2021 AACC Annual Scientific Meeting & Clinical Lab Expo
Session Recordings Listing

Sessions as presented September 26 – 30, 2021 at the Georgia World Congress Center

Below are sessions presented at the 2021 AACC Annual Scientific Meeting & Clinical Lab Expo. When possible, sessions are available as part of the 2021 AACC Session Recordings. Specific listing of the videos included in the full 2021 AACC Session Recordings are below.

To purchase 2021 AACC Session Recordings, visit aacc.org. 2021 AACC Session Recordings will be available starting November 2, 2021 and accessible through September 30, 2022.

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PLENARY AND MEETING-THE-EXPERT SESSIONS

11001 Artificial Intelligence in the Clinic: Strengths, Weaknesses, and Opportunities
  - Regina Barzilay, PhD | Massachusetts Institute of Technology
    (Wallace H. Coulter Lectureship Award Winner)

62001 Artificial Intelligence in the Clinic: Strengths, Weaknesses, and Opportunities
Meet the Expert Session
  - Moderator: Dennis Dietzen, PhD, DABCC, FAACC | Washington University School of Medicine
  - Speaker: Regina Barzilay, PhD | Massachusetts Institute of Technology

12001 COVID-19: Vaccines and the Tango of Viral Evolution and Host Immune Responses
  - Margaret Liu, MD, DSchc, MDhc, FISV | Pax Therapeutics

62002 COVID-19: Vaccines and the Tango of Viral Evolution and Host Immune Responses
Meet the Expert Session
  - Moderator: Patricia Jones, PhD, DABCC, FAACC | University of Texas Southwestern
  - Speaker: Margaret Liu, MD, DSchc, MDhc, FISV | Pax Therapeutics

13001 The Remarkable Journey from Bench to Bedside: Changing Lives of Individuals with Cystic Fibrosis
  - Bonnie Ramsey, MD | Seattle Children’s
  - Caley Mauch | Cystic Fibrosis Foundation Public Speaker

63001 The Remarkable Journey from Bench to Bedside: Changing Lives of Individuals with Cystic Fibrosis
Meet the Expert Session
  - Moderator: Dennis Dietzen, PhD, DABCC, FAACC | Washington University School of Medicine
  - Speakers:
    - Caley Mauch | Cystic Fibrosis Foundation Public Speaker
    - Bonnie Ramsey, MD | Seattle Children’s
14001 Curating and Documenting Research During Chaos: Lessons from COVID-19 and Beyond
• Holden Thorp, PhD | American Association for the Advancement of Science

64001 Curating and Documenting Research During Chaos: Lessons from COVID-19 and Beyond
Meet the Expert Session
• Moderator: Dennis Dietzen, PhD, DABCC, FAACC | Washington University School of Medicine
• Speaker: Holden Thorp, PhD | American Association for the Advancement of Science

15001 Clinical Translation of Engineered Microsystems: From COVID-19 to Hematology and Hemostasis
• Wilbur Lam, MD, PhD | Emory University/Georgia Institute of Technology

65001 Clinical Translation of Engineered Microsystems: From COVID-19 to Hematology and Hemostasis
Meet the Expert Session
Recording not available due to technical difficulties.
• Moderator: Dennis Dietzen, PhD, DABCC, FAACC | Washington University School of Medicine
• Speaker: Wilbur Lam, MD, PhD | Emory University/Georgia Institute of Technology
SPECIAL SESSIONS

11002 The Role of Journalism in the Analysis and Dissemination of Pandemic-Related Data Through the Lens of the COVID Tracking Project  
Sunday Special Session  
Moderator: Dina Greene, PhD, DABCC | Kaiser Washington  
Speaker:  
- Alexis Madrigal | The Atlantic

12002 AACC Disruptive Technology Award Competition  
Moderator: Khushbu Patel, PhD, DABCC, FAACC | Children’s Hospital of Philadelphia

32104 New Technologies and Innovations to Improve the Clinical Laboratory (AMOC Chair Invited Session)  
AMOC Chair Invited Session  
Moderator: Nathalie Lepage, PhD, FCCMG, FCACB | Newborn Screening Ontario/Children’s Hospital of Eastern Ontario/University of Ottawa  
Speaker(s):  
- Innovation from 3D Printing and Its Current and Future Impact in Healthcare and the Clinical Laboratories  
  Danielle L.V. Maracaja, MD | Wake Forest School of Medicine  
- Innovation to Improve Patient Care in Laboratory Medicine with the Use of Drones for Specimen Transportation  
  Timothy Amukele, PhD, MD | ICON Clinical Research

32444 Measurably Better Healthcare: Elite Winners from the UNIVANTS of Healthcare Excellence Awards Share Their Collaborative, Practice-Based Efforts that Transformed Healthcare Delivery  
Immediate Past President Invited Session  
Moderator: David Grenache, PhD, DABCC, MT(ASCP), FAACC | Tricore Reference Laboratories  
Speaker(s):  
- Early Diagnosis and Improved Management of Patients with Diabetes through Strategic and Automated Test Algorithms via Primary Care  
  Maria Salinas, PhD | Hospital Universitario de San Juan  
- Kidney Check: The Next Generation of Surveillance for Hypertension, Diabetes and Chronic Kidney Disease  
  Paul Komenda, MD, MHA | University of Manitoba  
- Reducing Patient Risk and Enhancing Care through the Development and Implementation of a New Chest Pain Pathway, Expedited by and for the COVID-19 Era  
  Martin Than, MD | Christchurch Hospital
35107 Bringing Laboratory Testing Closer to the Patient: The Good, the Bad and the Ugly (CSCC President Invited Session)

CSCC President Invited Session

Moderator: Edward Dunn, PhD, FCACB | Dynacare

Speaker(s):

- From Glucose to COVID-19 Testing: Can We Build Unified POCT Programs for Patients in Alberta?
  Allison Venner, PhD, FCACB | Alberta Precision Laboratories

- Point-of-Care Testing as a Tool for Equitable Access to Quality Healthcare: The Case of Kidney Screening in Remote Communities
  AbdulRazaq Sokoro, PhD, FAACC | Shared Health Inc.
SCIENTIFIC SESSIONS

32101 Activation and Inhibition of the Coagulation Cascade: What’s New in Diagnostics and Therapeutics?
Scientific Session (1.5-hour)
**Moderator:** Rita Selby, MD, MSc, FRCP(c) | University Health Network/Sunnybrook Health Sciences Centre, University of Toronto
**Speaker(s):**
- “TEG Talk”: Expanding Clinical Roles for Viscoelastic Testing (TEG and ROTEM)
  Rita Selby, MD, MSc, FRCP(c) | University Health Network/Sunnybrook Health Sciences Centre, University of Toronto
- The New Era of Direct Oral Anticoagulants: Updates from the Clinic and the Coagulation Lab
  Jameel Abdulrehman, MD, FRCPC | University of Toronto

