



Better health through  
laboratory medicine.

## 2021 AACC Middle East

A partnership of AACC and Al Borg Medical Laboratories.

To be held in Dubai, UAE, November 3-4, 2021.

### Planning Committee

#### AACC Representing Faculty

- **Co-Chair:** Mark A. Cervinski, PhD, DABCC | Dartmouth-Hitchcock Geisel School of Medicine
- Patricia (Patti) M. Jones, PhD, DABCC, FACB | Children's Medical Center/UT Southwestern Medical Center
- Joe El-Khoury, PhD, DABCC, FACB | Yale School of Medicine

#### Middle East Representing Faculty

- **Co-Chair:** Ola Elgaddar, MD, PhD, MBA, Associate Professor of Clinical Chemistry, Alexandria University/Group CMO, Al Borg Medical Laboratories GCC
- Zuhier Awan, MBA, MSc, PhD, FACB, FNLA, FRCPC, FAHA, FACE, MedEdu, King Abdulaziz University / Research Institute of the McGill University Health Centre
- Laila Abdel Wareth, MBBCh, FCAP, FRCPC, EMHCA, Cleveland Clinic Abu Dhabi

### Program at a Glance

AACC Middle East is a two-day conference held in partnership with Al Borg Medical Laboratories to bring the latest in laboratory medicine to the Middle East region. The conference covers a range of timely topics from infectious disease to big data to prenatal emerging technology as well as core laboratory areas in sample transport, lab management, and quality assurance. Each session is presented by experts in AACC's scientific leadership to bring the latest in laboratory medicine and build new networks among attendees. Hear from experts, visit the expo, and grow your network.

- **PLENARY DAY 1:** Overcoming the Challenges of Emerging Infectious Diseases: Lessons Learned from the COVID-19 Experience
- **SESSION 1:** Everyday Testing Challenges in Laboratory Medicine
- **SESSION 2:** Laboratory Management and Quality Assurance
- **SESSION 3:** Advances and Biomarkers in Neurological Disease
- **PLENARY DAY 2:** Value of Laboratory Medicine: Fostering Mentorship and Demonstrating Value in Healthcare Delivery
- **SESSION 4:** Big Data and Machine Learning in Clinical Laboratories
- **SESSION 5:** Emerging Biomarkers and Technologies: The Future of Lab Medicine
- **SESSION 6:** Women and Children's Health

### Who Should Attend?

Physicians  
Laboratory directors  
Laboratory supervisors/managers  
Laboratory administration  
Medical technologists

Quality managers  
Pathologists  
Clinical chemists  
Immunologists  
Molecular biologists  
IVD industry scientists  
Research scientists  
Laboratory medicine students  
Other healthcare professionals interested in laboratory medicine.

## **Learning Objectives**

At the end of this conference, participants will be able to:

- Discuss state-of-art research and technologies in laboratory medicine.
- Incorporate laboratory management strategies that enhance workflows and support accurate and effective testing to improve treatment decisions and patient outcomes.
- Implement up-to-date laboratory testing methods, technologies, and data-driven approaches in preanalytical, analytical, and postanalytical phases of sample handling.
- Describe applications and considerations of data analytics and machine learning in clinical laboratories.
- Summarize advances in biomarkers and screening for neurological disease, assessment of kidney function, preeclampsia, and newborn screening.
- Review lessons
- Demonstrate the value and role of laboratory medicine in treatment decisions and patient outcomes.

## **Meeting Highlights**

- Overcoming infectious disease obstacles.
- Laboratory management essentials.
- Proficiency testing and quality assessment.
- Optimizing lab design.
- Updates on biomarkers of neurological disease.
- Demonstrating the value of laboratory medicine.
- Impact of digitalizing healthcare on medical laboratories.
- Application of big data in clinical chemistry.
- Emerging technologies in personalized medicine.
- Advances in assessing kidney function.
- New insights on pediatric reference intervals.
- Newborn screening programs