



PROGRAM SCHEDULE

As of 1.9.2019

All events will be held at Henry B. González Convention Center unless noted otherwise
(Please note that this schedule is subject to change)

FRIDAY, MARCH 22, 2019

8:00 pm – 6:00 pm **Exhibitor Registration Open**
Hall 4A

2:00 pm – 6:00 pm **Attendee Registration Open**
Hall 4A

SATURDAY, MARCH 23, 2019

7:00 am – 7:00 pm **Registration Open**
Hall 4A

Please note that the following five Satellite Workshops require their own registration and fee (they are not included as part of the ABRF Annual Meeting). If you would like to attend a Satellite Workshop only, you may register for a Satellite Workshop without having to register for the ABRF Annual Meeting. [Click here](#) for registration information.

Breakfast will be served from 7:30 am – 8:30 am, and lunch will be served from 12:00 pm – 1:00 pm for Satellite Workshops.

8:00 am – 4:00 pm **(SW1) Data Independent Acquisition in Practice: Foundations and Resources for Implementing DIA**
Room 212A

Organizer:

Pratik Jagtap, University of Minnesota

Yan Wang, University of Maryland

Benjamin Neely, NIST

Joanna Kirkpatrick, Leibniz Institute on Aging – Fritz Lipmann Institute (FLI)

Speakers:

Benjamin Neely, National Institute of Standards and Technology

Mukul Midha, Institute of Systems Biology

Pratik Jagtap, University of Minnesota

8:00 am – 4:00 pm **(SW2) Mentoring and Leadership for ABRF Membership and Corporate Sponsors**
Room 212B

Organizers:
Luellen Fletcher, University of Pennsylvania
Laura Lewis-Tuffin, Mayo Clinic, Jacksonville, Florida
Anitha Chennat, University of Michigan, Ann Arbor

Speakers:
To be announced

8:00 am – 4:00 pm **[\(SW3\) Lean Tools for Enhanced Core Management](#)**
Room 213A

Organizer:
Jay W. Fox, University of Virginia School of Medicine

Speakers:
Jay W. Fox, University of Virginia School of Medicine
Robert Carnahan, Vanderbilt University School of Medicine
Elizabeth Sinclair, University of California, San Francisco
Thomas McHugh, University of Maryland School of Medicine

8:00 am – 4:00 pm **[\(SW4\) Use of FFPE in Next-Generation Sequencing: Considerations from Bedside to Bench](#)**
Room 213B

Organizer:
Marie Adams, Van Andel Institute
Zach Herbert, Dana Farber Cancer Institute

Speakers:
Prashant Singh, Roswell Park Comprehensive Cancer Center
Hamid Khoja, Covaris
Katie Hoadley, University of North Carolina

8:00 am – 4:00 pm **[\(SW5\) Image Processing and Analysis for Microscopy](#)**
Room 216

Organizer:
Mark Sanders, University of Minnesota

Speakers:
To be announced

4:00 pm – 5:00 pm **New Member/First Time Attendee Welcome & Orientation Meeting**
Room 209

4:00 pm – 5:00 pm **Research Group/Committee Chairs Orientation Meeting**
Room 208

5:00 pm – 6:00 pm **Keynote Address – Perspectives of ABRE, A Bridge from the Past to the Future**
Room 214ABC

Keynote Speakers:
Ron Niece, Research Resources & Technologies, and Christopher E. Mason, Weill Cornell Medicine