32103 Biomarkers of Ethanol Consumption: Clinical Utility and Ethical Considerations for Testing
Scientific Session (1.5-hour)
**Moderator:** Melissa Budelier, PhD, DABCC | TriCore Reference Laboratories
**Speaker(s):**
- Ethical Considerations in Clinical Laboratory Testing for Ethanol Consumption
  Melissa Budelier, PhD, DABCC | TriCore Reference Laboratories
- Updates on Biomarkers of Ethanol Consumption
  Stephen Roper, PhD, DABCC | Washington University School of Medicine

32105 Recommendations for Natriuretic Peptides in Heart Failure: Analytics and Clinical Consideration
Scientific Session (1.5-hour)
**Moderator:** Peter Kavsak, PhD | Juravinski Hospital and Cancer Centre
**Speaker(s):**
- Appropriate Use and Analytical Performance of Natriuretic Peptides Assays
  Peter Kavsak, PhD | Juravinski Hospital and Cancer Centre
- Clinical Aspects of Natriuretic Peptides with a Focus on Heart Failure
  Allan Jaffe, MD | Mayo Clinic

32106 Conventional and Modern Approaches To Assessing Pediatric Growth Hormone Deficiency
Scientific Session (1.5-hour)
**Moderator:** Amy Pyle-Eilola, PhD | Nationwide Children's Hospital/The Ohio State University Wexner Medical Center
**Speaker(s):**
- Analytical Considerations in Assessing Growth Hormone
  Amy Pyle-Eilola, PhD | Nationwide Children's Hospital/The Ohio State University Wexner Medical Center
- New Approaches to Measuring Growth Hormone and IGF1
  Dustin Bunch, PhD, DABCC | Nationwide Children's Hospital
- Pediatric Growth Hormone Deficiency: A Clinician’s Perspective
  Rohan Henry, MS, MD | Nationwide Children’s Hospital
32107 Guidelines for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus: 2021 Revision
Scientific Session (1.5-hour)
**Moderator:** David Sacks, MB ChB, FACP, FRCPath | National Institutes of Health

**Speaker(s):**
- Autoimmune Markers
  Ake Lernmark, MD | University of Washington
- Continuous Glucose Monitoring: State of the Art in 2021
  M. Sue Kirkman, MD | University of North Carolina
- Highlights of Updated Laboratory Medicine Guidelines for Diabetes
  David Sacks, MB ChB, FACP, FRCPath | National Institutes of Health

32109 The Promises and Challenges of Cannabinoids and the Impact on Laboratory Medicine
Scientific Session (1.5-hour)
**Moderator:** Paul Jannetto, PhD, DABCC, MT (ASCP), FAACC | Mayo Clinic

**Speaker(s):**
- The Promises and Challenges of Cannabinoids and the Impact on Laboratory Medicine
  Marilyn Huestis, AB, MS, PhD, Honoris causa | Institute of Emerging Health Professions

32221 Case Studies in the Use of Emerging Technologies in Pediatric Laboratory Medicine
Scientific Session (1.5-hour)
**Moderator:** Joely Straseski, PhD, MT(ASCP), DABCC, FAACC | University of Utah/ARUP Laboratories

**Speaker(s):**
- Identification of Congenital or Acquired Pseudohypoaldosteronism Using Mass Spectrometry
  Daniel Holmes, MD | University of British Columbia
- Optimizing Workflows for Low-Volume, Clinically Urgent Testing: Automated Reports for Serum HVA/VMA Orders
  Jane Dickerson, PhD, DABCC | Seattle Children's Hospital
- The Use of Untargeted Metabolomics for the Investigation of Inborn Errors of Metabolism
  Roy Peake, PhD, DABCC | Boston Children's Hospital

32222 Current Use of Thyroid Function Tests and Work to Improve Their Comparability and Reliability
Scientific Session (1.5-hour)
**Moderator:** Uliana Danilenko, PhD | Centers for Disease Control and Prevention

**Speaker(s):**
- Clinical Practice Guidelines for Treating Patients with Thyroid Diseases: A Lab Perspective
  Gregory Brent, MD | University of California-David Geffen School of Medicine at UCLA
- Implementation of National and International Standardization of Thyroid Function Test
  Hubert Vesper, PhD | Centers for Disease Control and Prevention
- Preanalytical and Analytical Challenges of Thyroid Function Biomarkers Testing
  Alicia Algeciras-Schimnich, PhD, DABCC | Mayo Clinic
32223 Drug Checking: Using Mass Spectrometry and Novel Rapid Mobile Devices to Reduce Opioid Overdoses
Scientific Session (1.5-hour)
**Moderator:** Daniel Beriault, PhD, FCACB | St Michael's Hospital
**Speaker(s):**
- Drug Checking: Novel Portable Device to Help Reduce Opioid Overdoses
  Daniel Beriault, PhD, FCACB | St Michael's Hospital
- Drug Checking: Using Mass Spectrometry to Reduce Opioid Overdoses
  Cristiana Stefan Bodea, PhD, DABCC, FAACC | Centre for Addiction and Mental Health, Clinical Laboratory
- The Overdose Crisis and Harm Reduction Strategies
  Karen McDonald, MPPAL | St. Michael’s Hospital

32224 Strategies for Enhancement of Laboratory Medicine in Africa
Scientific Session (1.5-hour)
**Moderator:** Anthony Okorodudu, PhD, MBA, SC(ASCP), DABCC, NRCC, FAACC | The University of Texas Medical Branch
**Speaker(s):**
- Designing Training Methods for Laboratory Medicine in Developing Countries
  Jeannette Guerner, MD | Emory University
- Laboratory Medicine in Cameroon: A Proposal to Improve Training and Competency Assessments *(Permission withheld by speaker)*
  Anne Tebo, PhD, ABMLI | Mayo Clinic
- Nigerian Proficiency Training Initiative: A Preliminary Report
  Anthony Okorodudu, PhD, MBA, SC(ASCP), DABCC, NRCC, FAACC | The University of Texas Medical Branch

32225 What’s New in Acute Kidney Injury? Biomarker, Artificial Intelligence, Onco-Nephrology and Cases
Scientific Session (1.5-hour)
**Moderator:** KT Jerry Yeo, PhD, DABCC, FAACC | The University of Chicago
**Speaker(s):**
- Emerging Sources of Hospitalized Acute Kidney Injury
  Anitha Vijayan, MD | Washington University School of Medicine
- Identifying Acute Kidney Injury Risk through Biomarkers and Artificial Intelligence
  Jay Koyner, MD | University of Chicago Medicine
- Laboratory Perspective of Acute Kidney Injury Biomarkers
  KT Jerry Yeo, PhD, DABCC, FAACC | The University of Chicago
32227 Understanding Adaptive Immune Response to SARS-CoV-2: Applications in Clinical Practice, Public Health, and Vaccine Studies
Scientific Session (1.5-hour)
**Moderator:** Danijela Konforte, PhD, FCACB | Lifelabs
**Speaker(s):**
- “Stop the Spread Ottawa”: A 10-month Longitudinal Analysis of Antibody Neutralization Efficiency and Cellular Immunity in SARS-CoV-2 Individuals
  Ronald Booth, PhD, FCACB, FAACC | The Ottawa Hospital
- Overview of Adaptive Immune Response to SARS-CoV-2: Kinetics, Associations with Disease Severity, Roles in Protective Immunity
  Danijela Konforte, PhD, FCACB | Lifelabs
  Dana Bailey, PhD | Dynacare

