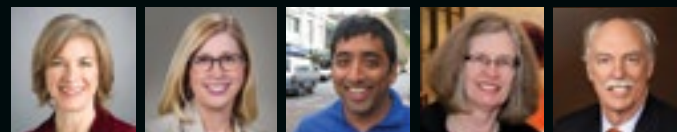


69TH AACC ANNUAL SCIENTIFIC MEETING & CLINICAL LAB EXPO

JULY 30 - AUGUST 3, 2017
SAN DIEGO, CA USA

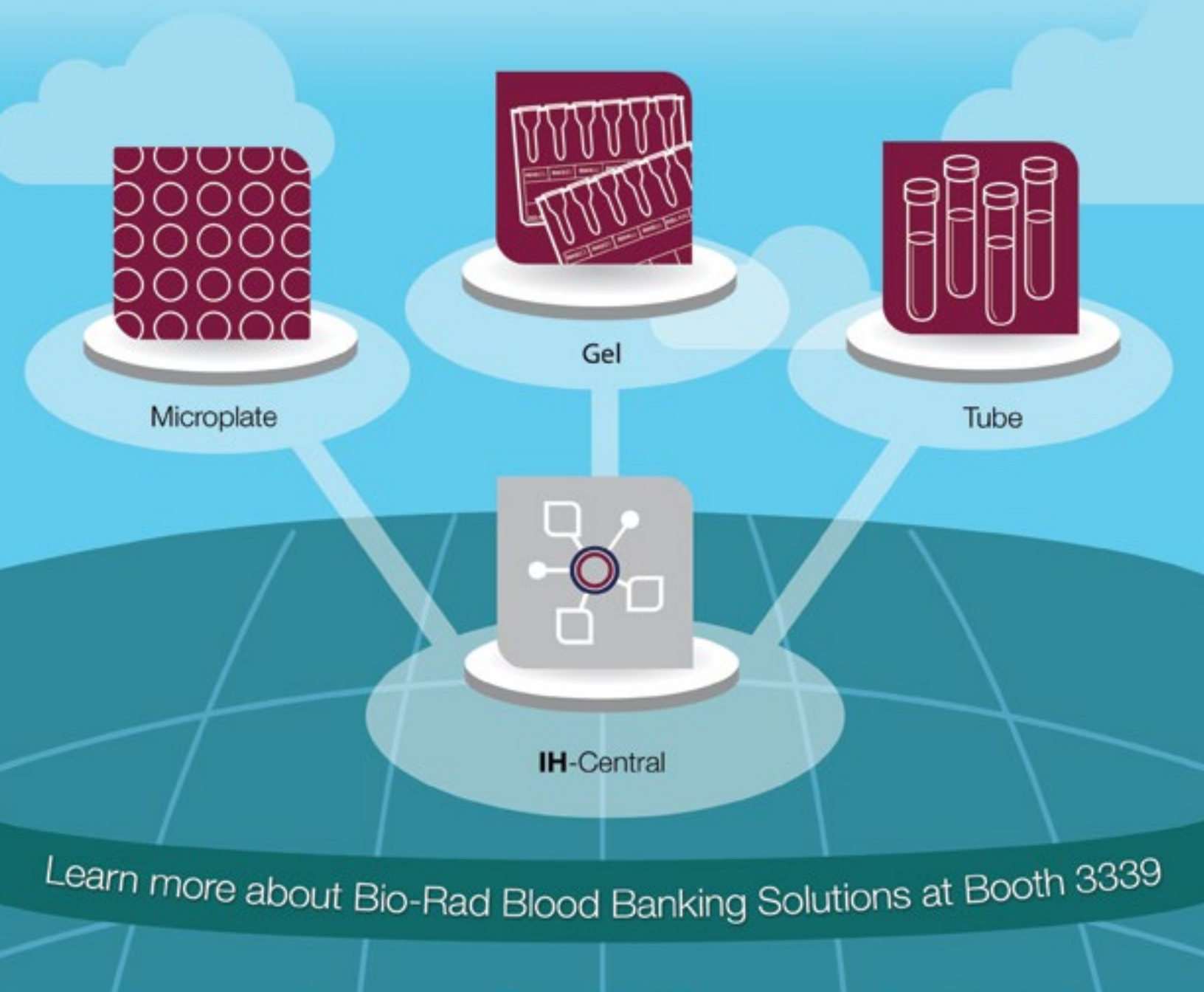
REGISTER BY
JUNE 15
AND SAVE

REGISTRATION GUIDE



Featuring an exceptional Plenary Session Lineup
See pages 9, 15, 25, 35 & 45 for details.

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THE SHARPEST MINDS IN CLINICAL LABORATORY MEDICINE WILL COME TOGETHER FOR FIVE SCIENCE-PACKED DAYS AT THE 69TH AACC ANNUAL SCIENTIFIC MEETING & CLINICAL LAB EXPO, JULY 30 - AUGUST 3, IN SAN DIEGO, CALIFORNIA.

WELCOME TO A NEW DIMENSION IN LABORATORY MEDICINE

ENVISION YOUR FUTURE Hear from the foremost experts to ignite your passion for discovery with comprehensive programming that ranges from personalized medicine and infectious diseases to point-of-care and laboratory-developed tests.

EXAMINE 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 20,000 clinical laboratory professionals from around the world. Re-connect with industry peers and expand your professional network with new contacts.

REGISTER BY JUNE 15 AND SAVE.

For the most up-to-date information, visit www.aacc.org/2017am.

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2017 SESSION DESCRIPTIONS

To make it easier for you to arrange your schedule, each session depicts relevant content levels as 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 & SHORT COURSES

Open to conference registrants.

Innovative learning formats and new audience engagement technology (FXP Touch) will be featured in both Symposia and Short Course presentations. The new formats and technology will enhance both the breadth and depth of presentation and expand audience participation. Rooms have been set to maximize attendance in each session. Featured special formats include a quiz show, Family Feud, and a mock trial.

Symposia Session Times

MONDAY	
Morning	10:30am - Noon
Mid-Day	12:30pm - 2:00pm
Afternoon	2:30pm - 4:00 pm
Late Afternoon	4:30pm - 6:00pm
TUESDAY, WEDNESDAY	
Morning	10:30am - Noon
Afternoon	2:30pm - 4:00 or 5:00pm
Late Afternoon	4:00pm - 5:00pm
THURSDAY	
Morning	10:30am - Noon

Short Course Session Times

MONDAY	
Morning	10:30am - Noon
Mid-Day	12:30pm - 2:00pm
Afternoon	2:30pm - 4:00pm
TUESDAY - THURSDAY	
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

MONDAY - WEDNESDAY	7:30am - 8:30am
	12:30pm - 1:30pm
Fee:	\$25

MEET THE EXPERT SESSIONS

Open to conference registrants.

Attendance limited to 75 participants per session.

These sessions are intense interactive discussions with plenary speakers.

Meet the Expert Session Times

MONDAY - THURSDAY	10:30am - 11:30am
-------------------	-------------------

CHAIR'S INVITED SESSION

Open to conference registrants.

The chair of the 2017 Annual Meeting Organizing Committee created this special session of particular importance to AACCC Annual Scientific Meeting attendees. "Is Artificial Intelligence in Genomics Ready for Prime Time?" will be the topic of this year's presentation. Details on page 20.

2017 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 presentation is "The Microbiome in Health and Disease." Details on page 22.

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 AACC Academy (formerly 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 – Morning Symposium
Improving Patient Outcomes

2:30pm - 4:00pm – Afternoon Symposium
Emerging Technologies

TUESDAY

10:30am - Noon – Morning Symposium
Precision Medicine and Therapeutics

2:30pm - 4:00pm – Afternoon Symposium
Hot Topics in Lab Medicine

WEDNESDAY

10:30am - Noon – Morning Symposium
Point-of-Care Testing

2:30pm - 4:00pm – Afternoon Symposium
Global Health

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 Program Guide.

Participating Divisions:

- Biomarkers of Acute Cardiovascular Diseases Division
- Clinical Diagnostic Immunology Division
- Clinical Translational Sciences Division
- Critical and Point-of-Care Testing Division
- Endocrinology Division
- Hematology and Coagulation Division
- Informatics Division
- Management Sciences and Patient Safety Division
- Mass Spectrometry and Separation Sciences Division
- Nutrition Division
- Pediatric and Maternal Fetal Division
- Tumor Markers and Cancer Diagnostics Division





AACC UNIVERSITY

The Conference Before the Conference Sunday, July 30, 2017

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 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 9-12 for further details.

AACC University Times

SUNDAY	10:30am - Noon
	1:30pm - 4:00pm

CONFERENCE RECORDING

The 69th AACC Annual Scientific Meeting will be recorded and is available for purchase. The recording will include audio and presentation slides from most of the scientific sessions offered during the Annual Scientific Meeting. The recording is \$199 if purchased with your registration and \$299 if purchased after the close of the meeting (August 3, 2017, 1:00pm PDT). After purchase, the recordings will be available to download approximately two weeks after the close of the meeting.

SIMPLIFIED FEE STRUCTURE

One inclusive fee gives 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 the Clinical Lab Expo. 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, Tennessee 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 descriptions. To see the number of credits available for each session, visit www.aacc.org/2017am.

The Poster Sessions are approved for ACCENT® credit only.

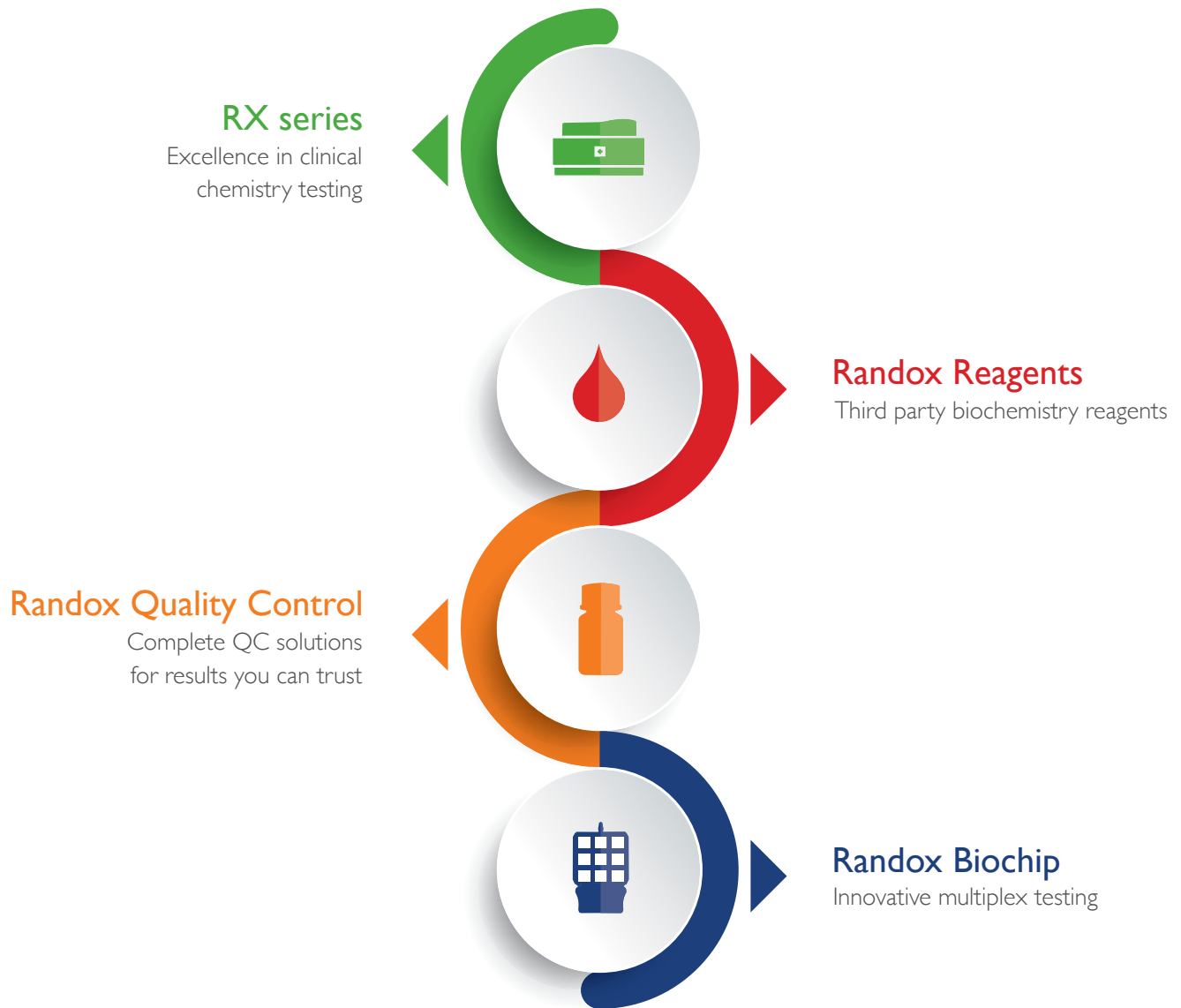
Eligibility to Earn Continuing Education Credit

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 69th AACC Annual Scientific Meeting. Individuals registered as Guest/Spouse or Expo Only are not eligible to earn Continuing Education credit for these sessions.

