15am | LEVEL: BASIC

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.

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.

BROWN BAG SESSIONS

Monday | 7:30am - 8:30am & 12:30pm - 1:30pm



Brown Bag Sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
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
Testing for 1,25-dihydroxyvitamin D: New Assays, More Clinical Perspectives?	42104	52204	Intermediate	Damien Gruson, PhD 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

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
Lipoprotein-Associated Phospholipase A2: Concentration or Activity—Which to Measure?	42114	52214	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 <i>Developed in cooperation with Animal Clinical Chemistry Division.</i>	42115	52215	Basic	Susan Emeigh Hart, VMD, PhD, DACVP, DABT Boehringer Ingelheim Pharmaceuticals, Inc, Ridgefield, CT
CLIA Requirements for Validation of Laboratory Developed Tests	42116	52216	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	52217	Basic	Waddah Katrangi Mayo Clinic, Rochester, MN
Tactics for Reducing Laboratory Turnaround Times: Instrumentation, Processes, and Technology	42118	52218	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	52220	Basic	Joesph Wiencek, PhD Vanderbilt University Medical Center, Nashville, TN
The Autoimmune Response: Effective Diagnosis of Systemic Autoimmune Disorders Using Laboratory Data	42121	52221	Basic	Zahra Yi Dartmouth-Hitchcock Medical Center, Lebanon, NH
Liquid Biopsies: The Techniques and Applications	42122	52222	Intermediate	John Mills, PhD Mayo Clinic, Rochester, MN
Measurements of Total and Free Testosterone in Clinical Laboratories	42123	52223	Intermediate	Jing Cao, PhD University of Minnesota, Minneapolis, MN
An Introduction to Metabolomics for Translational and Clinical Labs	42124	52224	Basic	Lacy Moss, BS, PhD, MLS (ASCP) Wake Forest Baptist Medical Center, Winston-Salem, NC
Serum vs. Plasma: Which Specimen Should You Use?	42125	52225	Basic	Jeffrey Chance, PhD BD Life Sciences - Preanalytical Systems, Franklin Lakes, NJ
Selecting the Appropriate Samples and Diagnostic Tests for Porphyria	42126	52226	Basic	Rejwi Dahal University of Texas Medical Branch, Galveston, TX
Point-of-Care Testing and Population Health Management	42127	52227	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	52228	Basic	Karen Jenkins Emory University Hospital Midtown, Atlanta, GA
Nonfasting Lipid Profiles	42129	52229	Basic	Khushbu Patel Washington University, St. Louis, MO

Monday | 10:30am - 11:30am

Halving Premature Death

62101

Level: Basic

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

The Programmable Bio-Nano-Chip: A Platform to Digitize Biology

62102

Level: Basic

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



Taller del Programa de Países Emergentes: Verificando el desempeño de los ensayos. Pasos básicos a seguir para comprobar las especificaciones de los fabricantes en el laboratorio clínico

FECHA
1 Agosto 2016 (Lunes)

HORA
10:00-16:00

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 como 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 esta 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.

Monday | 10:30am - Noon

ORAL ABSTRACT SESSION

Hot Topics in Clinical Chemistry

32101

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 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.

New Immunotherapies: The Beginning of the End of Cancer?

32102

Level: Intermediate

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.

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

32103

Level: Advanced

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.

Using Flow Cytometry to Identify Cellular Biomarkers for Cancer Immunotherapy

32104

Level: Basic

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.

Hepatitis C Virus (HCV)—Research in Treatment and Prevention

32105

Level: Basic

SESSION OVERVIEW

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

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

SESSION OVERVIEW

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.

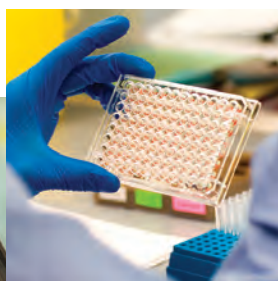
**Biomarkers of the Brain: Past Failures and
Future Promise**

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.