32228 Women in Laboratory Medicine: A Panel Discussion on Diversity and Inclusion
Scientific Session (1.5-hour)
**Moderators:**
- Zahra Shajani-Yi, PhD, DABCC, FAACC, NRCC-CC | LabCorp San Diego
- Nadia Ayala-Lopez, PhD, MLS(ASCP), DABCC, NRCC | LabCorp Drug Development
**Panelists:**
- M. Laura Parnas, PhD, DABCC | Roche Diagnostics Corporation
- Octavia Peck Palmer, PhD, FAACC | University of Pittsburgh Medical Center
- Lakshmi Ramanathan, PhD | Memorial Sloan-Kettering Cancer Center

32230 Advances in Tuberculosis Screening and Testing
Scientific Session (1.5-hour)
**Moderator:** L.V. Rao, PhD, FAACC | Quest Diagnostics, North Region/University of Massachusetts Medical School
**Speaker(s):**
- Challenges in Clinical Diagnosis and Treatment of Active and Latent Tuberculosis
  Charles Horsburgh, MD | Boston University School of Public Health
- Laboratory Diagnosis of Latent Tuberculosis Infection and Its Clinical Utility
  L.V. Rao, PhD, FAACC | Quest Diagnostics, North Region/University of Massachusetts Medical School

32441 Clinical Problems in Oxygenation, Hemoglobin, and Dyshemoglobinemias
Scientific Session (1.5-hour)
**Moderator:** William Winter, MD, DABCC, FAACC | University of Florida
**Speaker(s):**
- Causes and Pathophysiology of Hypoxemia including SARS-CoV-2 Pneumonia, Carboxyhemoglobinemia, and Methemoglobinemia
  William Winter, MD, DABCC, FAACC | University of Florida
- Dyshemoglobinemias and Polycythemias
  Neil Harris, MBCh, MD, FAACC | University of Florida
32442 Connective Tissue Diseases, Lupus, and dsDNA Testing: Updates in Diagnosis and Testing
Scientific Session (1.5-hour)
Moderator: Sarah Wheeler, PhD | University of Pittsburgh Medical Center
Speaker(s):
- Case Studies in Connective Tissue Diseases
  Danyel Tacker, PhD, DABCC, FAACC | West Virginia University
- Making the Case for Standardization of ANA Sub-Serology Testing – Multicenter dsDNA Correlation Study of Five Methods
  Sarah Wheeler, PhD | University of Pittsburgh Medical Center
- The Pivotal Role of Laboratory Testing in Diagnosing Systemic Lupus Erythematosus
  Rajeevan Selvaratnam, PhD, DABCC, NRCC, FAACC | University Health Network/Toronto General Hospital

32443 Innovative Approaches to the Design, Building, and Renovating of a Clinical Laboratory
Scientific Session (1.5-hour)
Moderator: Jennifer Baccon, PhD, MD, MHCM | Akron Children's Hospital
Speaker(s):
- Eliminating Wastes in Lab Design and Encouraging Divergent Thinking Through Lean Principles
  Andrew Rearick, MLS, ASCP | Akron Children's Hospital
- Optimizing Design and Construction in Complex Laboratory Settings
  Jonathan Genzen, MD, PhD | University of Utah/ARUP Laboratories

32445 Rapid HIV Testing for High-Risk Groups Across a Health System’s Emergency Departments
Scientific Session (1.5-hour)
Moderator: Adam McShane, PhD, DABCC (CC, TC), FAACC | Cleveland Clinic
Speaker(s):
- Early Results and Opportunities from Rapid HIV Screening of High-Risk Patients in the Emergency Department
  Michael Phelan, MD | Cleveland Clinic
- Implementing Rapid HIV Testing for the Emergency Department: Challenges and Perspective from the Lab
  Adam McShane, PhD, DABCC (CC, TC), FAACC | Cleveland Clinic

32446 Acute and Chronic Cardiovascular Disease Complications in Patients With Viral Infections
Scientific Session (1.5-hour)
Moderator: Alan Wu, PhD | University of California, San Francisco
Speaker(s):
- Clinical and Radiographic Aspects of Chronic Cardiovascular Complications from Viral Infections Such as HIV and COVID-19
  Priscilla Hsue, MD | University of California, San Francisco
- High-Sensitivity Troponin, the Natriuretic Peptides, and Other Existing and Novel Biomarkers of Viral Myocarditis
  Jieli Shirley Li, MD, PhD, DABCC, NRCC, FAACC | Ohio State University Wexner Medical Center
- Pathophysiologic Mechanisms of Inflammatory Cardiomyopathy Induced by Viral Infections
  Alan Wu, PhD | University of California, San Francisco
32447 Advancing Effective Test Utilization in North America
Scientific Session (1.5-hour)
**Moderator:** Lee Hilborne, MD, MPH, DLM(ASCP)CM | University of California, Los Angeles Healthcare

**Speaker(s):**
- The Canadian Experience: Challenges and Opportunities  
  Daniel Beriault, PhD, FCACB | St Michael's Hospital
- The U.S. Experience: Challenges and Opportunities  
  Lee Hilborne, MD, MPH, DLM(ASCP)CM | University of California, Los Angeles Healthcare

32448 Laboratory Consultations in Genomic Medicine: Case-Based Learning
Scientific Session (1.5-hour)
**Moderator:** Jason Park, MD, PhD, DABCC | UT Southwestern

**Speaker(s):**
- Answers to Common Genomic Testing Questions  
  Jason Park, MD, PhD, DABCC | UT Southwestern
- Emerging Clinical Genomic Testing Issues  
  Garrett Gotway, MD, PhD | University of Texas Southwestern Medical Center

32449 The State of Interoperability and External Laboratory Results
Scientific Session (1.5-hour)
**Moderator:** Thomas Durant, MD | Yale School of Medicine

**Speaker(s):**
- The State of Interoperability and External Laboratory Results  
  Thomas Durant, MD | Yale School of Medicine
- The State of Interoperability and External Laboratory Results  
  David McClintock, MD | Michigan Medicine

33101 Cervical Cancer Screening: What Is New?
Scientific Session (1.5-hour)
**Moderator:** Yusheng Zhu, PhD, DABCC | Pennsylvania State University Hershey Medical Center

**Speaker(s):**
- Advances in Molecular Biology, Pathogenesis, and Epidemiology of Human Papillomavirus Research  
  Yusheng Zhu, PhD, DABCC | Pennsylvania State University Hershey Medical Center
- Applying Risk-Based Guidelines: Screening, Surveillance, and Diagnosis  
  Sarah Feldman, MD, MPH | Harvard Medical School
- Implementing risk-based cervical cancer screening guidelines in practice  
  Annie Leung, MD | McGill University Health Centre

33102 Data Aggregation and Integration in Laboratory Medicine: How to Build Prediction Models and Learn from Multi-Institutional Data
Scientific Session (1.5-hour)
**Moderator:** Daniel Herman, MD, PhD | University of Pennsylvania