Detailed instructions about how to claim Continuing Education credit will be provided on-site at the 69th AACC Annual Scientific Meeting & Clinical Lab Expo and online at www.aacc.org/2017am.

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CLINICAL LAB EXPO

AACC IS PROUD TO HOST THE WORLD'S LARGEST CLINICAL LABORATORY EXPOSITION, WITH MORE THAN 750 EXHIBITORS AND MORE THAN 2,300 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 69th 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 69th 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.

Expo-only registrations received by June 15, 2017, are only \$20. Expo-only registrations received after June 15 or onsite are \$40 per person. Visit www.aacc.org/2017am for details.

EXHIBITOR SEARCH

Go to www.aaccexhibitors.com to visit the Interactive Online Exhibit Hall Floor Plan, searchable by company name or by more than 250 product categories.

EXPO HOURS

TUESDAY, AUGUST 1
9:30am - 5:00pm

WEDNESDAY, AUGUST 2
9:30am - 5:00pm

THURSDAY, AUGUST 3
9:30am - 1:00pm

EXHIBITOR PRODUCT CATEGORIES

- 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



**SUNDAY
JULY 30**

PLENARY & EDUCATION SESSIONS

PLENARY SESSION 11001

CRISPR BIOLOGY, TECHNOLOGY & ETHICS: THE FUTURE OF GENOME ENGINEERING



JENNIFER DOUDNA, PhD
University of California Berkley
Berkley, CA

SUNDAY, JULY 30
5:00pm - 6:30pm
Level: Basic

SESSION OVERVIEW

Facile genome manipulation, using precision DNA and RNA recognition, is transforming biology. This presentation will describe how the bacterial adaptive immune system, called CRISPR (which stands for clustered regularly interspaced short palindromic repeats), continues to inspire the development of powerful genome engineering tools. These tools are enabling advances in both fundamental biology and applications to the mammalian brain.

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 and patient care, 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 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.

2017 AACC AWARD WINNERS

*To be presented during the
Opening Plenary Session*

Jennifer Doudna, PhD
UC Berkeley
Wallace H. Coulter Lectureship Award

Susan Evans, PhD
BioDecisions Consulting
*Outstanding Lifetime Achievement
Award in Clinical Chemistry and
Laboratory Medicine*

Larry Thomas Mimms, PhD
Prometheus Labs
*The AACC Edwin F. Ullman Award
for Technology Innovation*

Eleftherios P. Diamandis, MD, PhD
Mount Sinai Hospital
*Outstanding Contributions in
Education*

Ian Young, MD
Queens University Belfast
*Outstanding Contributions Through
Service to the Profession of Clinical
Chemistry*

Mark Marzinke, PhD
Johns Hopkins University
*Outstanding Scientific Achievements
by a Young Investigator*

Patricia Jones, PhD
Children's Medical Center of Dallas
AACC Past President's Award

Roland Valdes, PhD
University of Louisville
*AACC Academy Professor Alvin Dubin
Award for Outstanding Contributions
to the Profession and the Academy*

Roy Peake, PhD
Boston Children's Hospital
*AACC Academy George Grannis
Award for Excellence in Research and
Scientific Publication*

Jerry Katzmann, PhD
Mayo Clinic
*AACC-AACC Academy Award for
Outstanding Contributions to
Clinical Chemistry in a Selected Area
of Research*

AACC UNIVERSITY 10:30AM - NOON



Guidance for Evaluating the Hypoxemic Patient in the Critical Care Setting

191001

Level: Intermediate

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.



Trust, But Verify: Getting the Most Out of Verification Protocols for FDA Approved Methods

191002

Level: Basic

Laboratories cannot assume that all FDA-approved methods are acceptable for use in a clinical environment. Therefore, laboratories are responsible for verifying that approved methods perform "as advertised." However, laboratory staff may not have the requisite expertise or knowledge to perform verification studies. During this session, tools will be provided to enable attendees to identify how to implement and interpret the required verification studies performed when evaluating an approved method. The session will draw on both CLSI guidelines as well as assessment tools such as Sigma-metrics.



New External Programs for Laboratory Quality Assurance

191003

Level: Intermediate

The session will provide an overview of external quality assurance/proficiency testing programs from the CAP and review relevant CMS requirements and CAP checklists: (1) accuracy based grading PT surveys, (2) multiple instrument comparison (Quality Cross Checks) PT survey, and (3) applications of linearity validation and analytical measurement range for coagulation testing. In addition, the session will review CAP's experience and reporting procedures in these areas.



Bridging the Gaps Between Laboratory Medicine and Clinical Decision Making: Challenges and Conundrums

191004

Level: Intermediate

A mix of theory and case-based examples will illustrate the theory of standardization, concepts of traceability and uncertainty of measurement, and how to use external quality control to establish bias or accuracy. An overview of the different types of interferences that affect laboratory results and how the laboratory detects and deals with interferents will also be presented.



Communicating Effectively When Facing Potential Conflict

191005

Level: Basic

The work conducted by clinical laboratorians is critical in providing timely patient care. Due to the nature and high-pressure environment as members of the healthcare team, laboratory personnel may encounter conflicts both within and external to the laboratory. This session will detail a simple three-part strategy for managing communication situations where the potential for conflict exists. Session attendees will gain the tools to apply a successful communication strategy and facilitate satisfactory outcomes while avoiding conflict.



Making your Core Lab Safe from Ebola and Zika

191006

Level: Intermediate

Biosafety is an integral part of quality laboratory systems. The Association of Public Health Laboratories (APHL), in partnership with the CDC, is working with a forum of experts from the AACC, ASM, FDA, AAB, CAP, COLA, CMS and the Joint Commission, to provide tools and resources to strengthen biosafety practice in public health and clinical laboratories. The purpose of this session is to facilitate information exchange among clinical laboratory stakeholders to improve biosafety in the nation's clinical laboratories. The session will cover practices, policies, as well as gaps and training needs, with the overall objective of empowering participants to transfer and apply lessons learned to their home institutions.

AACC UNIVERSITY 1:30PM - 4:00PM


The Essential Elements of a Point-of-Care Coordinator (POCC) Boot Camp

192007

Level: Basic

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

The findings of a recent national survey show a demand for targeted point-of-care (POC) education and application of skills. This session will focus on important elements of communication and networking, device connectivity and operator training techniques, using interactive techniques and audience response.


Laboratory Developed Tests—What's a Laboratory to Do?

192008

Level: Intermediate

Developed in cooperation with FDA Office of In Vitro Devices and Radiological Health

This session will explore concepts and guidelines for the development and validation of laboratory-developed tests (LDTs) using CLSI documents. The FDA's Quality System Regulations will be described as it applies to manufacturers including laboratories that create LDTs. The session content will reflect the status of the FDA's LDT proposed approach in 2017.


Practical Integration of Clinical, Electrophoretic, and Molecular Features of Hemoglobin Disorders

192009

Level: Intermediate

Developed in cooperation with College of American Pathologists

Hemoglobin disorders are common and can be associated with a wide variety of clinical phenotypes and severity. These disorders are an excellent model to understand the molecular mechanisms of diseases. There are many different methodologies to evaluate these disorders. This session is a case-based discussion of clinically significant hemoglobin and thalassemia disorders, integrating clinical and laboratory data into the presentation.


Systems, Stakeholders, and Sustaining: Successful Strategies for Improving Laboratory Stewardship

192010

Level: Basic

Laboratory stewardship programs to ensure appropriate test utilization and improve test value are becoming increasingly necessary as the costs of complex laboratory testing increases. Modifying electronic ordering systems, improving communication between the laboratory and clinical teams, and implementing structured review of test orders are strategies that are effective in the correct context but can be challenging to develop and sustain. This session will present a variety of proven laboratory utilization tools by describing utilization case studies from three different health systems with different business models and patient populations.



Registration fees apply for each session.
See page 52 for pricing.

AACC UNIVERSITY 1:30PM - 4:00PM



**Kidney Disease—Laboratory Testing
Makes a Difference**

192011

Level: Intermediate

Developed in cooperation with CSCC

Early detection of kidney disease provides opportunities for targeted interventions that may alter the disease progression and outcomes. This session will examine the clinical value of traditional biomarkers that are currently being used for detecting, investigating and treating patients with AKI and CKD. Participants will be required to assess if the biomarkers are fit for purpose.



**From a Brick to a Fortress: Building a
Solid Clinical Mass Spectrometry Method
One Brick at a Time**

192012

Level: Basic

This session aims to assist clinical laboratories interested in implementing mass spectrometry. It will cover the fundamentals of liquid chromatography and tandem mass spectrometry, essential considerations and effective approaches for method development and validation, and post-implementation monitoring.

2017 GLOBAL LAB QUALITY INITIATIVE MINI-WORKSHOP 12:30PM - 4:30PM



**Adding Value to Patient Care Using
Quality Control**

The workshop, "Adding Value to Patient Care Using Quality Control," is a practical half-day workshop designed to train students and bench technicians on the 'nuts and bolts' of quality control techniques to improve laboratory medicine. With content originally designed to be delivered outside the U.S., AACC has delivered similar, longer-format workshops in Bolivia, Dominican Republic, El Salvador, Ecuador, Guatemala, Mexico, Panama, Paraguay, and Peru, with considerable success. This workshop will be presented in English. **Learn more and register at www.aacc.org/GLQIworkshop.**

2017 SUPPORTERS

AACC THANKS THE FOLLOWING COMPANIES FOR THEIR GENEROUS SUPPORT IN 2017.



As of March 17, 2017



**MONDAY
JULY 31**

PLENARY & EDUCATION SESSIONS

PLENARY SESSION 12001
**ONCOFERTILITY: FROM BENCH
TO BEDSIDE TO BABIES**



TERESA WOODRUFF, PhD
Northwestern University,
Chicago, IL

MONDAY, JULY 31
8:45am - 10:15am
Level: Basic

SESSION OVERVIEW

Life-preserving cancer treatments can threaten fertility. More than 1.4 million people are diagnosed in the U.S. with cancer annually; 10% of these individuals are in their reproductive years. As the survival rate for adolescents and children continues to rise, late effects of treatment are taking on new urgency for survivors of this disease. Oncofertility is a new term that describes the effort to preserve fertility for young people with cancer and includes basic reproductive biology, clinical science, ethics, law, economics, pediatric surgery and education sciences. The Oncofertility Consortium was founded to provide fertility options for young cancer patients, develop relationships between oncologists and fertility specialists as a team, and create a global community of practice that is coordinated and sustainable.