**FOR COMPLETE COURSE
INFORMATION, VISIT
WWW.AACC.ORG/2016AM**

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 on 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

Developed in cooperation with Endocrine Society, Clinical Societies Collaboration Committee.

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 HCV 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

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

SESSION OVERVIEW

The design and implementation of multitargeted 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.

AFTERNOON SYMPOSIA

Monday | 2:30pm - 4:00pm

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.

AFTERNOON SHORT COURSES

Monday | 2:30pm - 4:00pm

Analytical Challenges and Clinical Controversies in Body Fluid Testing

72221

Level: Basic

Developed in cooperation with National Academy of Clinical Biochemistry.

SESSION OVERVIEW

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 SHORT COURSES

AFTERNOON
SESSIONS

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.*

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

TUESDAY, AUGUST 2

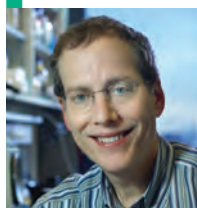
PLENARY & EDUCATION SESSIONS

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.

PLENARY SESSION 13001

**THE EPIGENETIC BASIS OF COMMON
HUMAN DISEASE**



ANDREW P. FEINBERG, MD, MPH
Johns Hopkins University, Baltimore, MD

TUESDAY, AUGUST 2 | 8:45am - 10:15am | LEVEL: BASIC

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.

**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.

BROWN BAG SESSIONS

Tuesday | 7:30am - 8:30am & 12:30pm - 1:30pm



Brown Bag Sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

TITLE	SESSION NUMBER AM	SESSION NUMBER PM	LEVEL	SPEAKERS
Value Focus: Middleware Can Be a Powerful Director's Tool	43101	53201	Intermediate	Danyel Tacker, PhD, FACB, DABCC West Virginia University, Morgantown, WV
Parathyroid Hormone Assay Challenges and Harmonization Progress	43102	53202	Intermediate	Asmita Hazra, MBBS, MD, AIIMS ND Christian Medical College Vellore India, Vellore, Tamil Nadu, India
Optimizing Accuracy and Precision for POCT in Specific Clinical Settings	43103	53203	Intermediate	Anthony Okorodudu, PhD, MBA, DABCC University of Texas Medical Branch, Galveston, TX
Therapeutic Drug Management in Pregnant Patients	43104	53204	Intermediate	Kamisha Johnson-Davis, PhD, DABCC, FACB University of Utah/ARUP Laboratories, Salt Lake City, UT
Diagnosing Diabetes with HbA1c in Sickle Cell Trait Patients	43105	53205	Intermediate	Chesinta Voma, PhD, NRCC, MT(ASCP), MT(ASCP)SC University of Louisville, Louisville, KY
Adoption Trends of Liquid Biopsy Technologies	43106	53206	Intermediate	Divyaa Ravishankar Frost & Sullivan, San Antonio, TX
How People Try to Beat Drug Testing and Defend Positive Results	43107	53207	Basic	Amitava Dasgupta, PhD, DABCC, NRCC University of Texas at Houston, Medical School, Houston, TX
Thyroglobulin and Anti-Thyroglobulin Autoantibodies Assays in the Management of Thyroid Cancer Patients: Which Assay Should I Offer?	43108	53208	Intermediate	Alicia Algeciras-Schminich, PhD, DABCC Mayo Clinic, Rochester, MN
How Statistics Influence Our Clinical Decisions	43109	53209	Basic	Oswald Sonntag, PhD Bio-Rad Laboratories, Munchen, Germany
Screening for Cancer: Recommendations and Controversies <i>Developed in cooperation with US Centers for Disease Control and Prevention (CDC).</i>	43110	53210	Intermediate	Shahram Shahangian, PhD, MS, DABCC, FACB US Centers for Disease Control and Prevention (CDC), Atlanta, GA
Smart LCMS: The Key to Worry Free Method Development and Implementation	43111	53211	Basic	Lorin Bachmann, PhD, DABCC Virginia Commonwealth University, Richmond, VA
The Test Life Cycle: A Framework for Utilizing CLSI Guidelines to Evaluate Clinical Laboratory Measurement Procedures	43112	53212	Basic	Paula Ladwig, MS, MT (ASCP) Mayo Clinic, Rochester, MN
Increasing Laboratory Efficiency Though Optimizing Dilution Workflow of Automated Analyzers	43113	53213	Basic	Sheng-Ying Lo University of Washington, Seattle, WA