**Speaker(s):**
- A Path to Sharing and Integrating Traceable, Clinical Laboratory Data  
  Thomas Durant, MD | Yale School of Medicine
• Building Prediction Models That Can Be Transferred Across Clinical Practices  
  Daniel Herman, MD, PhD | University of Pennsylvania

• How to Harmonize Multi-Site Clinical Laboratory Data: Lessons From the National COVID Cohort Collaborative (N3C)  
  Patrick Mathias, MD, PhD | University of Washington

33104 The Right Tools for the Job: The Diagnosis, Treatment, and Complications of Hemoglobinopathies  
Scientific Session (1.5-hour)  
**Moderator:** Sean Campbell, PhD, DABCC, FAACC | Montefiore Medical Center  
**Speaker(s):**  
• Clinical and Hematological Effects of Sickle Cell Disease  
  Susanna Curtis, MD, PhD | Montefiore Medical Center  
• Laboratory Methods for Diagnosing Hemoglobinopathies and the Discovery and Characterization of Voxelor Interference  
  Zahra Shajani-Yi, PhD, DABCC, FAACC, NRCC-CC | LabCorp San Diego

33105 Unique Matrices That Integrated Themselves Into the Clinical Laboratory During the COVID-19 Pandemic  
Scientific Session (1.5-hour)  
**Moderator:** Hedyeh Shafi, MD | Kaiser Permanente  
**Speaker(s):**  
• COVID-19 Convalescent Plasma From Donor To Recipient  
  Hedyeh Shafi, MD | Kaiser Permanente  
• High-Throughput Saliva Testing for SARS-CoV-2  
  Jonathan Gullett, MD, MT (ASCP) | Kaiser Permanente

33106 Clinical Biochemistry Hot Topics  
Scientific Session (1.5-hour)  
**Moderator:** Khushbu Patel, PhD, DABCC, FAACC | Children’s Hospital of Philadelphia  
**Speaker(s):**  
• Paper Spray Mass Spectrometry for the Direct, Semi-quantitative Measurement of Fentanyl and Norfentanyl in Complex Matrices  
  Chris Gill, PhD | Vancouver Island University  
• Pre-operative and Post-operative Changes in CRP and Other Biomarkers Sensitive to Inflammatory Status in Patients with Severe Obesity Undergoing Laparoscopic Sleeve Gastrectomy  
  Edward Randell, PhD | Eastern Health

33107 Exploring Racial and Ethnic Health Disparities through a Laboratory Medicine Lens  
Scientific Session (1.5-hour)  
**Moderator:** Christina Pierre, PhD | Lancaster General Hospital  
**Speaker(s):**  
• Reconsidering Race-Based Adjustments in Estimating GFR  
  Melanie Hoenig, MD | BIDMC
• Testing Access and the Impact on COVID-19 Outcomes in Minority Populations: How Laboratory Data can be Harnessed to Mitigate Healthcare Disparities
Henrietta Fasanya, PhD | University of Florida

33108 Implementation of Serological and Molecular Tools for COVID-19 Patient Management
Scientific Session (1.5-hour)
Moderator: Jennifer Taher, PhD, FCACB | Mount Sinai Hospital
Speaker(s):
• Implementation of Molecular Tools for COVID-19 Patient Management: A GENCOV Study
  Jordan Lerner-Ellis, PhD, FACMG | Mount Sinai Hospital
• Implementation of Serological Tools for COVID-19 Patient Management: A GENCOV Study
  Jennifer Taher, PhD, FCACB | Mount Sinai Hospital
• Understanding Immune Repertoire Diversity Through T/B Cell Receptor Signaling
  Trevor Pugh, PhD, FACMG | University of Toronto

33109 Validación de Métodos 101: De Aspectos Regulatorios a Mejoras de Calidad (presentado en Español)
Scientific Session (1.5-hour)
Moderator: Alejandro Molinelli, PhD, NRCC | St. Jude Children's Research Hospital
Speaker(s):
• Análisis Estadístico y Mejoras de Calidad
  Steven Conklin, PhD | Tufts Medical Center
• Diseño de Experimentos de Validación de Métodos
  Nadia Ayala-Lopez, PhD, MLS(ASCP), DABCC, NRCC | Labcorp Drug Development
• Requisitos Regulatorios y Establecimiento de Especificaciones de Desempeño
  Alejandro Molinelli, PhD, NRCC | St. Jude Children's Research Hospital

33110 The Benefits of a Laboratory Formulary Committee From Patient Care To Training Programs and a Hospital's Bottom Line
Scientific Session (1.5-hour)
Moderator: Alison Woodworth, PhD, DABCC, FAACC | University of Kentucky
Speaker(s):
• Harnessing Laboratory Formulary Data Tools to Improve Patient Care and the Hospital’s Bottom Line
  Thai Osborne, MHA | University of Kentucky
• Standardizing Laboratory Stewardship Efforts through Development of a Multidisciplinary Laboratory Formulary Committee
  Alison Woodworth, PhD, DABCC, FAACC | University of Kentucky
• The Benefits of a Developing a Laboratory Formulary for Training Purposes
  Erin Schuler, PhD | University of Kentucky

33221 Manejo de Riesgos en el Laboratorio Clínico: Herramientas para Asegurar Resultados de Alta Calidad (presentado en Español)
Scientific Session (2.5-hour)
Moderator: Veronica Luzzi, PhD, DABCC | Tricore Research Institute
Speaker(s):
• AnÁlisis de Riesgo: EstimaciÓn y EvaluaciÓn
   Jose Jara-Aguirre, MD | Children's National Hospital
• Como se Define el Riesgo y el Manejo del Riesgo en un Laboratorio ClÍnico?
   Jessica Colon-Franco, PhD, DABCC | Cleveland Clinic
• Seguridad del Paciente y Errores en el Laboratorio ClÍnico
   Eugenio Zabaleta, PhD | OhioHealth Mansfield Hospital

33222 Updates on Diagnostics and Therapeutics for Lipid Management of Cardiovascular Disease
Scientific Session (2.5-hour)
**Moderator:** Alan Remaley, PhD | NIH
**Speaker(s):**
- Advanced Cardiovascular Disease Risk Detection Using Your Automated Chemistry Analyzer
  Leslie Donato, PhD, DABCC | Mayo Clinic
- Measurement and Use of Lp(a) as a Cardiovascular Biomarker
  Alicia Lyle, PhD | Centers for Disease Control and Prevention
- Overview of 2018 Mutisociety Guidelines on Lipid Management and Comparison to Other Cardiovascular Guidelines
  Jeff Meeusen, PhD, DABCC | Mayo Clinic
- Review of Current and New Lipid-Lowering Therapies for Cardiovascular Disease Reduction
  Alan Remaley, PhD | NIH