6:30 pm – 8:00 pm **Opening Reception**
Hall 4A

SUNDAY, MARCH 24, 2019

7:30 am – 6:30 pm **Registration Open**
Hall 4A

- 8:00 am – 9:00 am** **Plenary Session I (Genomics): Big Data and Health**
Room 214ABC
- Organizer:*
Sridar Chittur, The State University of New York at Albany
- Speaker:*
Michael Snyder, Stanford Center for Genomics and Personalized Medicine
- 9:00 am – 10:00 am** **Concurrent Scientific Session (Genomics): Open Mic**
Room 214ABC
- Organizer:*
Sridar Chittur, The State University of New York at Albany
- Speakers:*
To be announced
- 9:00 am – 10:00 am** **Concurrent Scientific Session (Imaging): Open Mic**
Room 213AB
- Organizer:*
Richard Cole, Wadsworth Center
- Speakers:*
To be announced
- 9:00 am – 10:00 am** **Concurrent Scientific Session (Mass Spectrometry): Open Mic**
Room 214D
- Organizer:*
Roy Martin, Waters Corporation
- Speakers:*
To be announced
- 9:00 am – 10:00 am** **Concurrent Scientific Session (Core Administration): Open Mic**
Room 212AB
- Organizer:*
Justine Karungi, University of Kansas Medical Center
- Speakers:*
To be announced
- 10:00 am – 10:30 am** **Coffee Break**
Hall 4A
- 10:00 am – 6:30 pm** **Exhibit Hall Open**
Hall 4A
- 10:30 am – 12:00 pm** **Concurrent Scientific Session (Genomics): Epitranscriptomics**
- Organizer:*
Christopher Mason, Weill Cornell Medicine
- Speakers:*
To be announced
- 10:30 am – 12:00 pm** **Concurrent Scientific Session (Imaging): Imaging Flow**
Room 213AB

Organizer:
Meredith Calvert, Gladstone Institutes

Speakers:
To be announced

10:30 am – 12:00 pm **Concurrent Scientific Session (Mass Spectrometry): Making a Proteomics Core Nimble and Efficient**
Room 214D

Organizer:
Ben Neely, NIST

Speakers:
Benjamin C. Orsburn, NCI at Frederick
Brett S. Phinney, UC Davis Genome Center
Birgit Schilling, Buck Institute for Research on Aging and University of Southern California (USC)

10:30 am – 12:00 pm **Concurrent Scientific Session (Core Administration): Multi-Institutional Core Collaborations**
Room 212AB

Organizer:
Tom Colella, Arizona State University

Speakers:
Tom Colella, Arizona State University
Nicholas P. Ambulos, University of Maryland School of Medicine
Eric Chow, University of California, San Francisco
William Russell, The University of Texas Medical Branch at Galveston
Michael E Zwick, Emory University School of Medicine

12:00 pm – 1:00 pm **Lunch**
Hall 4A

1:00 pm – 2:00 pm **Plenary Session II (Core Administration) – Understanding the Science of Branding when Branding for Science**
Room 214ABC

Organizer:
Luellen Fletcher, University of Pennsylvania

Speaker:
Chris Dillon, University of Florida, Gainesville

2:00 pm – 2:30 pm **Coffee Break**
Hall 4A

2:30 pm – 3:45 pm **Concurrent Workshop (Genomics) – GRG (Genomics Research Group) / DSRG (DNA Sequencing Research Group)**
Room 214ABC

GRG Organizer:
John Aston

DSRG Organizers:
Marie Adams and Zach Herbert

Speakers to be announced

2:30 pm – 3:45 pm **Concurrent Workshop (Imaging) – Light Microscopy and Flow Cytometry Research Groups**
Room 213AB

Organizer:

Kristopher Kubow, James Madison University

Speakers:

Kristopher Kubow, James Madison University

Nicolas Loof, Children's Medical Center Research Institute at UT Southwestern

Additional speaker to be announced

2:30 pm – 3:45 pm **Concurrent Workshop (Mass Spectrometry) – PRG, iPRG, WIN Presentation**
Room 214D

Organizer:

Roy Martin, Waters Corporation

Speakers:

To be announced

2:30 pm – 3:45 pm **Concurrent Workshop (Core Administration) – Ideas to Implement Branding**
Room 212AB

Organizer:

Andrew Chitty, Oregon Health & Science University

Speakers:

To be announced

3:45 pm – 5:00 pm **Concurrent Workshop (Genomics) – GERG (Genome Editing Research Group) / GBIRG**
(Genome Bioinformatics Research Group)
Room 214ABC

GERG Organizers:

Kym Delventhal and Elizabeth Sergison

GBIRG Organizer:

Christopher Mason

Speakers to be announced

3:45 pm – 5:00 pm **Concurrent Workshop (Imaging) – Spectroscopic**
Room 213AB

Organizer:

Meredith Calvert, Gladstone Institutes

Speakers:

To be announced

3:45 pm – 5:00 pm **Concurrent Workshop (Mass Spectrometry) – Metabolomics Futures in the Core**
Room 214D

Organizer:

Scott Shaffer, UMass Medical School

Speakers:

To be announced

3:45 pm – 5:00 pm **Concurrent Workshop (Core Administration) – Publication Tracking/Acknowledgement**
Room 212AB

Organizer:

Katherine Hale, The University of Texas MD Anderson

Speakers:

To be announced

- 5:30 pm – 6:30 pm** **Poster Sessions and Wine & Cheese Reception**
Hall 4A
- Authors of ODD Numbered Poster Boards Will Present
- 6:30 pm – 7:30 pm** **Technology Showcase: Argolight**
Assure the Performance of Your Fluorescence Microscope
Room TBD
- Technology Showcase: Nanostring Technologies**
Morphology-driven High-Plex Spatial Analysis of Tissue Microenvironments
Room TBD
- Technology Showcase: BenchSci**
The Antibody Crisis: Leveraging Machine Learning for Evidence-based Antibody Search
Room TBD

MONDAY, MARCH 25, 2019

- 7:30 am – 5:00 pm** **Registration Open**
Hall 4A
- 8:00 am – 9:00 am** **The ABRF Annual Award for Outstanding Contributions to Biomolecular Technologies**
Presentation
Room 214ABC
- Award recipient: To be announced*
- 9:00 am – 9:30 am** **Plenary Session III (Imaging) – Light Microscopy**
Room 214ABC
- Organizer:*
Rich Cole, Wadsworth Center
- Speaker:*
Erika Holzbaur, University of Pennsylvania, Perelman School of Medicine
- 10:00 am – 10:30 am** **Coffee Break**
Hall 4A
- 10:30 am – 12:00 pm** **Concurrent Scientific Session (Genomics) – Metagenomics**
Room 214ABC
- Organizer:*
Scott Tighe, University of Vermont, VT
- Speakers:*
Kasthuri Venkateswaran, NASA-JPL
Josh Quick, University of Birmingham UK
Robyn Mikita Barbato, US Army ERDC-Cold Regions Research and Engineering Laboratory
Ken Mcgrath, Microba
John Oliver, Napsys
- 10:30 am – 12:00 pm** **Concurrent Scientific Session (Imaging and Mass Spectrometry) – Imaging and Spatially Explicit**
Mass Spectrometry
Room 214D
- Organizer:*
Christopher Anderton, Pacific Northwest National Laboratory

Speakers:
Ryan Kelly, Brigham Young University and Pacific Northwest National Laboratory
Christina Ferreira, Purdue University
Jared Burks, The University of Texas MD Anderson Cancer Center
Christopher Anderton, Pacific Northwest National Laboratory

10:30 am – 12:00 pm **Concurrent Scientific Session (Core Administration) – Mentoring Approaches in Varied Professional Environments**
Room 212AB

Organizer:
Laura Lewis-Tuffin, Mayo Clinic

Speakers:
Laura Lewis-Tuffin, Mayo Clinic
Robert Burgoyne, Waters Corporation
Heather Brewer, Pacific Northwest National Laboratory
Paul Schwartz, ThermoFisher
Todd Smith, Digital World Biology