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
Quality Performance Indicators: How to Use Key Processes Metrics to Add Value to the Clinical Laboratory Services Provided to Patients	43114	53214	Basic	Fernando Berlitz, MBA, MBB Grupo Ghanem, Joinville, Brazil
Utility of CSF Analysis for the Diagnosis of Traumatic Brain Injury and Neurologic Disease	43115	53215	Intermediate	Alina Sofronescu, PhD University of Nebraska Medical Center, Omaha, NE
The Art of Implementing and Maintaining LOINC and SNOMED CT in a Laboratory Setting	43116	53216	Basic	Pamela Banning, BS, MLS CM (ASCP) 3M HIS, Salt Lake City, UT
Laboratory Tests Related to Calcium and Bone Metabolism	43117	53217	Intermediate	Lu Song, PhD, DABCC UCLA Medical Center, Los Angeles, CA
Pharmacogenetics in the Clinical Laboratory: Opportunities and Challenges	43118	53218	Basic	Allison Chambliss, PhD Johns Hopkins University School of Medicine, Baltimore, MD
Hepatitis C Virus: Epidemiology, Testing and Management of Adult Patients	43119	53219	Intermediate	Annette Adelman, BS, MBA Beckman Coulter, Inc., Chaska, MN
Getting That New Job: A Guide to Applying, Interviewing and Negotiating <i>Developed in cooperation with Society for Young Clinical Laboratorians.</i>	43120	53220	Basic	Joe El-Khoury, PhD, DABCC, FACB Yale University, New Haven, CT
How to Improve Efficiency and Save on Costs Through Standardization of Blood Gas Equipment <i>Developed in cooperation with Critical and Point-of-Care Testing Division.</i>	43121	53221	Basic	Brenda Suh-Lailam, PhD, DABCC Lurie Children's Hospital of Chicago, IL
Macroenzymes: Overview and Identification	43122	53222	Basic	Jennifer Powers, PhD University Utah/ARUP Labs, Salt Lake City, UT
Case Study Based Approach of Prenatal Maternal Double Marker Screening: Save the Precious Little Foot Prints in Mother's Womb	43123	53223	Basic	Barnali Das, MD, DNB, PGDM Kokilaben Dhirubhai Ambani Hospital, Mumbai, Maharashtra, India
Laboratory Contracts and Negotiation: General Principles	43124	53224	Basic	Juan David Garcia, MBA, BSMT, MBA NYP Weill Cornell Medical Center, New York, NY
NIST Standard Reference Materials: Tools to Improve Accuracy in the Clinical Lab	43125	53225	Basic	Mary Bedner, PhD NIST, Gaithersburg, MD
Interference of Hemoglobin Variants in Cation-Exchange HPLC HbA1c Assay	43126	53226	Intermediate	Yusheng Zhu, PhD, DABCC, FACB Medical University of South Carolina, Charleston, SC
Social Media 101 for Lab Professionals: Leveraging Digital Resources and Developing Your Online IQ <i>Developed in cooperation with Society for Young Clinical Laboratorians (SYCL).</i>	43127	53227	Basic	M. Laura Parnas, PhD, DABCC Sutter Health, Livermore, CA
How Can Vendors Help POC Coordinators and How Can Coordinators Help Vendors?	43128	53228	Basic	Karen Jenkins Emory University Hospital Midtown, Atlanta, GA
Putting the Pieces Together—Lab Safety Regulations and Guidelines	43129	53229	Intermediate	Daniel Scungio, MT (ASCP), SLS, CQA (ASQ) Sentara Healthcare, Norfolk, VA
The Impact of the NGSP on HbA1c Measurement in the Clinical Laboratory	43130	53230	Intermediate	Randie Little, PhD University of Missouri at Columbia, Columbia, MO