33223 Clinical and Laboratory Implications of Monoclonal Antibody Therapeutics
Scientific Session (2.5-hour)
**Moderator:** Julio Delgado, MS, MD | University of Utah/ARUP Laboratories
**Speaker(s):**
- Cancer Immunotherapies for Multiple Myeloma: Successes, Pitfalls and Challenges for the Laboratory
  Angela Dispenzieri, MD | Mayo Clinic College of Medicine
- Introduction of Monoclonal Antibodies as Therapeutic Agents
  Julio Delgado, MS, MD | University of Utah/ARUP Laboratories
- Methods for Drug Monitoring, Immunogenicity Testing and Identification of Therapeutic Monoclonal Antibodies
  Maria Alice Willrich, PhD, DABCC, FAACC | Mayo Clinic
- Using Routine and Ancillary Laboratory Testing for Monitoring Immunotherapy
  Qing Meng, MD, PhD, DABCC, FAACC | University of Texas/MD Anderson Cancer Center

33225 Novel Multiplex Proteomics Technologies for Biofluid Analysis: Looking Beyond Mass Spectrometry
Scientific Session (2.5-hour)
**Moderator:** Annie Ren, MSc, PhD | Mount Sinai Hospital
**Speaker(s):**
- Digging Deep for Translational Gold: Integrated Proteomics and Genomics Approaches to Biobank Data
  Guillaume Paré, MD, MSc, FRCPC | McMaster University
- Multiplex Proteomic Technologies for Clinical Investigation of Cytokine Profiles
  Lusia Sepiashvili, PhD, DABCC, FCACB, FAACC | Hospital for Sick Children; University of Toronto
• Multiplex Proteomics Technologies and Their Promise for a New Era of Personalized Medicine
  Annie Ren, MSc, PhD | Mount Sinai Hospital

33226 The Little Known Formula That will Change the Way You Teach Clinical Chemistry
Scientific Session (2.5-hour)
Moderator: Joe Wiencek, PhD, DABCC, FAACC | Vanderbilt University School of Medicine
Speaker(s):
• Engaging the Un-Engageable on the Clinical Chemistry Rotation: A Work in Process
  David Alter, MD, MPH, DABCC | Emory University School of Medicine
• Four-Year Clinical Chemistry Rotation for Pathology Residents
  Gurmukh Singh, MD, PhD, MBA | Augusta University Medical Center Inc.
• So, You Think You can Teach Clinical Chemistry?
  Joe Wiencek, PhD, DABCC, FAACC | Vanderbilt University School of Medicine

33227 Serologic Testing for SARS-CoV-2: We Implemented the Assay(s), Now What?
Scientific Session (1.5-hour)
Moderator: Elitza Theel, PhD, D(ABMM) | Mayo Clinic
Speaker(s):
• Serologic Testing for SARS-CoV-2
  Elitza Theel, PhD, D(ABMM) | Mayo Clinic
• Serologic Testing for SARS-CoV-2
  Christopher Farnsworth, PhD, DABCC | Washington University, St. Louis

33228 Guiding and Expediting Clinical Decisions with Direct Mass Spectrometry Technologies
Scientific Session (2.5-hour)
Moderator: Livia Schiavinato Eberlin, PhD | The University of Texas at Austin
Speaker(s):
• Clinical Translation of the MasSpec Pen to Guide Cancer Diagnosis and Surgical Margin Evaluation
  Livia Schiavinato Eberlin, PhD | The University of Texas at Austin
• Current Challenges in Drug Quantitation from a Clinician’s View: Can Direct Mass Spectrometry Techniques Fill the Gap?
  Lindsey Kirkpatrick, DO, PhD | Indiana University School of Medicine/Riley Hospital for Children
• Use of Lipidomics and Metabolomics in Clinical Pathology in the Diagnosis of Fabry Disease and Meningioma
  Timothy Garrett, PhD | University of Florida

33229 Paraneoplastic Neurological Syndromes: New Diagnostic Criteria with the Specialist Laboratory in the Center
Scientific Session (1.5-hour)
Moderator: Hans Frykman, MD, PhD, FRCPC | University of British Columbia
Speaker(s):
• Paraneoplastic Neurological Syndromes: New Diagnostic Criteria and the Laboratory - An Overview
  Hans Frykman, MD, PhD, FRCPC | University of British Columbia
• Paraneoplastic Neurological Syndromes: Practical Cases
  Neil Harris, MBCh, MD, FAACC | University of Florida
33231 Food Allergy Testing: Navigating the Clinical Allergy and IgE Antibody Connection
Scientific Session (1.5-hour)
Moderator: Alicia Algeciras-Schimnich, PhD, DABCC | Mayo Clinic
Speaker(s):
- Food Allergy: To Test or Not To Test, That is the Question
  Miguel Park, MD | Mayo Clinic
- The Relationship Between IgE Antibody Testing and Evaluation of Clinical Food Allergy: It’s Complicated
  Joshua Bornhorst, PhD, DABCC | Mayo Clinic

34101 Advances in Proteomics-Based Diagnostics for Plasma Cell Disorders
Scientific Session (1.5-hour)
Moderator: Surendra Dasari, PhD | Mayo Clinic
Speaker(s):
- Going Off the Gold Standard: Replacing Gel Electrophoresis with MALDI-TOF MS
  David Murray, MD, PhD | Mayo Clinic
- The Role of Mass Spectrometry in Detection of Minimal Residual Disease in the Blood of Myeloma Patients
  Joannes Jacobs, MD, PhD | Radboud University Medical Center

34102 Approaches for the Detection and Mitigation of Pre-analytic Errors
Scientific Session (1.5-hour)
Moderator: Christopher Farnsworth, PhD, DABCC | Washington University, St. Louis
Speaker(s):
- Effect of Seasonal Temperatures on Analyte Stability in Lockboxes
  Joe Wiencek, PhD, DABCC, FAACC | Vanderbilt University School of Medicine
- Evaluation of Pneumatic Tube System Performance
  Christopher Farnsworth, PhD, DABCC | Washington University, St. Louis
- Pediatric Considerations for Preanalytical Variation
  Brenda Suh-Lailam, PhD, DABCC, FAACC | Ann & Robert H. Lurie Children's Hospital of Chicago

34103 At-Home Self-Collection: Opportunities, Advantages, and Limitations for Laboratory Medicine
Scientific Session (1.5-hour)
Moderator: Paul Jannetto, PhD, DABCC, MT (ASCP), FAACC | Mayo Clinic
Speaker(s):
- Blood, Spit, and Tears: Will These Alternative Matrices for Therapeutic Drug Monitoring and Toxicology Make You Cry? (Permission withheld by speaker)
  Paul Jannetto, PhD, DABCC, MT (ASCP), FAACC | Mayo Clinic
- Mid-Turbinate/Nasal Swabs and Genitourinary Sampling for Microbiology: Applications and Challenges
  Bobbi Pritt, MD | Mayo Clinic

34104 Little Molecules that Pack a Big Punch: The Promise of Cell-Free DNA
Scientific Session (1.5-hour)
Moderator: Christina Lockwood, PhD, ABMG, DABCC | University of Washington
Speaker(s):
• A Paradigm Shift: Considerations in Prenatal Cell-Free DNA Screening
  Edith Cheng, MD, MS | University of Washington
• The Promise and Pitfalls of Cell-Free DNA for Personalized Medicine
  Christina Lockwood, PhD, ABMG, DABCC | University of Washington
• Transitioning Cell-Free Tumor DNA Testing from the Bench to the Clinic
  Kalyan Banda, MD | University of Washington

