Registration and Breakfast:
8:00-9:00 AM
800 West Campus Drive, West Haven, CT

Technical Talks:
9:00-12:00 noon; (800 West Campus Drive, Room varies by section)

Session 1: Material Characterization
Auditorium, 800 West Campus Drive
Coordinators: Min Li and Lei Wang

On the Cutting Edge: The Thermo Fisher Scientific Helios G4 UX DualBeam
Rick Passey, *SEM/DualBeam Product and Application Specialist*
Thermo Fisher Scientific

High Performance S/TEM in a Modern Research Laboratory, Recent Advances and Capabilities
Jan Ringnalda, *Thermo Fisher Scientific S/TEM Product and Application Specialist*
Thermo Fisher Scientific

White Light Interferometry at Yale West Campus
Nate Gilfoy, PhD, *Senior Application Engineer*
Zygo-Ametek Corporation

Session 2: Imaging Workshop
Room 220, 800 West Campus Drive
Coordinator: Joerg Nikolaus

SP8 Super-Resolution Bootcamp: No Organelle Left Behind!
Albert Ayoub, PhD, *Confocal Specialist - Life Science Division*
Leica Microsystems

Session 3: Metabolomics Workshop
Room 208, 800 West Campus Drive
Coordinator: Terence Wu

Agilent hardware and software tools for metabolomics
Dr. Charmion Cruikshank-Quinn, PhD, *Application Scientist*
Agilent Technologies, Inc.

Putting metabolism in context: combining direct measurement of biochemical state with genetic and nutritional manipulation to uncover new biology
Adam Rosebrock, PhD, *Assistant Professor, Department of Pathology*
Stony Brook University
Session 4: Bioanalytical Techniques
Room 218, 800 West Campus Drive
Coordinator: Ken Nelson

Imaging Mass Spectrometry for Spatially Resolved Direct Molecular Analysis including Metabolomics and Tissue Differentiation.
Roy Martin, PhD, Senior Field Marketing Manager, Biological Mass Spectrometry Waters

Precision Mass Spectrometry Technology Drives Precision Medicine
Emily Chen, PhD, Senior Director of Thermo Fisher Precision Medicine Center
Thermo Fisher Scientific

New Insights for Multicolor Panel Design
Ana Teixeira, Research Applications Scientist
BD Biosciences

Session 5: Genomic Analysis
Event Room A, 800 West Campus Drive
Coordinator: Amy Blanchard

Harnessing Multiomic Data in Single Cells for Discovery
Margaret Nakamoto, PhD, Senior Scientist, Single Cell Multiomics
BD Biosciences

Introduction to Agilent CRISPR-Cas9 and NGS Targeted RNA-seq Capture Technology for Discovery
Raymond DiDonato, PhD, Product Specialist
Agilent Technologies, Inc.

Next Generation Sequencing Current and Upcoming Trends
Kimberly Troutman, Sr. Field Applications Scientist
GE Healthcare Genomics & Diagnostics Solutions

Lunch:
12:00 noon -12:55 PM Event Rooms A and B, 800 West Campus Drive

Keynote Lecture:
Core Facilities and Yale’s Science Priorities
1:00-1:45 PM Event Rooms A and B, 800 West Campus Drive
Lisa D’ Angelo, PhD Assistant Provost for Research, Yale University

Panel on Funding Core Instrumentation with Grants: Successes and Lessons Learned
Moderator: Janie Merkel, PhD, Director, Yale Center for Molecular Discovery, Yale University
1:50-2:40 PM Event Rooms A and B, 800 West Campus Drive

Panelists:
- TuKiet Lam, PhD, Yale University, Director of Yale/Keck Mass Spectrometry & Proteomics Resource; Director of Proteomics Core of Yale/NIDA Neuroproteomics Center
- Sibel Ebru Yalcin, PhD, Yale University, Associate Research Scientist, Molecular Biophysics and Biochemistry and Facility Director of NSF-MIP Program
- Chris O’Connell, PhD, University of Connecticut (Storrs), Director of Advanced Light Microscopy Facility
- Corey O’Hern, PhD, Yale University, Professor of Mechanical Engineering & Materials Science, Physics, Applied Physics & Graduate Program in Computational Biology & Bioinformatics
- Michelle Personick, PhD, Wesleyan University, Assistant Professor of Chemistry and Integrative Sciences
- Jillian Smith-Carpenter, PhD, Fairfield University, Assistant Professor of Chemistry and Biochemistry
- Michael Nathanson, MD, PhD, Yale University, Gladys Phillips Crofoot Professor of Medicine (Digestive Diseases) and Professor of Cell Biology; Director, Yale Liver Center; Director, Center for Cell and Molecular Imaging

Panel Discussion: Academia-Industry Collaboration in Cores
Moderator: Lisa D’Angelo, PhD, Assistant Provost for Research, Yale University
2:45-3:30 PM Event Rooms A and B, 800 West Campus Drive

Panelists:
- Andrew Vinard; UMass Amherst, Director, IALS Core Facilities
- Chris Incarvito, PhD, Yale University, Director of Research Operations & Technology
- Jen Waters, PhD; Harvard Medical School, Director, Nikon Imaging Center
- Brandon Mercado, PhD, Yale University, X-Ray Crystallography CBIC

Note of Thanks
Mousumi Ghosh, PhD, Director, West Campus Analytical Core, Yale University

Poster Session and Networking:
3:30-5:30 PM EVENT Rooms A and B, 800 West Campus Drive