10:00 am – 5:00 pm **Exhibit Hall Open**
Hall 4A

12:00 pm – 1:00 pm **Lunch**
Hall 4A

1:00 pm – 2:30 pm **Concurrent Scientific Session (Genomics) – CRISPR/Cas Technology**
Room 214ABC

Organizer:
Eric Kmiec, Christiana Care Health System

Speakers:
To be announced

1:00 pm – 2:30 pm **Concurrent Scientific Session (Imaging) – Super-Resolution Analysis**
Room 213AB

Organizer:
Teng-Leong Chew, Janelia Research Campus

Speakers:
To be announced

1:00 pm – 2:30 pm **Concurrent Scientific Session (Mass Spectrometry) – Emerging Technologies to Bring Glycoproteomics within Reach**
Room 214D

Organizer:
Doug Sheeley, NIH NIDCR

Speakers:
Douglas M. Sheeley, NIDCR, NIH
Parastoo Azadi, CCRC, University of Georgia
Nicola L. Pohl, Indiana University, Department of Chemistry

1:00 pm – 2:30 pm **Concurrent Scientific Session (Core Administration) – Pathways to Sustainability: Green Lab Program, International Institute for Sustainable Laboratories (I2SL) and BETR Grants**
Room 212AB

Organizer:
Sheenah Mische, NYU Langone Medical Center

Speakers:
Katherine Ramirez-Aguilar, University of Colorado Boulder
Sheenah Mische, NYU Langone Medical Center
Phil Wirdzek, I2SL

2:30 pm – 3:30pm **Coffee Break and Poster Session II**
Hall 4A

Authors of EVEN Numbered Poster Boards Will Present

3:30 pm – 4:30 pm **Concurrent Scientific Session (**Genomics**) – MGRG (Metagenomics) and ABRF-NGS (the NGS Study Consortium)**
Room 214ABC

MGRG Organizer:
Scott Tighe, University of Vermont

NGS Organizer:
Jonathan Foon, Weill Cornell Medical

3:30 pm - 3:45 pm: MGRG
Metagenomics RG study: RNA Isolation and Sequencing from Mixed Whole Cell Microbial Communities Using NGS (metatranscriptomics)
Scott Tighe, University of Vermont

3:45 pm - 4:05 pm: ABRF-NGS
Jonathan Foon, Weill Cornell Medical
ABRF Phase II DNaseq Study Wrap -up. Cross Platform Comparisons Using Human and Bacterial DNA Samples

4:05 pm - 4:20 pm: Platinum Sponsor Talk

4:20 pm - 4:30 pm: ABRF-NGS
Scott Jackson, NIST
The Mosaic Challenge: A Microbiome Interlab Study Recruiting 700 International Labs. Understanding Sources or Bias Associated with Microbiome Metagenomic Measurements

3:30 pm – 5:30 pm **Concurrent Scientific Session (**Imaging**) – Particle Tracking**
Room 213AB

Organizer:
Teng-Leong Chew, Janelia Research Campus

Speakers:
To be announced

3:30 pm – 5:30 pm **Concurrent Scientific Session (**Mass Spectrometry**) – From Precision Proteomics to Precision Medicine**
Room 214D

Organizer:
Emily Chen, Thermo Fisher Precision Medicine Science Center

Speakers:
Emily Chen, Thermo Fisher Precision Medicine Science Center
Ian Lienert, Biognosys
Nicolai Bache, Evosep
Andre Leblanc, MRM Proteomics Inc.