34105 The Persistent Opioid Epidemic during the COVID-19 Pandemic
Scientific Session (1.5-hour)
Moderator: Kamisha Johnson-Davis, PhD, DABCC, FAACC | University of Utah/ARUP Laboratories
Speaker(s):
• Clinical Perspectives on Trends in Drug Screening Results Before and During COVID-19
  Nathaniel West, MD, ABEM | University of California, San Francisco
• Trends in Urine Drug Testing Results During the COVID-19 Pandemic: How Did Drug Use Change
  Versus Pre-Pandemic?
  Sarah Shugarts, PhD, DABCC | Kaiser Permanente

34106 Healthcare Forum: The Changing Regulatory Environment
Scientific Session (1.5-hour)
Moderator: Vince Stine, PhD | AACC
Speaker(s):
• The FDA Response to COVID-19 and its Path Moving Forward
  Timothy Stenzel, MD, PhD | U.S. Food & Drug Administration
• Updating CLIA: What the Future Holds
  Reynolds Salerno, PhD | Centers for Disease Control and Prevention

34107 Providing Value Beyond Values: Leaving the Laboratory to Increase Laboratory Visibility and
Enhance Patient Care
Scientific Session (1.5-hour)
Moderator: Zahra Shajani-Yi, PhD, DABCC, FAACC, NRCC-CC | LabCorp San Diego
Speaker(s):
• Small Actions: Big Impact, Low Stress Options that Enhance Patient Care
  Mark Cervinski, PhD, DABCC, FAACC | Dartmouth-Hitchcock Medical Center
• Supporting a Pharmacist-Managed Clinical Pharmacokinetics Service
  Alejandro Molinelli, PhD, NRCC | St. Jude Children's Research Hospital

34108 Sepsis: Laboratory Medicine’s Collaborative Role in Risk Stratification, Early Detection, and
Positive Patient Outcomes
Scientific Session (1.5-hour)
Moderator: Sarah Wheeler, PhD | University of Pittsburgh Medical Center
Speaker(s):
• Laboratory Medicine’s Fight Against Sepsis: Current and New Sepsis Biomarkers and Algorithms
  in Adults
  Octavia Peck Palmer, PhD, FAACC | University of Pittsburgh Medical Center
• Where Are We? Organism and Antimicrobial Resistance Marker Identification and the Impact on
  Antimicrobial Therapy and Patient Outcomes
  Stephanie Mitchell, PhD, D(ABMM) | Cepheid
34109 The Existence of Health Disparities from the Bench to the Bedside: Journal of Applied Laboratory Medicine Special Session
Scientific Session (1.5-hour)
Moderator: Robert Christenson, PhD, DABCC, FAACC, FACC | University of Maryland School of Medicine
Speaker(s):
- An Overview of Disparities in Healthcare: A Provider Perspective
  Zil Goldstein, FNP-BC | Callen-Lorde
- Considerations in the Identification of Drug Use Prevalence in Marginalized Populations
  Mark Marzinke, PhD, DABCC, FAACC | Johns Hopkins University
- There Is No Right Box to Check: Reference Intervals in Transgender Individuals on Gender Affirming Hormonal Therapies
  Gabrielle Winston-McPherson, PhD, DABCC | Henry Ford Hospital

34110 What’s New in Newborn Screening?
Scientific Session (1.5-hour)
Moderator: Van Leung-Pineda, PhD, DABCC | Children’s Healthcare of Atlanta
Speaker(s):
- GAMT Deficiency: Creatine ≠ More than a Source of Creatinine
  Marzia Pasquali, PhD | University of Utah
- X-linked Adrenoleukodystrophy: From Lorenzo’s Oil to the Recommended Uniform Screening Panel
  Debra Freedenberg, MD, PhD | Department of State Health Services

34222 Free Light Chains: Past, Present, and Future
Scientific Session (2.5-hour)
Moderator: Maria Alice Willrich, PhD, DABCC, FAACC | Mayo Clinic
Speaker(s):
- A Slow Fade with Clinical Impact: The Need for Standardization
  David Murray, MD, PhD | Mayo Clinic
- The Many Different Flavors of Current FLC Assays
  Joannes Jacobs, MD, PhD | Radboud University Medical Center
- The Past of Free Light Chains: Assay Development and Critical Studies
  Maria Alice Willrich, PhD, DABCC, FAACC | Mayo Clinic

34223 Machine Learning Analysis of Laboratory Test Results Supports Clinical Decision-Making and Patient Care
Scientific Session (2.5-hour)
Moderator: He Yang, PhD, DABCC, FAACC | Weill Cornell Medicine
Speaker(s):
- How is Machine Learning Using Laboratory Test Results Helping to Fight Against COVID-19?
  He Yang, PhD, DABCC, FAACC | Weill Cornell Medicine
- Recent Advances of Machine Learning in Clinical Medicine
  Fei Wang, PhD | Weill Cornell Medicine
- Using Machine Learning to Personalize Laboratory Medicine: Opportunities and Challenges
  Jason Baron, MD | Massachusetts General Hospital
34224 Tackling Infectious Disease Testing and Interpretation from the Perspectives of the Core Clinical Laboratory and the Point-of-Care
Scientific Session (2.5-hour)
Moderator: Nicole Tolan, PhD, DABCC | Brigham and Women's Hospital
Speaker(s):
- Tackling Infectious Disease Testing and Interpretation
  Gary Horowitz, MD | Tufts Medical Center
- Tackling Infectious Disease Testing and Interpretation
  Nicole Tolan, PhD, DABCC | Brigham and Women's Hospital

34225 Best Practices for Improving Quality Control and Quality Assurance
Scientific Session (2.5-hour)
Moderator: Kornelia Galior, PhD, DABCC | University of Wisconsin, Madison
Speaker(s):
- Defining Total Allowable Error for Individualized QC strategy
  Kornelia Galior, PhD, DABCC | University of Wisconsin, Madison
- Development, Implementation and Validation of Moving Averages in a Hospital Based Laboratory
  Mark Cervinski, PhD, DABCC, FAACC | Dartmouth-Hitchcock Medical Center
- Evaluation of Proficiency Testing/External Quality Assessment Results and Developing Preventive and Corrective Actions (Permission withheld by speaker)
  Berna Aslan, MD, MSc, DABCC, FCACB, FAACC | Health Sciences Center, Eastern Health Authority

34226 Congenital and Acquired Bleeding Disorders: Properly Interpreting Coagulation Assays for Accurate Coagulopathy Diagnosis
Scientific Session (2.5-hour)
Moderator: Morayma Reyes-Gil, MD, PhD | Montefiore
Speaker(s):
- Abnormal Coagulation Tests: Artifacts, Interferences or True Coagulopathies
  Morayma Reyes-Gil, MD, PhD | Montefiore
- COVID-19 Coagulopathy
  Geoffrey Wool, MD, PhD | University of Chicago
- Hereditary versus Acquired Coagulopathies
  Catherine Hayward, MD, PhD, FRCP | McMaster University

