

Mass Spectrometry in the Clinical Laboratory

Forefront Conference Center 404 Wyman St, Waltham, MA 02451
6 CE CREDITS

TOPICS COVERED

- **Applications of Mass Spectrometry in a Clinical Setting:** Toxicology, Inborn Errors of Metabolism, Drug Development, Microbial Identification, and Surgical Imaging.
- **Implementing a Mass Spectrometer in Your Lab:** Validation, Troubleshooting, and Lessons Learned.

FEATURED SPEAKERS

Alan H.B. Wu, PhD
University of California, San Francisco

Roy W.A. Peake, PhD
Boston Children's Hospital, Harvard Medical School

Allena J. Ji, PhD
Biomarkers and Clinical Bioanalysis, Sanofi

Alexander J. McAdam, MD, PhD
Boston Children's Hospital, Harvard Medical School

Jane Hill, PhD
Thayer School of Engineering at Dartmouth

Frederick G. Strathmann, PhD
NMS Labs

Nathalie Agar, PhD
Brigham and Women's Hospital, Harvard Medical School

Nicole V. Tolan, PhD
Brigham and Women's Hospital, Harvard Medical School



Agilent Technologies



REGISTRATION

Register at neaacc.eventbrite.com
Continental Breakfast & Lunch Provided

Students/Residents/Fellows

\$30 on or before 4/1/2019

\$40 after 4/1/2019

Non-students

\$75 on or before 4/1/2019

\$100 after 4/1/2019

ORGANIZING COMMITTEE

David J. Kemble, PhD: Conference Chair

Allena J. Ji, PhD

Nicholas Heger, PhD

Robert D. Nerenz, PhD

M. Rabie Al-Turkmani, PhD

Kerri Weinert, MS, MBA

Joel Lefferts, PhD

Halleh Mahini, PhD

Thomas Kampfrath, PhD



HOTEL RESERVATIONS

Hyatt House 781 - 290 - 0026

Reserve by April 7 to guarantee a room

Conference Agenda

Moderators: AM session: Robert D .Nerenz, PHD, DABCC

PM Session: David J. Kemble, PhD

7:30 AM – 8:20 AM	Registration & Breakfast
8:20 AM – 8:30 AM	Welcome & Announcements David J. Kemble, PhD , Chair, Conference Organizing Committee
8:30 AM – 9:30 AM	Keynote Speaker How Medical Cases Unraveled By Mass Spectrometry Has Changed the View of Our Profession to the World Alan H.B. Wu, PhD, DABCC, FACB , Chief of Clinical Chemistry and Toxicology, Professor of Laboratory Medicine, University of California, San Francisco
9:30 AM – 10:10AM	The Evolution of Chromatography-Mass Spectrometry in the Diagnosis of Inborn Errors of Metabolism. Roy W.A. Peake, PhD, DABCC , Associate Director of Clinical Chemistry, Boston Children’s Hospital, Instructor in Pathology at Harvard Medical School
10:10 AM – 10:50 AM	Refreshment Break, Vendors Visit, and Raffle
10:50AM – 11:30 AM	Quantitation of Sphingolipid Biomarkers in Lysosomal Rare Diseases for Drug Development Allena J. Ji, PhD, NRCC, DABCC , Director, Operational Lab Clinical Mass Spectrometry BCB-Boston Sanofi US, MA
11:30 AM – 12:10 PM	Method Validation: You are the Manufacturer of Your Laboratory Developed Test. Nicole V. Tolan, PhD, DABCC , Associate Medical Director of Clinical Chemistry and Medical Director of POCT, Pathology, Brigham and Women’s Hospital, Harvard Medical School
12:10 PM - 1:30 PM	Lunch, Vendors Visit, and Raffle
1:30 PM – 2:10 PM	“Mass Spectrometry for Dummies”: Is That Really What We Want? Frederick G. Strathmann, PhD, DABCC-TC , Vice President of Quality Assurance, Director of New Technology and Innovation, and Assistant Director at NMS Labs
2:10 PM – 2:50 PM	Advantages and Challenges to Implementation of MALDI-TOF Mass Spectrometry in the Clinical Microbiology Laboratory Alexander J. McAdam, MD, PhD Director of Infectious Disease Laboratory, Vice-Chair of Laboratory Medicine, Boston Children’s Hospital, Associate Professor of Pathology at Harvard Medical School
2:50 PM – 3:20PM	Refreshment Break, Vendors Visit, and Raffle
3:20 PM – 4:00PM	Mass Spectrometry Imaging Applications to Support Clinical Decision Making Nathalie Agar, PhD , Director, Surgical Molecular Imaging Laboratory, Brigham and Women’s Hospital, Assistant Professor, Harvard Medical School.
4:00 PM – 4:40 PM	TB or not TB. That is the Question ... Jane Hill, PhD , Associate Professor of Engineering, Thayer School of Engineering at Dartmouth
4:40 PM – 5:00 PM	Closing Remarks