3:30 pm – 5:30 pm **Concurrent Scientific Session (**Core Administration**) – Leadership in Science**
Room 212AB

Organizer:

Amanda (Nicole) White, Cincinnati Children's Hospital Medical Center

Speakers:

Mary Winn, Van Andel Research Institution

Sheenah Mische, NYU Langone

Nicole White, Cincinnati Children's Research Foundation

4:30 pm – 5:30 pm **Concurrent Scientific Session ([Core Administration](#)) – Rigor and Reproducibility Practices in a Core Setting**
Room 214ABC

Organizer:

Kevin L. Knudtson, University of Iowa

Speakers:

Katia Sol-Church, University of Virginia School of Medicine

Additional Speaker to be announced

6:00 pm – 7:00 pm **Technology Showcase: PacBio**
Sequel System Updates: Accurate Long Reads in Action
Room TBD

Technology Showcase: Advaita Bioinformatics

Advanced Bioinformatics Tools for Biomarker Identification and Mechanism Discovery from RNA-seq and Protein Data

Room TBD

TUESDAY, MARCH 26, 2019

7:30 am – 4:00 pm **Registration Open**
Hall 4A

8:00 am – 9:00 am **Plenary Session IV – Topic TBD**
Room 214ABC

Organizer:

Roy Martin, Waters Corporation

Speaker:

To be announced

9:00 am – 10:00 am **Late Breaking Topics**
Room 214ABC

Moderator:

To be announced

Speakers:

To be announced

10:00 am – 10:30 am **Coffee Break**
Hall 4A

10:00 am – 2:00 pm **Exhibit Hall Open**
Hall 4A

10:30 am – 12:00 pm **Concurrent Scientific Session ([Genomics](#)): Single Cell Genomics Applications**
Room 214ABC

Organizer:

Catharine Aquino Fournier, ETHZ

Speakers:
Emilio Yáñez, ETH Zurich
Fernando Biase, Auburn University - Department of Animal Sciences
Fan Gao, Caltech

10:30 am – 12:00 pm **Concurrent Scientific Session (**Imaging**): Super-Resolution -Alternatives**
Room 213AB

Organizer:
Lisa Cameron, Duke University

Speakers:
Reto Fiolka, University of Texas Southwestern Medical School
Andrew York, Calico Life Sciences

10:30 am – 12:00 pm **Concurrent Scientific Session (**Mass Spectrometry**): Mass Spectrometry Guided Structural**
Biology
Room 214D

Organizer:
Sophie Harvey, The Ohio State University

Speakers:
Sheena D'Arcy, The University of Texas at Dallas
Sophie Harvey, The Ohio State University
Michael Marty, University of Arizona

10:30 am – 12:00 pm **Concurrent Scientific Session (**Core Administration**): Make New Friends and Learn about**
Advanced Biotechnology Education, Shared/Core Facility Equivalents in Two-Year Colleges
Room 212AB

Organizer:
Todd Smith, Digital World Biology

Speakers:
Linnea Fletcher, Austin Community College
Tyler Drake, Austin Community College
Abbe Kesterson, Bluegrass Community and Technical College
Thomas C Tubon, Madison College
Todd Smith, Digital World Biology

12:00 pm – 1:00 pm **Lunch**
Hall 4A

1:00 pm – 2:30 pm **Concurrent Scientific Session (**Genomics**, **Imaging**, and **Mass Spectrometry**): Is the Grass Really**
Greener? Changing Career Paths
Room 214ABC

Organizer:
Ron Orlando, University of Georgia

Speakers:
To be announced

1:00 pm – 2:30 pm **Concurrent Scientific Session (**Core Administration**): Equipment Grants S10 etc**
Room 212AB

Organizer:
Heather Richards, Oklahoma State University Medical Center

Speakers:
To be announced

2:30 pm – 3:45 pm **ABRF Awards**
Room 214ABC

4:00 pm – 6:00 pm **Members Meeting**
Room 214ABC

7:00 pm – 11:00 pm **Closing Program**
LDR & Grotto, Henry B. González Convention Center

Don't miss the opportunity to make those last connections with attendees, speakers, and exhibitors before leaving the meeting! Complimentary drinks and hors d'oeuvres will be provided. Closing Program Ticket is included in the Full Conference Registration. Guest ticket can be purchased for the Closing Program for \$80 each.