



PROGRAM AT A GLANCE

SATURDAY, MARCH 25, 2017

8:00am-12:00pm [\(SW1\) The Galaxy Platform for Metaproteomic Characterization of Microbiomes](#)

Organizers: Pratik Jagtap, *University of Minnesota*
 Tim Griffin, *University of Minnesota*

Instructors: Pratik Jagtap, *University of Minnesota*
 Tim Griffin, *University of Minnesota*
 James Johnson, *University of Minnesota*

Note: This workshop is scheduled as a morning session from 8:00 am to 12:00 pm. Lunch is included from 12 noon to 1:00 pm.

1:00pm-5:00pm [\(SW2\) Current Status and Challenges in Lipidomics Based Biomarker Development](#)

Organizers: Amrita Cheema, Ph.D., *Georgetown University*
 Maryam Goudarzi, Ph.D., *Georgetown University*

Instructors: Gary Suizdak, *Scripps Center for Metabolomics and Mass Spectrometry*
 Amrita Cheema, Ph.D., *Georgetown University*
 Baljit Ubhi, *SCIEX*
 Roy Martin, *Waters Corporation*
 John Asara, *Beth Israel Deaconess Medical Center*

Sponsor: Waters Corporation

Note: This workshop is scheduled as an afternoon session from 1:00 pm to 5:00 pm. Lunch is included from 12 noon to 1:00 pm.

8:00am-4:00pm

(SW3) Lean Tools for Effective Core Management

Organizers: Jay W. Fox, Ph.D., *University of Virginia School of Medicine*
Sean Jackson, *University of Virginia School of Medicine*
Robert Carnahan, *Vanderbilt School of Medicine*

Instructors: Jay W. Fox, Ph.D., *University of Virginia School of Medicine*
Sean Jackson, *University of Virginia School of Medicine*
Robert Carnahan, *Vanderbilt School of Medicine*
Agnes Viale, *Memorial Sloan Kettering Cancer Center*

8:00am-4:00pm

(SW4) Introduction to Statistical Methods for Life Scientists

Organizer: Olga Vitek, *Northeastern University*

Instructors: Olga Vitek, *Northeastern University*
Meena Choi, *Northeastern University*
Ting Huang, *Northeastern University*

8:00am-4:00pm

(SW5) Genome Engineering Using CRISPR/Cas9

Organizers and Instructors: CB Gurumurthy, *University of Nebraska Medical Center*
Eric Kmiec, *Helen F. Graham Cancer Center and Research Institute, Christiana Care Health System, University of Delaware*

4:00pm-5:00pm

New Member/First Time Attendee Welcome & Orientation Meeting

4:00pm-5:00pm

Research Group/Committee Chair Orientation

5:00pm-6:00 pm

Keynote Lecture

Hudson Freeze, PhD
Director and Professor
Human Genetics Program Center
Sanford Children's Health Center

6:30pm-8:00pm

Opening Reception (Exhibit Hall)

SUNDAY, MARCH 26, 2017

7:00am-8:00am **Breakfast**

8:00am-9:00am **Plenary Session I: [NIBIB's Section on High Resolution Optical Imaging](#)**

Hari Shroff, PhD
Investigator (Tenure-Track)
NIH
National Institute of Biomedical Imaging and Bioengineering

9:00am-10:00am **Bridging Topic I: [Integrated Core Model](#)**

Professor Claudia Neuhauser, PhD
Director of Research Computing in the Office of the Vice President for Research,
overseeing the University of Minnesota Informatics Institute (UMII) and the Minnesota Supercomputing Institute (MSI)

10:00am-5:00pm **Exhibit Hall Open**

10:00-5:00pm **New! “Admin is In” Booth (Exhibit Hall)**
New! ABRF Mentoring Booth (Exhibit Hall)

10:00am-10:30am **AM Break (Exhibit Hall)**

10:30am-12:00pm **Concurrent Scientific Sessions**

Genomics	Genomics Standards
Imaging	Imaging Live Processes
Proteomics	Proteomics Data Analysis & Handling
Core Administration	Research Development & Core Facilities Infrastructure
Trending Topics	3D Printing

12:00pm-1:00pm **Lunch and Student Mentoring (Exhibit Hall)**

1:00pm-2:00pm **Plenary Session II: [Chemical Proteomics reveals the Target Space of Hundreds of Clinical Kinase Inhibitors](#)**

Professor Bernhard Küster, PhD
Chair, Proteomics and Bioanalytics
Technische Universität München School of Life Sciences