34227 Metal Goes Alternative: Charting Progression in Heavy Metal Analysis
Scientific Session (2.5-hour)
Moderator: Jessica Colon-Franco, PhD, DABCC | Cleveland Clinic
Speaker(s):
- Easy Listening: An Alternative Approach to Detecting Adverse Reactions to Metal Debris in Metal-on-Metal Implants
  Paul Jannetto, PhD, DABCC, MT (ASCP), FAACC | Mayo Clinic
- Alternative Matrices and Remastering Metal Analysis with ICP-QQQ-MS
  Jessica Colon-Franco, PhD, DABCC | Cleveland Clinic
• Progressing Beyond Lead: Elemental Toxicity of the “Alternative” Heavy Metals – Cadmium, Mercury, and Arsenic
  Joshua Bornhorst, PhD, DABCC | Mayo Clinic

34228 What We Have Learned Post Implementation of High Sensitivity Cardiac Troponin Into Clinical Practice: Experience of Three Different Medical Centers Using Three Different Assays
Scientific Session (2.5-hour)
Moderator: Fred Apple, PhD, DABCC | Hennepin Healthcare/Hennepin County Medical Center
Speaker(s):
• Abbott High Sensitivity Cardiac Troponin I: Laboratory and Clinical Experience
  Fred Apple, PhD, DABCC | Hennepin Healthcare/Hennepin County Medical Center
• Beckman Coulter High Sensitivity Cardiac Troponin I: Emergency Medicine Experience
  Brandon Allen, MD | University of Florida
• Beckman Coulter High Sensitivity Cardiac Troponin I: Laboratory Medicine Experience
  Stacy Beal, MD | University of Florida Health
• Roche High Sensitivity Cardiac Troponin T: Laboratory and Clinical Experience
  Allan Jaffe, MD | Mayo Clinic

34230 The Role of the Clinical Laboratory in the Diagnosis, Management, and Understanding of MIS-C: An Update
Scientific Session (1.5-hour)
Moderator: Sridevi Devaraj, PhD, DABCC, FAACC, FRSC | Texas Childrens Hospital and Baylor College of Medicine
Speaker(s):
• Clinical Presentation of MIS-C: An Update
  Tiphanie Vogel, MD, PhD | Texas Children's Hospital/Baylor College of Medicine
• Role of the Clinical Laboratory in the Diagnosis and Management of MIS-C
  Sridevi Devaraj, PhD, DABCC, FAACC, FRSC | Texas Childrens Hospital and Baylor College of Medicine

34231 Updates in SARS-CoV-2 Sequence Surveillance
Scientific Session (1.5-hour)
Moderator: Alex Greninger, MD, PhD, MS, MPhil | University of Washington
Speaker(s):
• Genomic Surveillance for SARS-CoV-2 in the United States
  Duncan MacCannell, PhD | Centers for Disease Control and Prevention
• SARS-CoV-2 Sequencing in the Clinical Lab
  Alex Greninger, MD, PhD, MS, MPhil | University of Washington

35101 Emerging Areas in Therapeutic Drug Monitoring: Antifungals, Direct Oral Anticoagulants, and Psychoactive Drugs
Scientific Session (1.5-hour)
Moderator: William Clarke, MBA, PhD, DABCC, FAACC | Johns Hopkins University School of Medicine
Speaker(s):
• Special Issues of TDM of Antifungals and Direct Oral Anticoagulants in Critically Ill Patients and Special Populations
  Amitava Dasgupta, PhD, DABCC | University of Texas-Houston Medical School
• TDM for Psychoactive Drugs: Guidelines for Optimal Utilization  
William Clarke, MBA, PhD, DABCC, FAACC | Johns Hopkins University School of Medicine

35102 Essential Diagnostics for Universal Health Coverage  
Recording not available due to technical difficulties.
Scientific Session (1.5-hour)  
Moderator: Sue Horton, PhD | University of Waterloo  
Speaker(s):  
• Diagnostics: The Greatest Gap in the Cascade of Care (unavailable)  
  Mike Wilson, MD | Denver Health  
• The World Health Organization’s Essential Diagnostics List and Policies Needed to Strengthen Diagnostic Capacity Globally (unavailable)  
  Lee Schroeder, MD, PhD | University of Michigan

35103 Laboratories Ally with Clinicians in Mitigating the Burden of Heart Disease from Childhood  
Scientific Session (1.5-hour)  
Moderator: Jing Cao, PhD, DABCC, FAACC | University of Texas Southwestern Medical Center  
Speaker(s):  
• Salient Features of AHA Statement on CVD Risk Reduction in High Risk Children and Strategies of Laboratory Testing for Risk Management  
  Sridevi Devaraj, PhD, DABCC, FAACC, FRSC | Texas Childrens Hospital and Baylor College of Medicine  
• Utility of Newer Generation Cardiac Marker Assays on the Management of Children with Vulnerable Heart Conditions  
  Stephen Roper, PhD, DABCC | Washington University School of Medicine

35104 Mind the App: Application Development as a Solution to Unmet Needs in Laboratory Workflows  
Scientific Session (1.5-hour)  
Moderator: Amrom Obstfeld, MD, PhD | Children's Hospital of Philadelphia  
Speaker(s):  
• Making Reliable Lab Apps: Demystifying Good Software Engineering Practices  
  Stephan Kadauke, MD, PhD | Children's Hospital of Philadelphia  
• Why Use R and What Kinds of Apps Can I Make?  
  Daniel Holmes, MD | University of British Columbia

35105 Novel Applications of High Sensitivity Cardiac Troponin Assays: Risk Stratification in Patients with Atherosclerotic Cardiovascular Disease and Monitoring of Cardiac Health  
Scientific Session (1.5-hour)  
Moderator: Petr Jarolim, MD, PhD | Brigham and Women's Hospital  
Speaker(s):  
• High Sensitivity Cardiac Troponin Assays  
  Petr Jarolim, MD, PhD | Brigham and Women's Hospital  
• High Sensitivity Cardiac Troponin Assays for Monitoring and Diagnosing Myocardial Injury During Cardiotoxic Chemotherapy, Cancer Immunotherapy and Non-Cardiac Surgery  
  Petr Jarolim, MD, PhD | Brigham and Women's Hospital
• High-Sensitivity Cardiac Troponin Testing in Stable Atherosclerotic Cardiovascular Disease and Its Use for Identification of Patients Who May Benefit from More Intense Therapy
  David Morrow, MD, MPH | Brigham and Women's Hospital

35106 Albumin Measurement: Harmonization and Body Fluid Testing
Scientific Session (1.5-hour)
Moderator: Darci Block, PhD, DABCC | Mayo Clinic
Speaker(s):
  • Albumin Measurement in Body Fluids: Analytical and Clinical Considerations
    Darci Block, PhD, DABCC | Mayo Clinic