**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 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
Reducing Errors While Improving Quality in Your POCT Program <i>Developed in cooperation with Critical and Point-of-Care Testing Division</i>	42101	52201	Basic	Brenda Suh-Lailam, PhD, DABCC Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL
CLIA Requirements for Validation of Laboratory Developed Tests (LDTs) <i>Developed in cooperation with Clinical Translational Science Division</i>	42102	52202	Basic	Vincent Ricchiuti, PhD Laboratory Corporation of America Holdings, Dublin, OH
Critically High Ammonia in an Adolescent: Review of a Clinical Case Study from the Clinical Chemistry Journal	42103	52203	Intermediate	Lawrence de Koning, BSc MSc PhD, DABCC Calgary Laboratory Services, Calgary, Alberta, Canada
Immunoglobulin Paraprotein Interference with Chemistry Assays	42106	52206	Advanced	Lu Song, PhD, DABCC UCLA Medical Center, Los Angeles, CA
Prognostication of Heart Failure: Perspectives from Transforming Growth Factors (TGF) Super-Family Members	42107	52207	Intermediate	Damien Gruson, PhD Cliniques Universitaires Saint Luc, Bruxelles, Belgium
Measurement of Free Vitamin D in the Clinical Laboratory	42108	52208	Intermediate	Nicolas Heuvel, PhD DiaSource ImmunoAssays, Louvain-la-Neuve, Belgium
How People Try to Beat Drug Testing and Defend Positive Results	42109	52209	Basic	Amitava Dasgupta, PhD, DABCC, NRCC University of Texas at Houston Medical School, Houston, TX
Sigma Value—A Performance Indicator and Quality Improvement Tools	42110	52210	Basic	Vanessa Lo, BSc(First Hons), MSc, MBA, MISM, MPA Hong Kong Sanatorium & Hospital, Happy Valley, Hong Kong
Troubleshooting Analytical Interferences	42111	52211	Basic	Janet Simons, MD McMaster University, Hamilton, ON, Canada
Matrix Effects in LC-MS Assays: Evaluation and Strategies to Overcome Testing Issues	42112	52212	Intermediate	Yifei Yang, PhD University of Chicago, Chicago, IL
Anti-Mullerian Hormone (AMH): An Emerging Biomarker for the Assessment of Reproductive Function	42113	52213	Intermediate	Alicia Algeciras-Schimmich, PhD, DABCC Mayo Clinic, Rochester, MN

TITLE	SESSION NUMBER AM	SESSION NUMBER PM	LEVEL	SPEAKERS
The Role of Pharmacogenomics in Therapeutic Drug Monitoring of Immunosuppressants	42114	52214	Intermediate	Stephen Roper, PhD, MB(ASCP) Baylor College of Medicine, Houston, TX
Perils of Hemoglobin A1c Assays: Hidden Hemoglobinopathies, a Case Based Approach	42115	52215	Basic	Sydney Strickland, PhD University of Virginia School of Medicine Charlottesville, VA
Sensitive Estrone and Estradiol Quantitation in the Clinical Lab: Why, When, and How?	42116	52216	Intermediate	Run Zhang Shi, PhD Stanford Medical Center Clinical Laboratories, Palo Alto, CA
Troubleshooting and Method Development for the Extraction and Quantification of Cannabinoids from Oral Fluid	42117	52217	Intermediate	Philip Sobolesky, PhD University of California San Diego, La Jolla, CA
MAAA, Oh My! Exploring the Algorithms Behind Multianalyte Assays with Algorithmic Analyses, and How to Judge Their Clinical Value	42118	52218	Basic	James Mays, MD University of Washington, Seattle, WA
Beyond PSA: Novel Biomarkers for Detection of Prostate Cancer	42119	52219	Intermediate	Bernard Cook, PhD, DABCC, FACB Henry Ford Hospital, Detroit, MI
100% Connectivity in Point-of-Care Testing is Achievable	42120	52220	Intermediate	Christiane Nooney, MBA/MHA, MT(AMT) Duke University Health System, Durham, NC
Updates in Pediatric Lipid Testing	42121	52221	Intermediate	Jing Cao, PhD, DABCC Texas Children's Hospital, Houston, TX
The CDC Lipids Standardization Programs—Ensuring the Quality of Clinical Chronic Disease Biomarker Measurements	42122	52222	Intermediate	Uliana Danilenko, PhD Centers For Disease Control and Prevention, Atlanta, GA
Test Utilization Strategies in the New Healthcare Environment—Controlling Laboratories' Costs and Providing Quality Patient Management	42123	52223	Basic	Alina Sofronescu, MSc, PhD, NRCC-CC; FACB University of Nebraska Medical Center, Omaha, NE
Leadership Strategies: Cultivating Engagement Through Leadership	42124	52224	Basic	Cherie Petersen, BA ARUP Laboratories, Salt Lake City, UT
Patient-Centered Clinical Laboratory Activities and Measurement of Outcomes	42125	52225	Intermediate	Ibrahim Hashim, PhD, DABCC, FACB University of Texas Southwestern Medical Center, Dallas, TX
Examination of the Peripheral Blood Smear	42126	52226	Basic	Sherri Flax, MD, FCAP University of Florida, Gainesville, FL
Integrating Preanalytical Quality Indicators for Laboratory Testing Efficiency	42127	52227	Intermediate	Aparna Ahuja, MD BD Diagnostics, Franklin Lakes, NJ
Doping with Testosterone: Testing Strategies and Factors Influencing Detection	42129	52229	Basic	Sami Albeiroti, PhD UCLA, Los Angeles, CA

MEET THE EXPERT 10:30AM - 11:30AM

CRISPR Biology, Technology and Ethics: The Future of Genome Engineering

62101

Level: Basic

Limited to 75 attendees

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. Jennifer Doudna to discuss the novel gene-editing tool, CRISPR. Her research seeks to understand how RNA molecules control the expression of genetic information. Dr. Doudna is a world-renowned researcher with numerous awards. Dr. Doudna has also been recognized outside the scientific community being named one of *Time's* 100 most influential people in 2015 and listed as a runner-up for *Time's* Person of the Year in 2016 alongside other CRISPR researchers.

SPEAKER

Jennifer Doudna, PhD

University of California Berkley, Berkley, CA

Oncofertility: From Bench to Bedside to Babies

62102

Level: Basic

Limited to 75 attendees

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. Teresa K. Woodruff, a pioneer in the field of fertility preservation. Dr. Woodruff coined the term "oncofertility" which describes the effort to preserve fertility for young people with cancer and includes basic reproductive biology, clinical science, ethics, law, economics, pediatric surgery and education sciences. Dr. Woodruff will discuss her efforts to provide fertility options for young cancer patients and create a global community of practice that is coordinated and sustainable.

SPEAKER

Teresa Woodruff, PhD

Northwestern University, Chicago, IL

SHORT COURSE 10:30AM - NOON

A Biomarker Strategy to Detect and Predict Cancer Therapy Cardiotoxicity

72103

Level: Intermediate

Developed in cooperation with Biomarkers of Acute Cardiovascular Diseases Division

Cancer therapy-induced cardiotoxicity has become an increasingly important clinical problem faced by oncologists and cardiologists. This session will review the pathophysiology and clinical assessment approaches of cancer therapy induced cardiomyopathy, and discuss the utilities of cardiac biomarkers for early diagnosis of acute cardiotoxicity and prediction of late-onset cardiotoxicity and heart failure secondary to cancer therapy.

SYMPOSIA 10:30AM - NOON

Clinical Endocrine Assays: What Endocrinologists Will Ask You

32104

Level: Intermediate

Developed in cooperation with Endocrine Society, Clinical Societies Collaboration Committee

Endocrinologists frequently contact the clinical lab for guidance on test selection and interpretation. An informal survey of clinicians attending the 2016 Endocrine Society conference revealed their concerns as problems with insulin-like growth factor 1 (IGF-1) analysis, use of tumor markers in thyroid tumors and measurement of cortisol in different samples. This session will address these topics to enable clinical laboratorians to answer these questions.

Novel Psychoactive Substances in Emergency Toxicology

32105

Level: Intermediate

This highly interactive session will focus on emergency toxicology and the role of the comprehensive drug screen in the diagnosis and management of acutely intoxicated patients. In particular, the session will explore poisonings that occur with novel psychoactive substances, or so-called designer drugs.

Is Bigger Always Better? Pros and Cons of Targeted vs Comprehensive Genetic Testing

32106

Level: Basic

Genetic testing is advancing precision medicine. This point-counterpoint session will highlight the relative advantages and limitations of targeted (selected gene panel) vs. comprehensive (exome and genome) genetic testing. The speakers will use case studies to emphasize the utility of each approach.

Diagnostics in Global Health: Time to Strengthen This Weakest Link

32107

Level: Basic

While medicines treat disease, diagnostics find disease. Yet, in global health initiatives, diagnostics receive much less attention. The WHO's Model List of Essential Medicines has been critical to the efficient delivery of medicines. This session will describe how a Model List of Essential Diagnostics will help strengthen laboratory capacity in resource-poor settings.

Invited Oral Abstracts: Improving Patient Outcomes

32108

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts in the area of improving patient outcomes and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

Clinical Chemistry's Hot Topics of 2017

32109

Level: Intermediate

Clinical utility of high-sensitivity troponin and successes and failures of omics in cardiovascular disease are the subjects of numerous highly cited articles published in *Clinical Chemistry* and will be discussed in this session.

SYMPOSIUM 12:30PM - 2:00PM

Chair's Invited Session:

Is Artificial Intelligence in Genomics Ready for Prime Time?

32416

Level: Basic

Usefully integrating genomic data into patient care is essential for continuing to advance precision medicine. Machine-learning algorithms have made remarkable strides in recent years. This session will discuss the current landscape of artificial intelligence-aided precision therapeutics in oncology using Watson Genomics as an example.

SHORT COURSES 12:30PM - 2:00PM

The Marriage of Informatics and Laboratory Operations

72411

Level: Basic

High-volume laboratory testing requires robust automated processes to ensure quality results. These processes include active surveillance for system vulnerabilities and implementation of procedures to fill quality gaps. This requires experience in both informatics and laboratory testing to collect, analyze, and interpret data and then implement data-informed quality control strategies. This session will illustrate the power of combining laboratory and informatics expertise to overcome limitations in automated chemistry testing.

The Complement System: Overview and Laboratory Testing

72412

Level: Basic

Interest in complement testing has increased in recent years, as its role in infectious, autoimmune and inflammatory diseases is better understood. Further, members of the complement system have been recognized as a potential target for therapeutics. This session will include an overview of the complement system, and cover pre-analytical challenges associated with laboratory evaluation, modern laboratory testing and examples of complement deficiency and dysregulation through interactive case presentations, as well as the opportunity to become a "Complement Whiz."

Micronutrient Testing in the Clinical Laboratory, from A to Zinc

72413

Level: Basic

Developed in cooperation with Nutrition Division

Micronutrients, including vitamins and some trace metals, are essential but found in low concentrations in the body. Deficiency of micronutrients results in disease processes can be corrected with adequate nutrient supplementation. The clinical impetus for and utility of vitamin and trace element testing will be discussed. Using active learning strategies, participants will explore micronutrient absorption, test utilization, methods of analysis, and limitations associated with these analytes. Session attendees will gain information and strategies to successfully manage requests for micronutrient testing.

Anti-Mullerian Hormone from the Laboratory Perspective

72414

Level: Intermediate

Developed in cooperation with Endocrinology Division

Polycystic ovarian syndrome (PCOS) is a heterogeneous condition and is largely a diagnosis of exclusion. Current diagnostic strategies focus on ovarian follicle counts, demonstration of androgen excess and/or menstrual abnormalities. Laboratory diagnostic tools are needed to define and monitor this common cause of infertility. This session will discuss current PCOS diagnostic strategies as well as promising new biomarkers, the foremost of which is anti-mullerian hormone (AMH). Newly developed automated AMH assays will increase testing availability and may more formally integrate the laboratory into PCOS diagnosis.

MONDAY AFTERNOON

SYMPOSIA 2:30PM - 4:00PM

Future Directions in Laboratory Utilization

32219

Level: Intermediate

This session will describe advanced concepts and emerging strategies for laboratory utilization that are intended to improve patient outcomes. Topics will include population health by use of registries, inter-institutional benchmarking, information system interoperability, business process management systems, and techniques for designing utilization studies aimed at interventions to reduce diagnostic errors.

Presenting Expert Testimony in the Courtroom

32220

Level: Intermediate

In this session, a courtroom setting will be used to demonstrate the importance of expert witness testimony in resolving toxicology and clinical chemistry related litigation. Attorneys and the expert witness, who worked on two recent trials, will provide arguments and evidence used to litigate these cases. The first case is a murder trial in which the expert witness was called to testify about the role of psychoactive drugs in the manner of death. The second case is a medical malpractice lawsuit where the plaintiff contends improper specimen collection eventually led to severe brain injury.

The Role of the Laboratorian and Clinician in the Diagnosis and Management of Tuberculosis

32221

Level: Intermediate

Early diagnosis and treatment initiation of tuberculosis (TB) is critical for patient survival, and ultimately ending the TB epidemic. Laboratory tests must be sufficiently sensitive and specific for TB detection, and must be amenable to both developed and resource-limited countries. This session will review the clinical epidemiology of TB, as well as highlight current laboratory tests used for TB diagnosis, and the barriers of implementing rapid testing in resource-limited areas through clinical research trials experience.