MORNING MEET THE EXPERT

Tuesday | 10:30am - 11:30am

The Epigenetic Basis of Common Human Disease

63101

Level: Basic

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

33101

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 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"

33102

Level: Basic

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

33103

Level: Intermediate

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

33104

Level: Intermediate

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.

MORNING SHORT COURSES

Tuesday | 10:30am - Noon

Little Steps with Big Data: An Introduction to the R Programming Language: Part 1

73120

Level: Basic

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.

Laboratory Management Essentials

73121

Level: Basic

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.

AFTERNOON SYMPOSIA

Tuesday | 2:30pm - 5:00pm

Advanced Applications of Next Generation Sequencing

33210

Level: Intermediate

Developed in cooperation with Molecular Pathology Division.

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.

AFTERNOON SHORT COURSES

Tuesday | 2:30pm - 5:00pm

Diagnosing Diarrheal Disease Around the Globe

73214

Level: Intermediate

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

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

SESSION OVERVIEW

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.

Current Guidelines for Establishment and Implementation of Laboratory Developed Tests: ISO 15189, CLSI EP19-A and Practical Guidance to FDA's Quality System Regulation for Laboratory Developed Tests

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

Developed in cooperation with Informatics Division.

SESSION OVERVIEW

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 symposium 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).



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WEDNESDAY, AUGUST 3

PLENARY & EDUCATION SESSIONS

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.

PLENARY SESSION 14001

**DIRECT MASS SPECTROMETRIC PROFILING
OF BIOLOGICAL TISSUES—A NEW
PARADIGM IN HISTOLOGY**



ZOLTAN TAKATS, PHD
Imperial College London, United Kingdom

VIRGINIA LIVOLSI, MD
University of Pennsylvania Perelman
School of Medicine, Philadelphia, PA

WEDNESDAY, AUGUST 3 | 8:45am - 10:15am | LEVEL: BASIC

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.

**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.

BROWN BAG SESSIONS

Wednesday | 7:30am - 8:30am & 12:30pm - 1:30pm



Brown Bag Sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. AACC does not provide meals for these sessions. You will be able to purchase your own food in the Convention Center prior to the session.

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
Drug Interference—The Unsolved Problem	44101	54201	Basic	Oswald Sonntag, PhD Bio-Rad Laboratories, Munchen, Germany
Business Process Management: A Powerful Approach to Redesigning Processes That Create Value for Clinical Laboratories and its Patients	44102	54202	Basic	Fernando Berlitz, MBA, MBB Grupo Ghanem, Joinville, Brazil
Mass Spectrometry in the Clinical Lab: Applications for Emergency Toxicology	44103	54203	Basic	Jennifer Colby, PhD, DABCC Vanderbilt University, Nashville, TN
Three Sisters: Algorithms for Syphilis Testing	44105	54205	Basic	Vera Tesic, MD University of Chicago, Chicago, IL
Patient Access Portal: The Patient's Window to Discover the Lab	44106	54206	Basic	Eugenio Zabaleta, PhD Ohio Health Mansfield Hospital, Mansfield, OH
Monoclonal Antibodies as Therapeutic Agents	44107	54207	Intermediate	Melissa Snyder, PhD, DABCC Mayo Clinic, Rochester, MN
Laboratory Assessment of Cystic Fibrosis	44108	54208	Intermediate	Neval Akbas Texas Children's Hospital, Houston, TX
Rule-Based Strategies for Taming Wasteful Testing	44109	54209	Intermediate	Ron Schiffman, MD Southern Arizona VA Healthcare System, Tucson, AZ
Evolving Use of Cardiac Troponins in the ED—Early Rule-In/Rule-Out Protocols and the Use of Significant Deltas	44110	54210	Basic	Margot LeClair Beckman Coulter Immunoassay, Chaska, MN
Immunoglobulin Paraprotein Interference with Chemistry Assays	44111	54211	Advanced	Lu Song, PhD, DABCC UCLA Medical Center, Los Angeles, CA
Emerging Biomarkers of Liver Injury and Disease	44112	54212	Intermediate	Mitchell McGill, PhD Washington University School of Medicine, St. Louis, MO
Hair as a Long Term Adherence Marker for HIV Medications	44114	54214	Intermediate	Howard Horng University of California, San Francisco, San Francisco, CA