Scientific Session (1.5-hour)
Moderator: Alex Greninger, MD, PhD, MS, MPhil | University of Washington
Speaker(s):
  • SARS-CoV-2 Testing and the Future: The Stanford University Medical Center Experience
    Benjamin Pinsky, MD, PhD | Stanford University
  • SARS-CoV-2 Testing and the Future: The University of Washington Medical Center Experience
    Alex Greninger, MD, PhD, MS, MPhil | University of Washington
AACC UNIVERSITY COURSES

191003 Next Generation Sequencing for Laboratorians: Understanding the Essentials
AACC University Half Day Session
Moderator: Christina Lockwood, PhD, ABMGG, DABCC | University of Washington
Speaker(s):
- NGS Applications for Inherited Testing: Casting an Ever-Widening Net
  Linnea Baudhuin, PhD, DABMGG, FACMG | Mayo Clinic
- NGS as a Tool for Precision Medicine: How to Choose the Best Test for Your Patient
  Christina Lockwood, PhD, ABMGG, DABCC | University of Washington
- Practical Applications for NGS in Oncology
  Vera Paulson, MD, PhD | University of Washington

191004 Analytical Interferences in the Clinical Laboratory: Basics and Beyond
AACC University Half Day Session
Moderator: Nikola Baumann, PhD, DABCC | Mayo Clinic
Speaker(s):
- Challenges for the Clinical Laboratory: Dealing with the Interferences That We Can See
  Nikola Baumann, PhD, DABCC | Mayo Clinic
- Challenges for the Clinical Laboratory: Technology-, Test- and Patient-Specific Interferences
  Kamisha Johnson-Davis, PhD, DABCC, FAACC | University of Utah/ARUP Laboratories
- Challenges for the Clinical Laboratory: The Interferences That Are Not Visible
  Brooke Katzman, PhD | Mayo Clinic

192007 Navigating Your Lab Through Change: Leadership, Innovation, and Crisis Management (SYCL Workshop)
SYCL Workshop
Moderator: Janetta Bryksin
Speaker(s):
- Lab of the Future
  Khosrow Adeli, PhD, FCACB, NACB, DABCC | Hospital for Sick Children
- Leadership Change... Keep Calm and Lead On
  Julie Shaw, PhD, FCACB | The Ottawa Hospital University of Ottawa/Eastern Ontario Regional Laboratories Association
- The One about Crisis Management and the Pandemic
  Chad Neilsen, BS, MPH, CIC, FAPIC | University of Florida Health Jacksonville

192008 LC-MS/MS Operations and Quality Assurance: A Primer
AACC University Half Day Session
Moderator and Speaker: Brian Rappold | LabCorp
Speaker(s):
- LC-MS/MS Operations: Tips/Tricks and Best Practice
  Quality Assurance in the Mass Spec Lab

193009 Doing More with R: Create Your Own Automated Reports and Dashboards
AACC University Full Day Session
Moderator: Shannon Haymond, PhD, DABCC, FAACC | Lurie Children's
Speaker(s):
• Doing More with R: Create Your Own Automated Reports and Dashboards
  Shannon Haymond, PhD, DABCC, FAACC | Lurie Children’s
• Doing More with R: Create Your Own Automated Reports and Dashboards
  Dustin Bunch, PhD, DABCC | Nationwide Children’s Hospital
• Doing More with R: Create Your Own Automated Reports and Dashboards
  Daniel Holmes, MD | University of British Columbia

193010 Ten Hut! Fall in for the Essential Elements of a Point-of-Care Testing Boot Camp
AACC University Full Day Session
Moderator: Jeanne Mumford, BS, MLS, MT (ASCP) | Johns Hopkins Hospital
Speaker(s):
  • Are You Competent to Evaluate Operator Competency?
    Peggy Mann, MS, MT(ASCP), CPP | University of Texas Medical Branch
  • Are You Connected? Saving Your Sanity Using Connectivity for Point-of-Care Testing!
    Kerstin Halverson, MS | Werfen North America
  • Integrating Quality and Compliance into Point-of-Care Testing
    Kimberly Skala, BA, MT(ASCP) | Instrumentation Laboratory
  • Working in Multidisciplinary Teams and Strengthening Your Communication Skills
    Jeanne Mumford, BS, MLS, MT (ASCP) | Johns Hopkins Hospital

193011 Trust, But Verify: Getting the Most Out of Method Evaluation Experiments, Including Establishing QC After Accepting the New Method
AACC University Full Day Session
Moderator: David Koch, PhD, DABCC, FAACC | Emory University/Grady Memorial Hospital
Speaker(s):
  • Establishing QC Parameters for Ongoing Monitoring of Test Performance
    Anthony Killeen, MB, BCh, PhD, DABCC, FAACC | University of Minnesota
  • Introduction and Setting Performance Goals
    David Koch, PhD, DABCC, FAACC | Emory University/Grady Memorial Hospital
  • Laboratory Challenges in Method Evaluation
    James Nichols, PhD, DABCC, FAACC | Vanderbilt University Medical Center
  • Performance Verification
    Janetta Bryksin, PhD, DABCC | Emory University

193012 How To Truly Excel at Data Analysis and Visualization: An Introduction To the R Programming Language
AACC University Full Day Session
Moderator: Joseph Rudolf, MD | University of Utah/ARUP Laboratories
Speaker(s):
  • Basics of R and RStudio and Visualizing Data
    Joseph Rudolf, MD | University of Utah/ARUP Laboratories
  • Reporting, Importing, and Transforming Data
    Patrick Mathias, MD, PhD | University of Washington
  • Summarizing Data and Statistics
    Patrick Mathias, MD, PhD | University of Washington
193013 Integrating Chemistry and Hematology in Clinical Practice
AACC University Full Day Session
Moderator: Sean Campbell, PhD, DABCC, FAACC | Montefiore Medical Center
Speaker(s):
• RBC Disorders
  Nadia Ayala-Lopez, PhD, MLS(ASCP), DABCC, NRCC | Labcorp Drug Development
• WBC and Platelet Disorders
  Sean Campbell, PhD, DABCC, FAACC | Montefiore Medical Center

193014 Interpretation of Endocrinology Assays: A Guide for the Clinical Laboratorian to Communicate
Method Variation, Reference Intervals, and Dynamic Testing Cut-offs to Endocrinologists and other Clinicians
AACC University Full Day Session
Moderator: Andrew Don-Wauchope, MBCh, MD, FRCP | LifeLabs
Speaker(s):
• Interpretation of Endocrinology Assays: Clinical Practice Guideline Update on Aldosterone
  Andrew Don-Wauchope, MBCh, MD, FRCP | LifeLabs
• Interpretation of Endocrinology Assays: Cortisol, Thyroid, and Growth Hormone
  Julie Shaw, PhD, FCACB | The Ottawa Hospital University of Ottawa/Eastern Ontario Regional Laboratories Association
• Interpretation of Endocrinology Assays: Metanephrines, Thyroid, and IGF-1
  Grace Kroner, PhD, DABCC | Cleveland Clinic
• Interpretation of Endocrinology Assays: The Clinician’s Viewpoint
  Matthew Gilbert, DO, MPH | Larner College of Medicine at The University of Vermont