Invited Oral Abstracts:

Emerging Technologies

32222

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts in the area of emerging technologies and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

SYMPOSIA 2:30PM - 4:00PM

Presidents Invited Session:

The Microbiome in Health and Disease

32223

Level: Intermediate

The physiological and pathological significance of the human body's microbiome is one of the most significant areas of current medical interest. However, we contain more bacteria and other microorganisms than we have our own cells. It is becoming increasingly apparent that the qualitative nature of the microbiota we possess and microbial metabolism determine levels of wellness and may ultimately be responsible for many pathological conditions; in particular some complex conditions which classical genetic studies have been unable to explain. This session will explore two significant areas where the microbiome and metabolism are under intense evaluation. This session will explore the gastrointestinal microbiota under normal physiological conditions and relate shifts in patterns of microbiota to non-physiological conditions. Pre-term delivery (premature birth) is an area of great concern in neonatal health provision as there are huge costs in keeping premature babies in neonatal intensive care units; costs which impact laboratories greatly. Elements of both the microbiome and placental metabolism have been implicated as potentially causative mechanisms and these will be discussed in the session.

Current Perspectives on Alzheimer's Disease

32226

Level: Intermediate

Alzheimer's Disease (AD) is a major cause of dementia in the elderly population. Though no cure has been discovered, significant efforts are being made to find one. To provide a better understanding of AD, this session will discuss National Institute on Aging's strategic approach towards conquering AD, ongoing clinical trials for diagnosis and treatment, and current and potential biomarkers for AD.

MONDAY AFTERNOON

SHORT COURSES 2:30PM - 4:00PM

Liquid Biopsy as an Emerging Noninvasive Clinical Tool for Cancer Patient Management

72217

Level: Intermediate

Developed in cooperation with Molecular Pathology Division, Personalized Medicine Division

This session will discuss pre-analytical, technical and bioinformatic challenges associated with the implementation of liquid biopsy. Significant advances have been made in the analysis of circulating tumor cells (CTC) and circulating tumor DNA (ctDNA) through liquid biopsy. This testing allows for cancer patient stratification and the monitoring of therapeutic response.

A Roadmap to Alternative Body Fluid Testing for Disease Diagnosis

72218

Level: Intermediate

Collection and testing of non-invasive body fluids show promise in population-based screening studies and point-of-care, decentralized testing. Tests in saliva, cerebral spinal and body fluids have the potential to significantly improve diagnostic interpretation and permit biomarker analysis for novel management and treatment decisions. This session will present data on emerging markers in urine (cfDNA, miRNA, exosomes), CSF (CTC), saliva, stool (new genomic tests for colon cancer), and lavage from various organs, providing a road map to non-invasive clinical testing (NIT).

SPECIAL SESSION 4:30PM - 6:00PM

Q&A with Qualcomm Tricorder XPrize Finalists

32227

Level: Basic

MODERATORS

Shannon Haymond, PhD, DABCC
Lurie Children's Hospital of Chicago,
Chicago, IL

Stephen Master, MD, PhD, FCAP, FACB
Weill Cornell Medical College,
New York, NY

The Qualcomm Tricorder XPRIZE is a \$10 million dollar global competition to stimulate innovation and integration of advanced technologies, enabling reliable health diagnoses anywhere, anytime. The winning team will develop a device weighing no more than five pounds that will diagnose 13 health conditions and capture five real-time health vital signs. Devices are judged for their diagnostic accuracy and user experience. In this session, the audience will hear from two of the Tricorder competition finalists.

The speakers will discuss the technology they have developed, share the inspiration for their devices, the hurdles encountered, and the potential future for their technology. This is an opportunity to learn more about the drivers and status of the digital health revolution and the breakthroughs needed for this model, once relegated to science fiction, to become a reality. This includes the emergence of precision diagnostics that utilize novel sensing technologies with advanced technological integration, requiring new regulatory pathways and healthcare industry acceptance.

Following the presentation, there will be a moderator-led Q&A session featuring questions from the audience. The moderators will include Drs. Shannon Haymond, PhD and Stephen Master, MD, PhD. This is an interactive session highlighting commercial products, and as such will not receive Continuing Medical Education or ACCENT credit.

SPEAKERS

Grant Campany, MBA
Xprise, Culver City, CA

Eugene Chan, MD
DNA Medicine Institute, Cambridge, MA

Chung-Kang Peng, PhD
Beth Israel Deaconess Medical Center, Boston, MA



**TUESDAY
AUGUST 1**

PLENARY & EDUCATION SESSIONS

PLENARY SESSION 13001
**BEYOND SEQUENCING:
NEW FRONTIERS IN GENOMICS**



JAY SHENDURE, MD, PhD

University of Washington,
Seattle, WA

TUESDAY, AUGUST 1
8:45am - 10:15am
Level: Basic

SESSION OVERVIEW

Over the past decade, massively parallel or next-generation DNA sequencing has emerged as a broadly enabling 21st century “microscope” for the measurement of diverse biological phenomena. In the clinic, the utility of sequence data is being intensively evaluated in diverse contexts, including reproductive medicine, oncology and infectious disease, and sequencing is increasingly being used in unanticipated ways that reach beyond conventional human genetics. This presentation will focus on efforts to develop new applications for DNA sequencing in clinical medicine, including for non-invasive diagnostics and for decomposing complex cell populations.

**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 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
Rule-Based Strategies for Taming Wasteful Testing	43101	53201	Intermediate	Ron Schiffman, MD Southern Arizona VA Healthcare System, Tucson, AZ
MALDI-TOF Mass Spectrometry and its Applications in Laboratory Medicine	43102	53202	Intermediate	Yusheng Zhu, PhD, DABCC, FACB Penn State University Hershey Medical Center, Hershey, PA
Challenges of Quality Control in Modern Analytical Systems	43103	53203	Basic	Oswald Sonntag, PhD Bio-Rad Laboratories, Munchen, Germany
Laboratory Tests Related to Calcium and Bone Metabolism	43104	53204	Intermediate	Lu Song, PhD, DABCC UCLA Medical Center, Los Angeles, CA
How to Design and Execute a Clinical Outcomes Study	43105	53205	Intermediate	Stacy Beal, MD University of Florida Health - Shands, Gainesville, FL
Was That the Right Decision? A Post-Mortem Analysis of a Multi-Year Quality Improvement Process	43106	53206	Intermediate	Valentinas Gruzdzys, PhD University of Utah, Salt Lake City, UT
Can You Substitute Diesel With Gas in Your Car?: The Story of Active Vitamin B12 and Total Vitamin B12	43107	53207	Basic	Barnali Das, MD, DNB, PGDM, Member, IFCC C-STFT & Corresponding Member, IFCC C Kokilaben Dhirubhai Ambani Hospital, Mumbai, Maharashtra, India
Laboratory Assessment of Pediatric Metabolic Syndrome	43108	53208	Basic	Victoria Higgins, BCS Hospital for Sick Children, Toronto, ON, Canada
Serum Free Light Chains (sFLC): Advantages and Disadvantages of Currently Available Assays	43109	53209	Basic	Nicole White-AI Habeeb, PhD Hospital for Sick Children, Toronto, ON, Canada
It's Not Just 'My Way or The Highway:' Navigating the Standardization of Clinical Laboratory Operations Across Hospital Enterprises	43110	53210	Basic	Allison Chambliss, PhD, DABCC Keck Medicine of USC, Los Angeles, CA
Harmonizing Reference Intervals— A Provincial Example	43111	53211	Intermediate	Janet Simons, MD McMaster University, Hamilton, ON, Canada
Abnormal Routine Laboratory Results and Interpretation in Cancer Patients	43112	53212	Intermediate	Qing Meng, MD, PhD, DABCC, FCACB The University of Texas MD Anderson Cancer Center, Houston, TX
The CDC Hormone Standardization (HoSt) Program: Improving Clinical Measurements of Testosterone and Estradiol	43113	53213	Intermediate	Krista Poynter, BS Centers for Disease Control & Prevention, Atlanta, GA
Optimizing Accuracy and Precision for POCT in Specific Clinical Settings	43114	53214	Intermediate	Anthony Okorodudu, PhD, MBA, DABCC University of Texas Medical Branch, Galveston, TX

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
Inferior Petrosal Sinus sampling (IPSS): The Challenges in Performing This Diagnostic Procedure for Patients with Cushing's Disease	43115	53215	Intermediate	Siaw Li Chan, PhD University of Chicago, Chicago, IL
Recent Updates on Celiac Disease Testing and Utilization of Laboratory Testing Algorithms	43116	53216	Intermediate	Mahesheema Ali, PhD Baylor College of Medicine, Houston, TX
The Journey in Obtaining POCT Education Documentation within a Health System	43117	53217	Basic	Deborah Bozek Baystate Medical Center, Springfield, MA
Data-Driven Optimization of Result Autoverification in an Automated Chemistry Laboratory	43118	53218	Basic	Anna Merrill, PhD University of Washington, Seattle, WA
Biomarkers to Detect Alcohol Exposure	43119	53219	Intermediate	Kamisha Johnson-Davis, PhD, DABCC, FACB University of Utah/ARUP Laboratories, Salt Lake City, UT
Decreasing Barriers to Testing: HIV Point-of-Care Testing	43120	53220	Basic	Dorothy Truong, PhD University of Toronto, Richmond Hill, ON, Canada
Minimum Retesting Intervals (MRI): Importance, Determination, Advantages, Challenges of Enforcement	43121	53221	Intermediate	Asmita Hazra, MBBS, MD Christian Medical College Vellore, Tamil Nadu, India
Small Blood Samples, Challenges for the Lab	43122	53222	Basic	Khushbu Patel, PhD, DABCC UT Southwestern, Dallas, TX
Screening for Cancer: Recommendations and Controversies	43123	53223	Intermediate	Shahram Shahangian, PhD, MS, DABCC, FACB US Centers for Disease Control and Prevention, Atlanta, GA
Strategies for Streamlining Analytical and Post- Analytical Processes in Clinical Urine Multi-Target Drug Testing Using LC-MS/MS Technology	43124	53224	Intermediate	Danijela Konforte, PhD, FCACB Lifelabs, Toronto, ON, Canada
A Case-Based Discussion: Therapeutic Drug Monitoring for Reduction of Adverse Drug Reactions	43125	53225	Basic	Claire Knezevic, PhD Johns Hopkins Medical Institutes, Baltimore, MD
Use of Frequency Distribution Curves to Determine Drug Cutoffs	43126	53226	Intermediate	Amadeo Pesce, PhD, ABCC, FACB Precision Diagnostics LLC, San Diego, CA
Serum vs Plasma: Which Specimen Should You Use?	43127	53227	Basic	Jeffrey Chance, PhD BD Life Sciences - Preanalytical Systems, Franklin Lakes, NJ
Controversies and Solutions to Establishing and Maintaining a Compliant Body Fluid Testing Program	43128	53228	Basic	Darci Block, PhD, BS Mayo Clinic, Rochester, MN
Negotiating a Job Contract That Meets Everyone's Needs <i>Developed in cooperation with Society for Young Clinical Laboratorians, Management Sciences and Patient Safety Division</i>	43129	53229	Basic	Joe El-Khoury, PhD, DABCC, FACB Yale University, New Haven, CT
A Case Based Approach to Understanding the Role of the Laboratory in Transgender Care	43130	53230	Basic	Dina Greene, PhD, DABCC University of Washington, Seattle, WA
The Evolution of Next Generation Clinical Mass Spectrometry	43131	53231	Basic	Steven Wong, PhD, DABCC (TC), FACB Wake Forest University School of Medicine, Winston-Salem, NC
The Impact of the National Glycohemoglobin Standardization Program (NGSP) on HbA1c Measurement in the Clinical Laboratory	43132	53232	Intermediate	Randie Little, PhD University of Missouri at Columbia, Columbia, MO
Leveraging CLSI Guidelines for Validation of Mass Spectrometry Assays	43133	53233	Basic	Hemamalini Ketha, PhD University of Michigan, Ann Arbor, MI

MEET THE EXPERT 10:30AM - 11:30AM

Beyond Sequencing: New Frontiers in Genomics

63101

Level: Intermediate

Limited to 75 attendees

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. Jay Shendure, a renowned human geneticist. Dr. Shendure's research group pioneered exome sequencing and its application to Mendelian disorders, a strategy that has been applied to identify hundreds of disease-causing genes. Dr. Shendure will discuss efforts to develop new applications for DNA sequencing in clinical medicine, including for non-invasive diagnostics and for decomposing complex cell populations.