TITLE	SESSION NUMBER AM	SESSION NUMBER PM	LEVEL	SPEAKERS
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 Li 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 <i>Developed in cooperation with Management Sciences and Patient Safety Division.</i>	44120	54220	Basic	Qian Sun University of Pittsburgh, Pittsburgh, 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

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

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5
DAYS OF
INSPIRATION



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

Developed in cooperation with Management Sciences and Patient Safety Division.

SESSION OVERVIEW

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, B2M, IL-6/IL-10, VEGF/EGF, SDMA, Clusterin, Cystatin 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**

74107

Level: Intermediate

Developed in cooperation with Critical and Point-of-Care Testing Division.

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

74108

Level: Intermediate

Developed in cooperation with College of American Pathologists, Clinical & Diagnostic Immunology Division.

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**

74109

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.

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

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.

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.

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THURSDAY, AUGUST 4

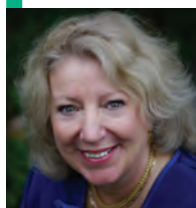
PLENARY & EDUCATION SESSIONS

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.

PLENARY SESSION 15001

**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
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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



GOVERNANCE & SPECIAL EVENTS

			Philadelphia Marriott Downtown	Sheraton Philadelphia Downtown
SATURDAY July 30	Noon - 3:00pm	Management Sciences and Patient Safety Division Executive Committee Meeting	■	
	1:00pm - 5:00pm	Mass Spectrometry & Separation Sciences Division Workshop and Luncheon	■	
	1:00pm - 5:30pm	SYCL Workshop: Clinical Lab Directors in the Spotlight—Essential Communication Skills for the Modern Lab Director	■	
	5:30pm - 7:30pm	SYCL Mixer	■	
	5:30pm - 8:30pm	21st Annual Management Sciences and Patient Safety Division Leadership Seminar	■	
SUNDAY July 31	12:00pm - 1:30pm	International Travel Grant Luncheon	■	
	1:00pm - 3:00pm	ABCC Clinical Chemistry Exam Committee Meeting	■	
		ABCC Molecular Diagnostics Exam Committee Meeting	■	
		ABCC Toxicology Exam Committee Meeting	■	
	2:00pm - 3:00pm	Pediatric and Maternal-Fetal Division Annual Board Meeting	■	
		Proposed Tumor Markers and Diagnostics Division Organization Meeting	■	
	2:00pm - 4:30pm	NGSP Steering Committee Meeting		■
	3:00pm - 5:00pm	CPOCT Division Executive Committee Meeting	■	
MONDAY August 1	6:45pm - 8:00pm	AACC Community Opening Mixer	■	
	7:30pm - 9:00pm	Pediatric and Maternal-Fetal, Industry, Informatics, Clinical Translational Science, and Industry Divisions Joint Mixer	■	
	7:45pm - 10:30pm	Awards Recognition Dinner	■	
	8:00am - Noon	American Board of Clinical Chemistry	■	
	9:00am - 11:00am	Division of Animal Clinical Chemistry General Business Meeting	■	
	10:00am - 4:00pm	Verificación de métodos analíticos. Pasos a seguir para verificar las especificaciones de los fabricantes.	■	
	Noon - 2:00pm	Endocrinology Division Luncheon and Mixer	■	
		Molecular Pathology Division Poster Awards Session	■	
		TDM and Toxicology Division Meeting and Luncheon	■	
		Biomarkers of Acute Cardiovascular Diseases Division Lunch Meeting	■	
		NGSP IFCC Manufacturer Forum		■
	Noon - 2:30pm	Clinical Translational Science Division Luncheon and Symposium	■	
		Division of Animal Clinical Chemistry Lunch and Learn	■	
	12:30pm - 1:30pm	Proposed Hematology and Coagulation Division Organization Meeting	■	
	12:30pm - 2:30pm	Industry Division Meeting—Hot Topics on FDA & LDT: Precision Medicine and Laboratory Developed Tests	■	