2:00pm-2:30pm	Afternoon Break (Exhibit Hall)
2:30am-3:45pm	Concurrent Workshops
Genomics	ABRF DNA Sequencing Research Group (DSRG)
Imaging	Live Cell Super Resolution
Proteomics	Workflow Reproducibility in Proteomics
Core Administration	ROI for Cores
Trending Topics	Antibody Research Group (ARG)
3:45pm-5:00pm	Concurrent Workshops
Genomics	ABRF Genome Editing Research Group (GERG)
Imaging	New Probes and Innovation for Live Cell Imaging
Proteomics	Antibody Reproducibility
Core Administration	Core Commercial Partnerships
Trending Topics	iABRF Panel Discussion
5:30pm-7:30pm	Poster Sessions and Wine & Cheese Reception (Exhibit Hall)

MONDAY, MARCH 27, 2017

7:00am-8:00am	Breakfast
8:00am-9:00am	<u>Plenary Session III:</u> Barbara Wold, PhD <i>Bren Professor of Molecular Biology and Director of the Beckman Institute at the California Institute of Technology</i>
9:00am - 10:00 am	The ABRF Annual Award for Outstanding Contributions to Biomolecular Technologies Presentation Professor Sir Shankar Balasubramanian, FMedSci FRS, <i>University of Cambridge</i> Professor David Klenerman, FMedSci FRS, <i>University of Cambridge</i>
10:00am-5:00pm	Exhibit Hall Open
10:00-5:00pm	New! “Admin is In” Booth (Exhibit Hall) New! ABRF Mentoring Booth (Exhibit Hall)
10:00am-10:30am	AM Break (Exhibit Hall)

10:30am-12:00pm	Concurrent Scientific Sessions
Genomics	Clinical Sequencing
Imaging	Admin Issues Facing Light Microscopy Cores
Proteomics	Metabolomics
Core Administration	Rigor & Reproducibility
Trending Topics	Flow Cytometry
12:00pm-1:00pm	Lunch
1:00pm-2:00pm	Bridging Topic II: Imaging Mass Spectrometry
	Professor Gary Nolan, PhD
	<i>Rachford and Carlota A. Harris Professor</i>
	<i>Department of Microbiology and Immunology</i>
	<i>Stanford University School of Medicine</i>
2:30pm-3:45pm	Concurrent Workshops
Genomics	ABRF Metagenomics Research Group(MGRG)
Imaging	Funding Imaging Instruments S10
Proteomics	RG studies: sPRG phosphopeptide standard, iPRG bioinformatics study & automated RG study results submission system
Core Administration	NIH/Federal Policy Updates
Trending Topics	ABRF Flow Research Group (FCRG) Study
3:45pm-5:00pm	Concurrent Workshops
Genomics	ABRF NGS Study: Genomic Bioinformatics Research Group/Next Generation Sequencing Study (GBIRG/NGS Study)
	5:00pm - 5:30pm - ABRF Genomics Research Group (GRG)
Imaging	ABRF Light Microscopy Research Group (LMRG)
Proteomics	ABRF Research Group Studies: PRG quality control, PSRG sequencing of unknown proteins
Core Administration	Cross Core Collaborations
Trending Topics	BioIT
5:30pm	Resen a ion on he ABRF R en orin ar nership

TUESDAY, MARCH 28, 2017

7:00am-8:00am Breakfast

8:00am-9:00am Bridging Topic II: International Genomics Forum

9:00am-10:00am Bridging Topic III: [Management for Scientists, Part 1: Core Business & Graduate Education Partnership](#)

Sarah H. Baum, PhD
Postdoctoral Research Fellow
University of Washington

Kevin P. Weller
Flow Cytometry Shared Resource Director
Vanderbilt University Medical Center

10:00am-10:30am Morning Break

10:30am-12:00pm Concurrent Scientific Sessions

Genomics

Imaging

Proteomics

Core Administration

Trending Topics

Single Cell Genomics

Deep Imaging / Adaptive Optics

Practical Quantitative Proteomics

Management for Scientists, Part 2: Core Business Problem Solving

Bioinformatics

12:00pm-1:00pm Lunch

1:00pm-2:00pm [Bridging Topic IV: Electron cryo-microscopy \(cryo-EM\)](#)

Professor Dorit Hanein, PhD
Bioinformatics and Structural Biology Program
Sanford Burnham Prebys Medical Discover Institute

2:00pm-2:30pm Break

2:30pm-3:45pm ABRF Awards

4:00pm-6:00pm ABRF Members Meeting

7:30pm-11:00pm

Closing Social at Sea World