SPEAKER

Jay Shendure, MD, PhD

University of Washington, Seattle, WA

SYMPOSIUM 10:30AM - NOON

Integrating TDM in the Health Care Environment: Team-Based Care with Pharmacists

33103

Level: Intermediate

Pharmacists play an important role in bridging the gap between clinicians and the clinical laboratory for proper utilization of TDM results. The responsibility of laboratory scientists is to provide accurate and timely results to the providers. This session will discuss how pharmacists and laboratorians can collaborate for optimal patient care.

Invited Oral Abstracts:

Precision Medicine and Therapeutics

33104

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts in the area of precision medicine and therapeutics and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

Continuous Improvement of Your POCT Program: Patient-Centered Care, Reducing Overall Healthcare Costs, and Helping Meet the Goals of Healthcare Reform

33105

Level: Intermediate

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

In the current climate of healthcare reform, there is a requirement to provide patient-centered care, while reducing overall costs. Point-of-Care Testing (POCT) is increasingly playing an important role as it has the potential to improve operational efficiency and patient care, when implemented appropriately. This session will focus on current and future changes in POCT and how to help meet the goals of healthcare reform in accountable care organizations.

TUESDAY MORNING

SYMPOSIA 10:30AM - NOON

CDC/APHL HIV Diagnostic Testing Algorithm: Incorporating New HIV Testing Technologies and Managing Common HIV Testing Dilemmas

33106

Level: Intermediate

This session will present an overview of the CDC/APHL HIV Diagnostic Testing Algorithm with the goal to educate persons involved in HIV-testing programs on 1) the most current HIV-testing technologies; 2) incorporating HIV tests into laboratory practice; and 3) best practices on managing HIV-testing dilemmas.

Changing the Rules of the Game: Multi-Disciplinary Stakeholder Perspectives on the New 2017 Federal Regulations for Research

33107

Level: Basic

This session will focus on the changes to the Common Rule in the Federal Regulations Governing Research. Through lecture and examples, the presenters will discuss regulatory, ethical, and practical changes to the Common Rule. Specifically, the session will describe the ethical and regulatory context for the changes that were proposed, review the final changes adopted in January 2017, and will explore the impact on research for investigators, laboratory medicine, and IVD industry.

Clinical Biochemistry Hot Topics of 2017

33122

Level: Intermediate

This session highlights two speakers that have achieved significant interest from the readership of *Clinical Biochemistry*. One presentation will discuss the release mechanisms, utility, and quality of cardiac biomarkers in *Clinical Biochemistry* and other top-tiered clinical journals. The second presentation will discuss the use of EQA data to establish quality and novel approaches to manage laboratory testing.

New Harmonized Reference Ranges for Circulating Testosterone Levels in Men

33123

Level: Intermediate

Developed in cooperation with Partnership for the Accurate Testing of Hormones (PATH)

Reference intervals for testosterone are essential for diagnosis of hypogonadism in men. New reference intervals were determined using n=9054 men from four major cohort studies. Access to these revised reference intervals should improve the diagnosis of hypogonadism by having tests and reference intervals standardized to the same accuracy.

SHORT COURSE 10:30AM - NOON

Multi-Marker Testing Strategies in Women's Health

73102

Level: Basic

Multi-marker testing strategies have been used for decades to improve the diagnostic performance of laboratory tests. These strategies are extremely relevant in women's health, particularly in the background of pregnancy and cancer. Therefore, this session will focus on clinically established and developing multi-marker testing strategies that are of importance in women's health, including those for fetal aneuploidy, preeclampsia, preterm labor, and ovarian cancer.

SYMPOSIA 2:30PM - 4:00PM

Invited Oral Abstracts:

Hot Topics in Lab Medicine

33218

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts focusing on hot topics in laboratory medicine and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

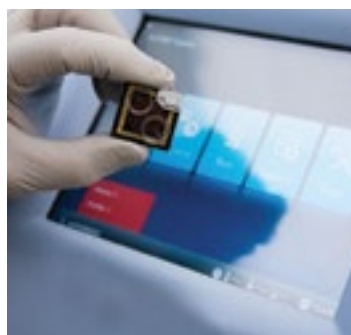
The Role and Utility of Glycated Proteins: Beyond Hemoglobin A1c

33221

Level: Intermediate

Developed in cooperation with American Diabetes Association (ADA), Clinical Society Collaboration Committee

HbA1c does not always reflect average glucose. Assays have been developed to measure other glycated proteins including fructosamine, glycated albumin and advanced glycation end-products. These markers are not altered by erythrocyte turnover but many laboratorians have limited knowledge of these markers. This session will review the role of these biomarkers and evaluate whether they provide useful information beyond HbA1c.



**FOR COMPLETE COURSE
INFORMATION, VISIT
WWW.AACC.ORG/2017AM**

SYMPOSIA 2:30PM - 5:00PM

MALDI-TOF Mass Spectrometry: Not Just for Clinical Microbiology Labs Anymore

33212

Level: Intermediate

Developed in cooperation with Proteomics & Metabolomics Division

This session will provide an introduction to MALDI-TOF mass spectrometry applications in clinical chemistry laboratories. This session uses an interactive approach to discuss the application of MALDI-TOF MS, combined with emerging technologies, for qualitative and quantitative investigation of biomarkers (peptides, proteins, DNA) and drugs of abuse.

Diseases of the Gastrointestinal System: Immune-Mediated and Infectious

33213

Level: Intermediate

Developed in cooperation with Clinical & Diagnostic Immunology Division

Many gastrointestinal disorders have an underlying immunological pathology, including autoimmune, infectious, and allergic diseases. The clinical symptoms associated with these various diseases may overlap, making for a challenging diagnosis. This session will show how laboratory testing plays a key role in helping to establish the correct diagnosis, allowing for an appropriate treatment strategy.

Cannabis Impaired Driving: Biological Markers and Behavioral Indicators of Recent Cannabis Intake

33215

Level: Basic

The short-term adverse consequence of cannabis legalization is cannabis-impaired driving. New blood cannabinoid markers and roadside oral fluid screening devices, and new Drug Evaluation and Classification Program data from cannabis-impaired drivers and following controlled cannabis administration are shared. Cannabis-impaired driving is an important public health and safety issue that affects all of us. Laboratorians may want to incorporate new analytical methods for the measurement of cannabinoid markers in blood and oral fluid. Clinical scientists need to be fully aware of the advantages and disadvantages of cannabinoid concentration laws and documentation of impairment by law enforcement to deter cannabis-impaired driving and to be upheld in court. This session will debate the most effective measures to document cannabis-impaired driving.

Determining What Works: Clinical Effectiveness and Value Based Laboratory Testing

33216

Level: Intermediate

This session will discuss the role of evidence-based laboratory medicine and how it can significantly add value to the patient-focused care pathway by addressing both analytical and clinical performance as they relate to cost and clinical effectiveness in terms of direct patient benefits and safety.

SYMPOSIA 2:30PM - 5:00PM

Serum Protein Electrophoresis Reporting: New Consensus Guidelines, Interactive Cases, and Interferences

33217

Level: Intermediate

Developed in cooperation with Canadian Society of Clinical Chemists Monoclonal Gammopathy Working Group, Clinical & Diagnostic Immunology Division

SPE reporting varies significantly between laboratories and individuals. This session will present new consensus recommendations jointly developed by laboratorians and myeloma clinicians focused on synoptic reporting. This will be followed by interactive case presentations using standardized approaches and a practical discussion of interferences, such as monoclonal therapies.

Not Out for Blood: Clinical Evaluations of Emerging Samples, Sensors, and Devices

33219

Level: Basic

Recent technological and scientific advances have enabled diagnostic approaches previously described only in science fiction, including non-invasive sampling, wearable devices, and implantable sensors. These technologies, when coupled with increased mobile connectivity, have the potential to expand access to real-time, near-patient clinical testing. This session highlights selected emerging diagnostic strategies of this type, which have shown promise in early studies in the clinic or on human volunteers.

Biomarkers of Heart Failure with Preserved Ejection Fraction

33220

Level: Intermediate

The prevalence of heart failure with preserved ejection fraction will soon exceed that of the well-established and better understood heart failure with reduced ejection fraction. This session will cover pathophysiology of heart failure with preserved ejection fraction and biomarkers that can be used for its diagnosis, monitoring and therapeutic guidance.

TUESDAY AFTERNOON

SHORT COURSES 2:30PM - 5:00PM

Genomics 101: An Interactive Workshop

73210

Level: Basic

Genomic medicine is transforming healthcare. Using a case-based, interactive small-group approach, participants will learn introductory principles related to developing genomic 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: Participants must bring a laptop for this course.

Enhancing the Diagnostic Value of Clinical Laboratory Testing Using Data Mining, Machine Learning, Informatics and Clinical Decision Support

73211

Level: Intermediate

From GPS navigation to weather forecasting, artificially intelligent systems have become ubiquitous and are now looking to transform health care. Computational Pathology draws on machine learning and data analytic strategies to allow the fields of pathology and laboratory medicine to increasingly report integrative, predictive and prescriptive information. This session will use a series of cases studies and practical synopses to illustrate key concepts related to clinical data mining, EHR optimization, machine learning and intelligent clinical decision support.

SYMPOSIUM 4:00PM - 5:00PM

Laboratory Medicine Family Feud: AACC Leadership vs SYCL

33214

Level: Basic

This session will cover various areas of laboratory medicine including biomarkers (oncology/cardiovascular), molecular testing, POCT, TDM/Toxicology and over utilized or outdated tests. These topics will be covered using the Family Feud style game pitting AACC leadership against SYCL members.



WEDNESDAY AUGUST 2

PLENARY & EDUCATION SESSIONS

PLENARY SESSION 14001
**ANTIBIOTIC RESISTANCE:
A PUBLIC HEALTH CRISIS**



VICTORIA J. FRASER, MD

Washington University School of Medicine,
St. Louis, MO

WEDNESDAY, AUGUST 2
8:45am - 10:15am
Level: Basic

SESSION OVERVIEW

Infections with antibiotic resistant bacteria have become a major problem in the United States and throughout the world with a significant effect on morbidity and mortality. In this presentation, the major challenges in antimicrobial resistance nationwide as well as the evolving diagnostic tools and strategies for prevention and control of antimicrobial resistance in hospitals will be discussed. In addition, the important role of the clinical pathology laboratory in infection prevention and antimicrobial stewardship will be reviewed.

**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 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
Thyroid Function and Laboratory Assessment of Thyroid Disease	44101	54201	Intermediate	David Kemble, PhD Dartmouth-Hitchcock Medical Center, Lebanon, NH
Innovative Applications in the Work-up of Primary Aldosteronism: Assays and Diagnostic Management Teams	44102	54202	Intermediate	Joseph Wiencek, PhD Vanderbilt University School of Medicine, Nashville, TN
Syphilis Testing Triple-A: Advancements, Automation, Algorithms	44103	54203	Basic	Vera Tesic, MD University of Chicago, Chicago, IL
How Statistics Influence Our Clinical Decisions	44104	54204	Basic	Oswald Sonntag, PhD Bio-Rad Laboratories, Munchen, Germany
What's THAT?—Real World Troubleshooting	44105	54205	Intermediate	Danyel Tacker, PhD, FACB, DABCC West Virginia University, Morgantown, WV
Overview of Marijuana Metabolites, Pharmacokinetics, and the Utility of Potential Biomarkers	44106	54206	Basic	Breland Smith, PhD, ASCP, C University of California, San Diego, San Diego, CA
Evaluation of MALDI-TOF Mass Spectrometry for Pharmacogenetic Testing in Clinical Laboratories	44108	54208	Basic	Fang Wu, PhD University of Utah and ARUP Laboratories, Salt Lake City, UT
Procalcitonin and Lactate—The Community Hospital Example	44109	54209	Basic	Maria Gauthreaux, MSHSA, BS, MT(ASCP) West Kendall Baptist Hospital, Miami, FL
Natriuretic Peptides: Testing BNP and NT-proBNP with Neprilysin Inhibitors	44110	54210	Basic	Sean Campbell, PhD University of Virginia Health System, Charlottesville, VA
The CDC Vitamin D Standardization-Certification Program (VDSCP): Improving the Clinical Measurement of Total 25-Hydroxyvitamin D	44111	54211	Intermediate	Otoe Sugahara Centers for Disease Control and Prevention, Atlanta, GA
Minimal Residual Disease in Multiple Myeloma: The Need for More Sensitive Assays?	44112	54212	Basic	Dorothy Truong, PhD University of Toronto, Richmond Hill, ON, Canada
Sepsis Biomarkers and the Role of the Laboratory	44114	54214	Basic	Angela Fung, PhD University of Toronto, Toronto, ON, Canada
Liquid Biopsy: A New Trend in Clinical Testing	44115	54215	Basic	Ventzi Hristova, PhD Johns Hopkins School of Medicine, Baltimore, MD