GOVERNANCE & SPECIAL EVENTS

			Philadelphia Marriott Downtown	Sheraton Philadelphia Downtown
MONDAY August 1	5:00pm - 5:30pm	ABCC Certification Forum	■	
	5:30pm - 7:00pm	Joint ABCC - SYCL Reception CLSI Member Reception	■	■
	5:30pm - 9:30pm	LVD Division Dinner Meeting: Current Topics in Cardiovascular Disease	■	
	6:00pm - 8:00pm	AACC ECP-GLQI Mixer	■	
TUESDAY August 2	7:00am - 8:30am	Ohio/Michigan Local Sections Breakfast Personalized Medicine Division Awards and Membership Meeting	■ ■	
	7:30am - 9:00am	ComACC Program Director's Breakfast Meeting	■	
	11:00am - Noon	Molecular Pathology Division Executive Board Meeting	■	
	11:30am - 1:00pm	Informatics Division Membership Meeting and Luncheon	■	
	11:30am - 1:30pm	Midwest Section Annual Meeting and Luncheon	■	
	Noon - 2:30pm	Joint Division Luncheon—Mass Spectrometry, Molecular Pathology, Proteomics & Metabolomics	■	
	12:30pm - 2:00pm	History Division Luncheon Meeting	■	
	2:30pm - 4:30pm	SYCL Committee Meeting	■	
	5:30pm - 7:30pm	AdvaMedDx Live Clinical Diagnostic & Immunology Division Business Meeting and Mixer Molecular Diagnostics Educational Event CDC Standardization Programs Forum	■ ■ ■	■
	6:00pm - 8:00pm	CPOCT Division Membership Meeting and Mixer	■	
	6:00pm - 9:00pm	LVD Division International Lipoprotein Standardization Forum	■	
	6:00pm - 9:30pm	Nutrition Division Networking Seminar	■	
	8:00pm - 11:00pm	CPOCT Division Afterglow	■	
WEDNESDAY August 3	7:00am - 9:00am	C-peptide/Insulin Standardization Manufacturer Meeting		■
	7:30am - 9:00am	CPD Executive Meeting	■	
	12:15pm - 2:30pm	NACB Academy Annual Luncheon and Membership Meeting	■	
	5:30pm - 7:30pm	NRCC Reception		■
THURSDAY August 4	7:30am - 10:00am	14th Annual Point-of-Care Coordinators Forum		
	2:00pm - 5:00pm	WG-TNI Meeting	■	

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

AACC SPONSORED SPECIAL EVENTS

SATURDAY, JULY 30

T SYCL WORKSHOP AND MIXER TICKET

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

Sponsored by Abbott Diagnostics, ARUP Laboratories, Beckman Coulter, Inc., LabCorp, Mayo Medical Laboratories, NOVA Biomedical Corporation, Phenomenex, Roche Diagnostics, Siemens Healthcare Diagnostics, Sysmex America, Inc., The Binding Site, Thermo Fisher Scientific, UTAK Laboratories, and Waters Corporation.