TITLE	SESSION AM	NUMBER PM	LEVEL	SPEAKERS
A Dirty Assay: Challenges of PTH Estimation and Progress in PTH Harmonization	44116	54216	Intermediate	Asmita Hazra, MBBS, MD Christian Medical College Vellore, Tamil Nadu, India
Emerging Trends in Vitamin Supplementation	44117	54217	Intermediate	Carmen Gherasim, PhD University of Utah, Salt Lake City, UT
Drug Screens: Basic Principles, Principle Problems, and Future Approaches	44118	54218	Basic	Mitchell McGill, PhD Washington University School of Medicine, St. Louis, MO
Case Studies: Acceptability of Patient Risk at Monthly/Regular QC Review	44119	54219	Intermediate	Zoe Brooks, ART, CSMLS AWEsome Numbers Inc., Worthington, ON, Canada
Strategy for Provider-Performed Microscopy Testing Competency Management	44120	54220	Basic	Hoi-Ying (Elsie) Yu, PhD, DABCC, FACB Geisinger Health System, Danville, PA
Designing a Successful Point-of-Care Testing Program: Survival Guide for New Laboratory Directors <i>Developed in cooperation with SYCL</i>	44121	54221	Basic	Rob Nerenz, PhD, DABCC Dartmouth-Hitchcock Medical Center, Lebanon, NH
Methods to Detect Circulating MicroRNAs (miRNAs) in the Clinical Laboratory	44122	54222	Basic	Nicole White-Al Habeeb, PhD Hospital for Sick Children, Toronto, ON, Canada
Testing for Alpha 1-Antitrypsin Deficiency	44123	54223	Intermediate	Joshua Bornhorst, PhD, DABCC University of Arkansas for Medical Sciences, Little Rock, AR
Discrepancies in HIV Screening and Confirmation Results	44124	54224	Intermediate	Anthony Okorodudu, PhD, MBA, DABCC University of Texas Medical Branch, Galveston, TX
Counting on AMH Immunoassays	44125	54225	Intermediate	Geralyn Lambert-Messerlian, PhD, FACB Women & Infants Hospital and the Alpert Medical School of Brown University, Providence, RI
Biotin-Related Interference with Immunoassay Methodologies	44126	54226	Intermediate	Randal Schneider, PhD Abbott Diagnostics, Waterford, WI
Digging Deep: Tackling Difficult Lab Safety Issues	44127	54227	Intermediate	Dan Scungio, BS, MT(ASCP), SLS Sentara Healthcare, Hampton, VA
Management of Incidental Laboratory Findings	44128	54228	Intermediate	Michael Lewis, MD, MBA University of Vermont Medical Center, Burlington, VT
Case Studies in Clinical Toxicology—How to Make Sense of Urine Drug Screen Results	44129	54229	Basic	Hemamalini Ketha, PhD University of Michigan, Ann Arbor, MI
C. difficile Testing—A Wealth of Opportunity	44130	54230	Intermediate	Stacy Beal, MD University of Florida Health - Shands, Gainesville, FL

MEET THE EXPERT 10:30AM - 11:30AM

Antibiotic Resistance: A Public Health Crisis

64101

Level: Basic

Limited to 75 attendees

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. Victoria Fraser, a distinguished infectious disease physician who studies the epidemiology of nosocomial infections including surgical site infections, blood stream infections and ventilator-associated pneumonia. Dr. Fraser will discuss the evolving diagnostic tools and strategies for prevention and control of antimicrobial resistance in hospitals. In addition, the important role of the clinical pathology laboratory in infection prevention and antimicrobial stewardship will be reviewed.

SPEAKER

Victoria J. Fraser, MD

Washington University School of Medicine, St Louis, MO

SYMPOSIA 10:30AM - NOON

The Role of the Clinical Laboratory in Antimicrobial Stewardship

34103

Level: Intermediate

Although antibiotics have transformed the practice of medicine, up to half of antibiotic prescriptions are either unnecessary or inappropriate. Antimicrobial Stewardship programs facilitate optimal use of antimicrobial agents and are being required by regulatory agencies. This session will describe the role of the clinical laboratory in Antimicrobial Stewardship programs.

Practical Considerations for Realizing Precision Oncology in Clinical Laboratories

34104

Level: Advanced

Developed in cooperation with Molecular Pathology Division

Precision Medicine is at the center of scientific, clinical and governmental meetings and publications. There are however, practical considerations that need to be addressed before venturing on to genomic testing. This session will discuss and debate the pros and cons of implementing Precision Oncology in a routine clinical laboratory.

Antiphospholipid Syndrome: Clinical Presentation and Laboratory Investigation

34105

Level: Intermediate

Developed in cooperation with Clinical & Diagnostic Immunology Division, Hematology & Coagulation Division

This session will review the clinical presentation, laboratory diagnosis including specialized testing, and treatment of antiphospholipid syndrome (APS). The presentation will conclude with case scenarios that highlight the teaching points from the presentation.

SYMPOSIA 10:30AM - NOON

Non-Harmonized Results Cause Medical Errors—Unless We Prevent Them

34106

Level: Intermediate

Non-harmonized laboratory results can lead to misclassification of patients and inconsistent patient care decisions. This problem is minimized by correctly calibrating laboratory tests using appropriate commutable reference materials and have target values assigned with generally accepted reference procedures. To achieve harmonized and reliable laboratory test results, the clinical laboratory needs to collaborate with new and traditional stakeholders to inform them about the clinical needs and analytical requirements, and to promote programs to achieve harmonized, high quality laboratory test results.

Invited Oral Abstracts:

Point-of-Care Testing

34107

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts in the area of point-of-care testing and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

Relevant, Practical and Novel Topics from the *Journal of Applied Laboratory Medicine*

34121

Level: Intermediate

This session showcases a collection of topics that were published and well received in the *Journal of Applied Laboratory Medicine*. Results from the ASSESS study; utilization of the AACC Universal Sample Bank; development of a LC MS/MS method for measuring atovaquone; and lipid recommendations from evidence-based laboratory medicine will be discussed.

SHORT COURSE 10:30AM - NOON

Clinical and Laboratory Aspects of Monoclonal Antibody Therapeutics

74102

Level: Intermediate

Developed in cooperation with Clinical & Diagnostic Immunology Division

Monoclonal antibodies represent a unique class of therapeutic agents. These molecules are used to treat a variety of diseases, including solid-organ tumors, hematological malignancies, rheumatological disorders, and autoimmune gastrointestinal diseases. The clinical laboratory can make critical contributions to the management of patients receiving these treatments through quantitative measurement of the therapeutic antibodies and assessment of anti-drug antibodies. However, it is important to recognize that these drugs can also pose challenges through interference in some existing laboratory tests.

This session will provide laboratorians with information relevant to the utility of monoclonal antibodies as therapies. As more and more monoclonal antibodies are approved for clinical use, the role of the clinical laboratory will continue to expand, with two main perspectives: the quantitation of antibody therapeutics and detection of anti-drug antibodies with specialized testing, and the recognition of this new class of therapies as interferents in routine testing and their impact on patient care.

SYMPOSIUM 2:30PM - 4:00PM

Invited Oral Abstracts:

Global Health

34218

Level: Intermediate

AACC is dedicated to advancing the science and practice of laboratory medicine. A select group of members has reviewed and ranked the abstracts submitted for the AACC annual scientific meeting. The Annual Meeting Organizing Committee has reviewed the accepted abstracts in the area of global health and has chosen five authors to present their research as oral presentations. Each 15-minute presentation will be followed by a 3-minute question-and-answer session.

SYMPOSIA 2:30PM - 5:00PM

Ethics in Laboratory Medicine

34207

Level: Basic

This session will focus on ethical and legal issues surrounding evolving technologies and laboratory medicine. Through lecture and case studies, the presenters will discuss the legal and ethical considerations around screening and testing for drugs of abuse, the implications of CRISPR-CAS9 and mitochondrial replacement, the interaction of HIPAA and CLIA regulations, and the ethical limits of next generation sequencing and biospecimen banking.

High-Sensitivity Cardiac Troponin: As With Every New Tool, There is a Learning Curve

34213

Level: Intermediate

This session will engage the audience in the latest guidelines, developments, and interactive sessions on how clinical chemistry tests can be best utilized for early decision making in the emergency department for patients presenting with chest pain. The session will lead off with a debate from the ED perspective on new guidelines, followed by case studies demonstrating use of cardiac troponin and new published algorithms in this evolving area.

AACC/ASCLS Healthcare Forum: Government Affairs Update

34214

Level: Intermediate

Developed in cooperation with ASCLS

This session will address FDA efforts to regulate laboratory developed tests; CMS implementation of a market-based laboratory fee schedule; an update on changes to the Clinical Laboratory Improvement Amendments program; and a big picture overview on future changes to the laboratory industry and how it operates.

SYMPOSIA 2:30PM - 5:00PM

**Current Practices and New Innovations
in Newborn Screening**

34215

Level: Intermediate

Developed in cooperation with CDC (Centers for Disease Control and Prevention), CLSI (Clinical Laboratory Standards Institute), Pediatric and Maternal-Fetal Division

Newborn screening is widely known to improve health outcomes through early detection and treatment of a number of congenital disorders. However, there are many challenges with laboratory testing, communication of test results, treatment and follow-up. This session will provide an overview of newborn screening and discuss the aforementioned challenges in light of current practice and new innovations.

**Precision Medicine Guided
Pharmacotherapy in Cancer**

34216

Level: Intermediate

Developed in cooperation with Personalized Medicine Division, TDM & Toxicology Division

This session will discuss Genomics, Transcriptomics and Systems Biology-based drug selection for the treatment of cancer patients. This will be followed by a clinician's perspective and experience in treating patients accordingly. The session will culminate with an overview of the potential roles of novel biomarkers and therapeutic drug monitoring in the treatment of cancer with off-label and experimental drugs.

**Beyond the Traditional Environments:
Defining the Role of Laboratory
Medicine in Pharmacy and Direct
to Consumer Testing**

34219

Level: Intermediate

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

This interactive audience participation session will identify the current limitations of clinical testing in emerging models of patient-centered care and will outline a call to action for clinical laboratorians. Expert speakers will discuss the potential strengths, challenges, and opportunities associated with testing in retail pharmacy settings, integrating personal devices for at-home disease monitoring, and in direct to consumer (DTC) testing for facilitating patient engagement and improving outcomes.

**Data Automation and Informatics with R:
Application Showcase**

34220

Level: Basic

This session will demonstrate the versatility and power of the R statistical programming language in application to clinical laboratory medicine by showcasing tools that have been built and implemented by the speakers. Applications will range over topics of machine learning, method evaluation, automated report generation, and instrument interfacing.

SHORT COURSES 2:30PM - 5:00PM

Laboratory Medicine Steps Up to the Plate: The Role of the Laboratory Professional in Reducing Diagnostic Error and Improving Test Utilization and Interpretation

74210

Level: Intermediate

Medical errors are the third leading cause of death in the United States; diagnostic errors are estimated to result in up to 80,000 deaths annually. In 2015, The National Academies of Sciences, Engineering and Medicine generated the Improving Diagnosis in Health Care report, which endorsed the facilitation of more effective teamwork in the diagnostic process. This session will provide tools to enable laboratorians to effectively participate in clinical teams through the identification of laboratory testing contributions to diagnostic errors, improvement of test utilization, and the delivery of clinically relevant interpretations of laboratory tests.

New Definitions and Guidelines for Management of the Septic Patient—The Novel and Essential Role of the Laboratorian on the Clinical Team

74211

Level: Intermediate

Sepsis remains a critical health problem and is the leading cause of death in non-cardiac intensive care units, requiring a need for early detection and intervention to reduce mortality. This session will highlight new guidelines in the diagnosis and monitoring of sepsis, and provide both the clinical laboratorian's and physician's perspectives on managing the septic patient. During this interactive session, the audience will debate the merits and applicability of the new guidelines as well the potential contributions of biomarkers, including lactate and procalcitonin, in sepsis management.

SYMPOSIUM 4:00PM - 5:00PM

Infectious Disease Quiz Show

34212

Level: Intermediate

This case-based session will highlight advancements in the diagnosis of infectious disease of interest to a broad laboratory medicine audience. Using a "Quiz Show" format, audience members will participate via an audience response system. Topics will include Zika virus, mass spectrometry, antimicrobial resistance, and more.



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Connect — to the world's largest community of clinical laboratory scientists.

Grow — with the premier education, information, collaboration, and leadership resources in the field.

Advance — your specialty, your profession, and your career through shared knowledge and solutions.

AACC

*Better health through
laboratory medicine.*



THURSDAY AUGUST 3

PLENARY & EDUCATION SESSIONS

PLENARY SESSION 15001

MODERN, EFFECTIVE CARE FOR SUBSTANCE USE DISORDERS: FINDINGS FROM THE 2016 SURGEON GENERAL'S FACING ADDICTION REPORT



A. THOMAS McLELLAN, PhD

Treatment Research Institute,
Philadelphia, PA

THURSDAY, AUGUST 3

8:45am - 10:15am

Level: Basic

SESSION OVERVIEW

Over 22 million Americans meet medical diagnostic criteria for “addiction” to alcohol and/or other drugs. Substance misuse and addiction cost our country over \$400 billion annually and are implicated in over 70% of deaths among adolescents. Overall prevalence rates and costs have not declined over the decades leading to the view that substance misuse and addiction may simply be an intractable part of our culture. But there is one exception—cigarette use. The prevalence, health harms and costs associated with cigarette use have been dramatically reduced over the past four decades as a direct result of broadly applied science-based public health policies and clinical practices. Using the three decades of research reviewed and synthesized in the recent Surgeon General’s Report entitled “Facing Addiction in the United States,” this presentation argues that a similar science-based strategy would be possible, practical and cost effective to implement, with potential public benefits comparable those seen with cigarettes.

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
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- 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.

MEET THE EXPERT 10:30AM - 11:30AM

Modern, Effective Care for Substance Use Disorders: Findings from the 2016 Surgeon General's Facing Addiction Report

65101

Level: Basic

Limited to 75 attendees

This session provides an excellent opportunity for a limited number of attendees to meet with Dr. A. Thomas McLellan, Retired Deputy Director of Office of National Drug Control Policy and Founder & Chairman Treatment Research Institute. Dr. McLellan was the principal developer of the Addiction Severity Index (ASI) and the Treatment Services Review (TSR), widely used substance abuse instruments. Dr. McLellan will discuss the 2016 Surgeon General's Report entitled "Facing Addiction in the United States," and strategies to combat the addiction epidemic.

SPEAKER

A. Thomas McLellan, PhD

Treatment Research Institute, Philadelphia, PA

SYMPOSIA 10:30AM - NOON

The Burden of Proof for Point-of-Care Glucose Monitoring in Critically Ill Patients

35103

Level: Intermediate

This session will explore the use of point-of-care (POC) glucose measurements in populations that may contain critically ill patients. The audience will be asked to decide who has the "burden of proof" for defining critically ill populations: regulatory agencies, device manufacturers, or healthcare institutions. Speakers will cover the current clinical indications and regulatory issues from the laboratory and IVD manufacturer perspective. Following the lectures, audience members will divide into groups based on who should assume the burden of proof and justify their choice to session participants.

Global Issues Regarding High Sensitivity Cardiac Troponin Assays: Shifting Strategies to Early Rule Out of Myocardial Injury and Defining Appropriate Cutoffs for Outcomes Assessment

35104

Level: Advanced

Developed in cooperation with American College of Cardiology, Society of Academic Emergency Medicine, Clinical Collaborations Society Committee

This session will address high-sensitivity cardiac troponin assays (hs-cTnI, hs-cTnT) for a) the early rule out of myocardial injury and b) defining appropriate population cutoffs for outcome risk assessment of adverse events. Evidence-based strategies and test utilization will be emphasized.

At the Juncture of Pain Management and Addiction

35106

Level: Basic

Alleviation of pain with opioids presents risks for addiction. Urine drug testing may be used to assess and monitor patients, but interpretation of results is not always straightforward. Most patients are managed by primary care physicians; however, those that are at high risk require management by specialists in pain management and addiction. This session will focus on the physician perspective regarding clinical decision making with opioids and the laboratorian's role as clinical consultant. The session will be case-based and involve audience participation through cellular devices.

SHORT COURSE 10:30AM - NOON

Introduction to Translational and Clinical Metabolomics for Personalized Medicine

75102

Level: Basic

The metabolome is a sum of all primary and secondary metabolites in a biological sample, which change as a function of health, time, and disease. They include endogenous and exogenous metabolites as a result of exposure to drugs, plants, and environment. Metabolomics is the analytical measurement of these metabolites. These measurements reflect the status of health, nutrition, infection and diseases. A key aspect of metabolomics is the utilization of state-of-the-art mass spectrometric approaches to detect and identify metabolites in biological fluids and tissues. While these technologies are extremely powerful to translational and clinical investigations, they also have a steep learning curve. This session will help define what is needed to overcome this barrier.



FOR COMPLETE COURSE
INFORMATION, VISIT
WWW.AACC.ORG/2017AM



AACC SPONSORED SPECIAL EVENTS

SATURDAY, JULY 29

SYCL WORKSHOP & MIXER

Developing an Influential Leadership Role for Laboratory Professionals

1:00pm - 5:30pm (Mixer 6:00pm - 8:00pm)

Marriott Marquis San Diego Marina

Sponsored by ARUP Laboratories, Beckman Coulter, Inc., Phenomenex, Sysmex America, Inc., Thermo Fisher Scientific, UTAK Laboratories, and Waters Corporation.

With an ever-changing healthcare landscape, it's becoming more important for laboratory professionals to possess strategic business skills to understand and manage finances, vendors, staff training, and facilities.

Learn from the experts in this interactive workshop designed to help you enhance your ability to build relationships, negotiate contracts, engage your team and develop an influential leadership role in the laboratory. Get industry and academic perspectives on leadership and management as well as see practical tips that you can implement in your facility.

Attendees will interact with each other and share information with the entire room.

Michael Astion, MD, PhD, Seattle Children's Hospital, Seattle, WA
*How to Create Impactful Business Relationships:
Academic Perspective*

Sue Evans, PhD, BioDecisions Consulting, Los Gatos, CA
*How to Create Impactful Business Relationships:
Industry Perspective*

**Juan David Garcia, MBA, BS(MT), New York Presbyterian
Weill Cornell Medical Center, New York, NY**
How to Effectively Negotiate Lab Contracts

Josie Foranoe, MT ASCP, Florida Hospital, Orlando, FL
Engaging Your Team from Good to Great

Attending this workshop will provide 4.0 ACCENT credits.

Immediately following the workshop will be the annual SYCL mixer. Light fare and beverages will be served along with a raffle to raise funds for SYCL travel grants. Donations accepted at the door. It will be all hands on deck at this year's "Anchors Aweigh" networking reception.

Registration

AACC Member/Non-member: \$50

Register early. Space is limited to 75 registrants.
Registration includes the workshop and mixer.

SATURDAY, JULY 29

22ND ANNUAL MANAGEMENT SCIENCES & PATIENT SAFETY LEADERSHIP SEMINAR

Driving Quality Through a Culture of Safety

5:30pm - 8:30pm

Marriott Marquis San Diego Marina

Sponsored by the AACC Management Sciences and Patient Safety Division.

A strong and mature Safety Culture can be instrumental in driving quality to a new level. Innovative processes have been developed to ensure safe management of specimens. Quality dashboards align expectations for laboratory staff. AACC's 22nd Annual Management Sciences and Patient Safety Leadership Seminar will focus on a safety program that can promote quality outcomes. Our speaker, Lou Ann Wyer, Laboratory Director for Sentara Healthcare, will discuss processes that have improved quality outcomes in the Laboratory, from integration to standardization.

Lou Ann Wyer, MS, MT(ASCP), CQA(ASQ)
Sentara Healthcare, Norfolk, VA

Registration

AACC Member/Non-member: \$20

MONDAY, JULY 31

LVD DIVISION DINNER LECTURES & AWARDS

5:30pm - 9:30pm

Marriott Marquis San Diego Marina

Sponsored by the AACC Lipoproteins and Vascular Diseases Division.

LVDD members are invited to this annual awards celebration and scientific session on current topics in cardiovascular disease. A one-hour reception and poster viewing period will be followed by an awards presentation, a three-course dinner and a scientific presentation.

Registration

AACC Member/Non-member: \$50

Registration includes a reception, awards presentation, and dinner followed by scientific presentation.

TUESDAY, AUGUST 1



MASS SPECTROMETRY & SEPARATION SCIENCES DIVISION MASS SPECTACULAR

7:00pm - 11:00pm

Marriott Marquis San Diego Marina

*Sponsored by Mass Spectrometry and Separation Sciences Division
and the Proteomics and Metabolomics Division.*

MSSS Division and Proteomics and Metabolomics Division members are invited to this awards ceremony, dinner and celebration. The night will begin with an awards presentation for Proteomics and Metabolomics Division poster abstracts, and Mass Spectrometry Division poster abstracts and contributions. Brief presentations will follow on new and available technologies, and the evening will conclude with live music, networking and a raffle.

Registration

AACC Member/Non-member: \$10
(includes a drink ticket and a raffle ticket)

TUESDAY, AUGUST 1



NUTRITION DIVISION NETWORKING SEMINAR

6:00pm - 9:30pm

Marriott Marquis San Diego Marina

Sponsored by the AACC Nutrition Division.

Acute lymphoblastic leukemia (cALL) is the most common childhood malignancy. The remarkable progress in its treatment based on risk stratification and improved clinical support, has lead during the last two decades to an always-increasing survival rate. This success is however unfortunately linked to risks of secondary diseases including metabolic bone disease. Skeletal changes that include metaphyseal bands, periosteal reaction, osteolysis, sclerosis and osteoporosis leading to vertebral compression, observed at the time of diagnosis have been attributed to the disease process per se. In addition the severe treatment protocols that include methotrexate and glucocorticoids have been claimed aggravating factors in the impaired accumulation of skeletal mass during childhood and adolescence, predisposing these patients to osteoporosis and pathological fractures in early adulthood.

Edgard Delvin, PhD

CHU Sainte-Justine Research Centre, Montreal, Canada

Registration

AACC Member/Non-member: \$20

THURSDAY, AUGUST 3



15TH ANNUAL POINT-OF-CARE COORDINATORS FORUM

Nursing and POC Teams: Working for the Same Goal

7:30am - 10:00am

San Diego Convention Center

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

AACC's Point-of-Care Coordinators Forum will highlight the interpersonal relationship between Nursing personnel and POCT. Our speaker, Judy Prewitt, DUH Magnet Program Director, DUHS ACNO Practice, Magnet, & Research, DUHS Chair, MedSurg PERT, will focus on Point-of-Care Testing from a Nurse's perspective. She will emphasize the importance of the relationship between POCT Coordinators and Nursing Staff to provide a better understanding of each role and how to work together to provide the best patient care.

Following the presentation, a panel consisting of representatives from POCT, Nursing, Perfusion, and Respiratory Therapy will discuss communication issues and answer questions from the audience.