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.

SATURDAY, JULY 30

T 21ST ANNUAL MANAGEMENT SCIENCES AND PATIENT SAFETY LEADERSHIP SEMINAR TICKET

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

MONDAY, AUGUST 1

T ANNUAL LVD DIVISION DINNER MEETING TICKET

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, LVDD 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

T INTERNATIONAL LIPOPROTEIN TICKET 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

T NUTRITION DIVISION NETWORKING SEMINAR TICKET

Desirable Diets, Functional Foods, and Superlative Supplements: Facts and Fallacies about Athletic Performance and Chronic Disease Risk

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, DABCC, FACB, MT (ASCP) 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

TUESDAY, AUGUST 2

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

THURSDAY, AUGUST 4

T 14TH ANNUAL POINT-OF-CARE TICKET 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 POCCs. 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 POCCs 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

REGISTRATION TYPE		FULL CONFERENCE	GUEST/SPOUSE	DAILY	EXPO ONLY	NO REGISTRATION
		- AACC Member - Non-member - Trainee/Student Member - Emeritus Member	Limit 1 per full registrant	Admission/tickets for day registered only	Expo only, Exhibit Hall	
EVENTS						
Plenary Sessions 10000 Series		✓	✓	✓	✗	✗
Symposia 30000 Series		✓	✓	✓	✗	✗
Short Courses 70000 Series		✓	✓	✓	✗	✗
Meet the Experts 60000 Series		✓	✓	✓	✗	✗
AACC University 190000 Series		\$		\$		
Brown Bag Sessions 40000 Series morning 50000 Series afternoon		\$		\$		
Special Events		\$	\$	\$	\$	\$
Special Event Opening Mixer		✓	✓	✓	✗	✗
Clinical Lab Expo Expo Only, Exhibit Hall		✓	✓	✓	✓	✗
Lunch Wednesday only, Exhibit Hall (Ticket included with registration)		✓	✓	✓	✓	✗
Poster Sessions Abstracts		✓	✓	✓	✗	✗
Industry Workshops		✓	✓	✓	✓	✗
OEM Lectures		✓	✓	✓	✓	✗

✓ Included with registration type



Ticket required

\$ May purchase ticket



May **NOT** purchase ticket



May **NOT** attend

REGISTRATION POLICIES & PROCEDURES

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.

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

REGISTRATION POLICIES & PROCEDURES

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.

3 WAYS TO REGISTER



ONLINE www.aacc.org/2016am

*PRINT a registration form at
www.aacc.org/2016am*



FAX
+1 508.743.3639

Faxed form will be treated as an original. To avoid duplicate charges, do not also mail after faxing.



MAIL
AACC Registration
c/o CDS
107 Waterhouse Rd.
Bourne, MA 02532

**FOR QUESTIONS ABOUT
REGISTRATION, CALL
+1 508.743.8506**

HELP THE NEXT GENERATION OF LABORATORY MEDICINE SCIENTISTS

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 laboratorians 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.

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

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

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.