Judy Prewitt, DNP, RN, AOCN, NEA-BC

Duke University Hospital, Durham, NC

Registration

AACC Member/Non-member: \$20

GOVERNANCE & SPECIAL EVENTS

SATURDAY, JULY 29

7:00am - 2:00pm	CACB Oral Exams
8:00am - 5:00pm	CSCC Council Meeting
11:00am - 3:00pm	AACC History Division Annual Meeting
Noon - 4:00pm	CACB Board of Directors Meeting
1:00pm - 4:00pm	Management and Sciences and Patient Safety Division Executive Committee Meeting
1:00pm - 5:30pm	SYCL Workshop: Developing an Influential Leadership Role for Laboratory Professionals
2:00pm - 4:30pm	NGSP Steering Committee Meeting
5:30pm - 8:30pm	22nd Annual Management Sciences and Patient Safety Leadership Seminar
6:00pm - 8:00pm	SYCL Mixer

SUNDAY, JULY 30

7:30am - 9:00am	CSCC Annual Meetings Committee Meeting
8:00am - 12:30pm	CACB Oral Exams
Noon - 2:30pm	NGSP Steering Committee Meeting
12:30pm - 4:30pm	GLQI Mini-Workshop: Adding Value to Patient Care Using Quality Control
2:00pm - 4:00pm	AACC Philadelphia Local Section: Mini-Symposium: Current Topics in Lab Medicine
6:45pm - 8:00pm	AACC Community Opening Mixer
7:30pm - 9:00pm	Pediatric and Maternal-Fetal, Industry, Informatics and Clinical Translational Science Divisions Joint Mixer

MONDAY, JULY 31

6:30am - 8:00am	OVS/NEO/Michigan Location Sections Joint Breakfast
7:00am - 8:30am	Southeast Section Breakfast and Business Meeting
7:00am - 9:00am	Tumors Markers and Cancer Diagnostics Division Inaugural Lecture
7:30am - 10:30am	CALIPER Breakfast
Noon - 1:30pm	CTS Division Lunch and Learn IFCC Working Group for PTH NGSP IFCC Manufacturer Forum
Noon - 2:00pm	Molecular Pathology Poster Awards Session TDM/Toxicology Division Membership Meeting and Luncheon
1:00pm - 2:00pm	Student Oral Presentations
1:00pm - 3:00pm	AACC Industry Division Membership Meeting
2:15pm - 3:30pm	Student Poster Presentations
5:30pm - 9:30pm	LVD Division Dinner Lectures and Awards
6:15pm - 7:45pm	Joint ABCC/SYCL Reception

TUESDAY, AUGUST 1

Noon - 2:00pm	Joint Personalized Medicine and Molecular Pathology Division Luncheon and Awards Presentation
1:00pm - 2:00pm	Personalized Medicine Division Board Meeting
4:30pm - 6:30pm	CSCC Canada Party
5:30pm - 6:30pm	LVD Division Executive Committee Meeting
5:30pm - 7:30pm	Washington University School of Medicine Alumni Reception
6:00pm - 7:30pm	CPOCT Division Business Meeting and Mixer University of Toronto Alumni and Friends Reception
6:00pm - 9:30pm	Nutrition Division Networking Seminar
7:00pm - 11:00pm	Mass Spectrometry and Separation Sciences Division Mass Spectacular
7:30pm - 10:30pm	CPOCT Division Afterglow

WEDNESDAY, AUGUST 2

7:00am - 9:00am	C-peptide/Insulin Standardization Manufacturer Meeting
Noon - 1:30pm	CSCC AGM Luncheon and Awards
Noon - 2:00pm	AACC Academy Membership Meeting and Luncheon
1:00pm - 2:00pm	CACB AGM and Award Ceremony

THURSDAY, AUGUST 3

7:00am - 9:00am	CACB First Board of Directors Meeting CSCC First Council Meeting
7:30am - 10:00am	15th Annual Point-of-Care Coordinators Forum

REGISTRATION POLICIES & PROCEDURES

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 waitlist 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 ticket fee only; there's no daily registration fee for Sunday.

Guest/Spouse: One guest 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

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.

NEW! AACC MEMBER REGISTRATION

If your AACC Membership will expire before the last day of the meeting (August 3, 2017), then you must renew your membership when you register to be eligible for the member discount. Your membership is valid for one year from the date your payment is processed or one year from your current expiration date, whichever is later.

REGISTRATION FEES

Save up to \$280 on your registration by joining AACC today!
You may join at the same time as you register.

	EARLY FEES Received by 6/15/2017	REGULAR FEES Received after 6/15/2017
Conference Registration		
AACC Member (Professional, Professional Affiliate and Transitional)	\$595	\$735
CSCC Member	\$595	\$735
Non-Member	\$875	\$1015
AACC Trainee Member	\$185	\$200
Trainee/Student Non-member (Including AACC Trainee Membership*)	\$222	\$237
AACC Emeritus Member	\$185	\$200
Sunday Daily Registration	\$0	\$0
Daily Registration (Mon-Thurs)	\$470	\$540
Guest/Spouse Registration	\$185	\$200

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
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CONFERENCE RECORDING

The 69th AACC Annual Scientific Meeting will be recorded and is available for purchase. The recording will include audio and presentation slides from most of the scientific sessions offered during the Annual Scientific Meeting. The recording is \$199 if purchased with your registration and \$299 if purchased after the close of the meeting (August 3, 2017, 1:00pm PDT). After purchase, the recordings will be available to download approximately two weeks after the close of the meeting.

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		\$	\$	\$	\$	\$
AACC Community Opening Mixer Sunday, July 30		✓	✓	✓	✗	✗
Clinical Lab Expo Exhibit Hall, August 1 - 3		✓	✓	✓	✓	✗
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 69th 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.

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.

3 WAYS TO REGISTER



ONLINE www.aacc.org/2017am

PRINT a registration form at
www.aacc.org/2017am



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

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/2017am.

CANCELLATION POLICY

- If a Conference registrant is unable to attend, registration may be transferred to another person through June 15, 2017.
 - Contact the Customer Service Center for details.
 - No Conference registration transfers are permitted after June 15, 2017.
- All Conference cancellations must be received in writing.
 - Written cancellations received by June 15, 2017, will be assessed a \$50 processing fee.
 - No refunds will be granted after June 15, 2017.
- There will be no cancellations, refunds, or transfers of Expo Only registration fees.

EXPO ONLY REGISTRATION

- To register for the Expo only:
 - Register online at www.aacc.org/2017am.
 - Print an Expo Only registration form at www.aacc.org/2017am and fax or mail it according to instructions on the form.
 - Call +1 508.743.8506.

Convention Data Services (CDS) is the only authorized registration vendor for the 69th AACC Annual Scientific Meeting & Clinical Lab Expo. If you are contacted by any company other than CDS regarding registration, please note that these companies are not authorized to represent AACC nor do they have access to registration.

FOR QUESTIONS
ABOUT REGISTRATION,
CALL +1 508.743.8506

AACC access PROGRAM

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 and student travel 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.

As one past international travel grantee describes her experience:

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

– Dr. Rozaliya Todorova



DONATE TODAY. HERE'S HOW:

- Go to www.aacc.org/about-aacc/access/contribute
- Call Stefanie Kleinman at +1 800.892.1400, ext. 1712, or at +1 202.835.8712
- Email Stefanie Kleinman at skleinman@aacc.org
- Donate when you register

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.

GENERAL INFORMATION

REGISTRATION HOURS

Saturday, July 29	Noon - 5:00pm
Sunday, July 30	8:00am - 6:30pm
Monday, July 31	7:00am - 5:00pm
Tuesday, August 1	7:00am - 5:00pm
Wednesday, August 2	7:00am - 5:00pm
Thursday, August 3	8:00am - 1:00pm

Registration will be located in Exhibit Hall Lobby, outside Hall D of the San Diego Convention Center.

ACTIVITY LOCATIONS

San Diego 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.

Marriot Marquis San Diego Marina

- AACC Governance Meetings
- Industry Workshops
- Affiliated Organization Meetings
- SYCL Networking Reception
- AACC Community Opening Mixer

Manchester Grand Hall

- AACC Governance Meetings
- Industry Workshops
- Affiliated Organization Meetings

GETTING TO SESSIONS AND THE CLINICAL LAB EXPO

AACC Shuttle Service

Complimentary shuttle service between most of the official AACC hotels and San Diego Convention Center runs from 8:30am on Sunday, July 30, 2017 through the afternoon on Thursday, August 3, 2017. Shuttle schedules and additional information will be available at your hotel and at the Convention Center.

TRAVEL AND TRANSPORTATION

Use these travel resources to book your flights, or rent a car and travel around San Diego. 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

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 San Diego Convention Center during shuttle bus hours.

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

TO MAKE HOTEL RESERVATIONS

PHONE

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

FAX

+1 703.631.1167

MAIL

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

ONLINE

www.aacc.org/2017am



HOUSING RESERVATION DEADLINE: JULY 5, 2017

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 58. 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 9, 2017.
- **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 5, 2017. If you change your reservation after July 7, 2017, 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.

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.

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.

HOLD A FREE PRESS CONFERENCE AT AACC 2017

Don't miss your chance to hold a press conference at the world's largest gathering for laboratory medicine. Two press conference rooms will be available at the San Diego Convention Center for registered convention attendees who wish to share news with the media.

AACC will provide:

- Seating for 36 people.
- A podium including a microphone and sound system.
- An LCD projector and a projection screen. (A laptop for PowerPoint presentations is not provided.)
- Speakerphone capability in each press conference room.

Organizations holding press conferences will be responsible for providing call-in numbers for their event and for promoting call-in information to reporters who are covering it remotely.

Each organization approved for a press conference will be entirely responsible for promoting the event.

All press conference attendees must be registered to attend the 69th AACC Annual Scientific Meeting & Clinical Lab Expo.

Press conferences will begin each hour, on the hour, and may last no longer than 45 minutes. Organizations may reserve only one 45 minute time slot during the following days and times:

TUESDAY, AUGUST 1	9:00am - 5:00pm
WEDNESDAY, AUGUST 2	9:00am - 5:00pm

Contact Christine DeLong, AACC Communications Manager, at cdelong@aacc.org to reserve your conference room.

HOTEL INFORMATION

	Hotel	Address	Fitness Center	Restaurant	Room Service	Miles To Convention Center
1	Andaz San Diego	600 F Street	+	+	+	0.70
2	Courtyard by Marriott San Diego Downtown	530 Broadway	+	+	+	0.80
3	Courtyard San Diego Gaslamp/Convention Center	453 6th Avenue	+	+		0.30
4	DoubleTree San Diego Downtown	1646 Front Street	+	+	+	1.00
5	Embassy Suites San Diego Bay- Downtown	601 Pacific Highway	+	+	+	0.40
6	Four Points by Sheraton San Diego Downtown	1617 1st Avenue	+	+	+	1.00
7	Hampton Inn San Diego Downtown	1531 Pacific Highway	+			2.00
8	Hard Rock Hotel San Diego	207 5th Avenue	+	+	+	0.10
9	Hilton Garden Inn San Diego Downtown/Bayside	2137 Pacific Highway	+	+	+	2.00
10	Hilton San Diego Airport/Harbor Island	1960 Harbor Island Drive	+	+	+	5.00
11	Hilton San Diego Bayfront	One Park Boulevard	+	+	+	0.00
12	Hilton San Diego Gaslamp Quarter Hotel	401 K Street	+	+	+	0.10
13	Homewood Suites by Hilton San Diego Downtown/Bayside	2137 Pacific Highway	+	+	+	2.00
14	Horton Grand Hotel	311 Island Avenue		+	+	0.30
15	Hotel Solamar, A Kimpton Hotel	435 6th Avenue	+	+	+	0.30
16	Manchester Grand Hyatt San Diego - Co-Headquarters Hotel	One Market Place	+	+	+	0.30
17	Marriott Marquis San Diego Marina - Co-Headquarters Hotel	333 West Harbor Drive	+	+	+	0.00
18	Omni San Diego Hotel	675 L Street	+	+	+	0.20
19	Pendry San Diego	550 J Street	+	+	+	0.30
20	Renaissance San Diego Downtown	421 West B Street	+	+	+	0.90
21	Residence Inn San Diego Downtown	1747 Pacific Highway	+	+		1.00
22	Residence Inn San Diego Downtown/Bayfront	900 Bayfront Court	+			2.00
23	Residence Inn San Diego Downtown/Gaslamp Quarter	356 6th Avenue	+			0.20
24	San Diego Marriott Gaslamp Quarter	660 K Street	+		+	0.20
25	Sheraton San Diego Hotel & Marina	1380 Harbor Island Drive	+	+	+	4.00
26	Sofia Hotel, The	150 West Broadway	+	+		0.70
27	SpringHill Suites San Diego Downtown/Bayfront	900 Bayfront Court	+			2.00
28	US GRANT, a Luxury Collection Hotel	326 Broadway	+	+	+	0.70
29	Westgate Hotel San Diego	1055 2nd Avenue	+	+	+	0.70
30	Westin San Diego	400 W Broadway	+	+	+	0.90
31	Westin San Diego Gaslamp Quarter	910 Broadway Circle	+	+	+	0.50
32	Wyndham San Diego Bayside	1355 North Harbor Drive	+	+	+	1.50

All hotels have high-speed internet available, and are non-smoking properties.



ANNUAL MEETING ORGANIZING COMMITTEE



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Medical College of Wisconsin
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To learn more visit booth 1304 at the 69th Annual Scientific Meeting & Clinical Lab Expo, August 1-3, 2017 at the San Diego Convention Center and speak with our product experts.



REGISTER BY JUNE 15 AND SAVE

Visit www.aacc.org/2017am for details.

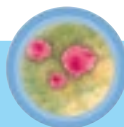
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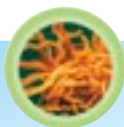
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