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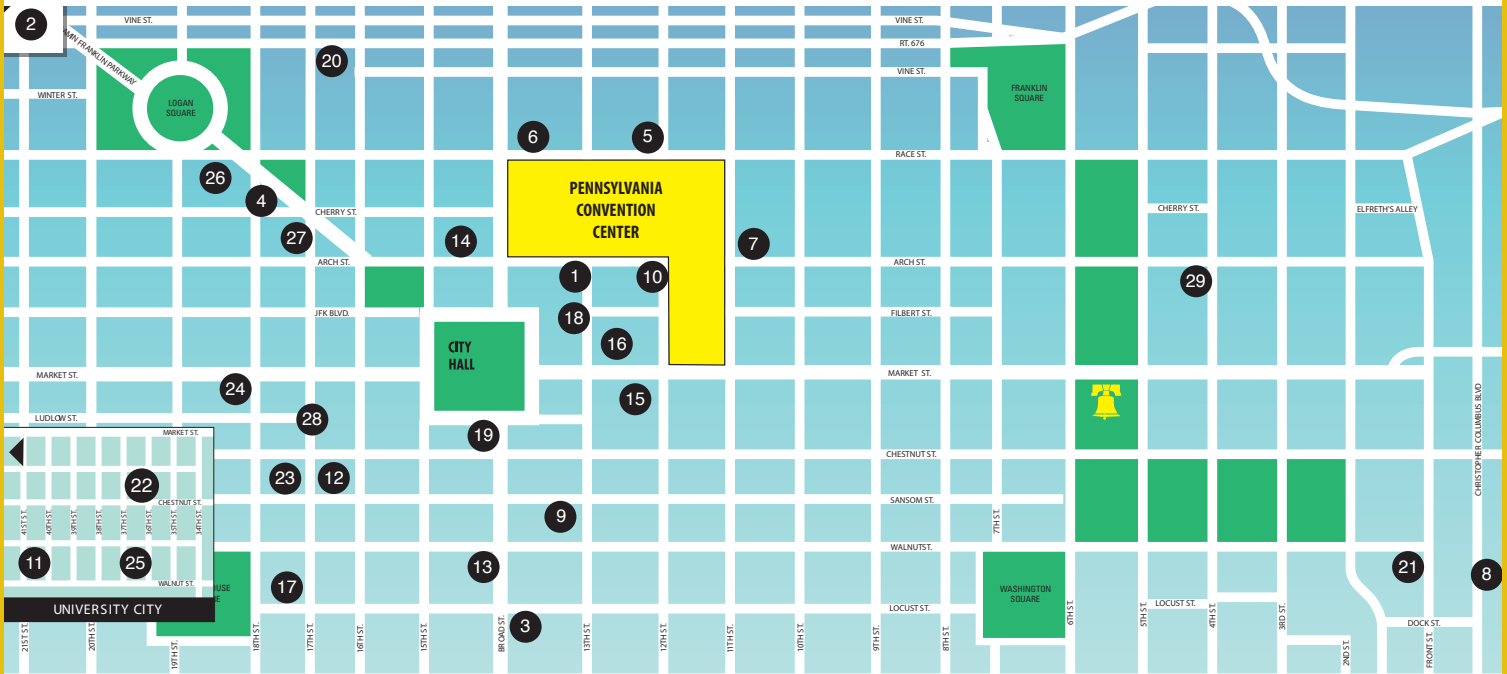


HOTEL INFORMATION

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

All hotels have high-speed internet available, and are non-smoking properties. Hotel tax rate is 15.5%.

HOTEL MAP



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

GENERAL INFORMATION

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:



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community, for
members only



#2

**CLINICAL
CHEMISTRY**
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journal



#3

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SCIENTIFIC MEETING
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for laboratory medicine

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*Professional, Transitional and Trainee members receive Clinical Chemistry.

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laboratory medicine.

Name		
Job Title		
Company Name		
Department		
Company Address		
City	State/ Province	
Zip/Postal Code	Country	
Home Address		
City	State/ Province	
Zip/Postal Code	Country	
Email 1	Email 2	
Business Phone	Fax	
Home Phone	Year of Birth	
Gender ☐ Male ☐ Female	Degrees Held	Certification

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.

☐ 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 <i>Clinical Chemistry</i> .	

☐ 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 <i>Clinical Chemistry</i> .	

Transitional (9626)	\$76
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Individuals who are new members or are AACCTrainee 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\$

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Total Subscription Dues \$

* Not applicable for Professional Affiliate members

☐ 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)	\$
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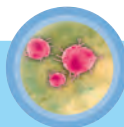
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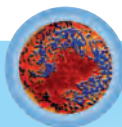
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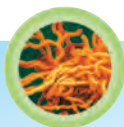
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