

Sunday, February 25

- 3:00 pm Check-in
- 6:00 pm Reception (*Lobby*)
- 7:00 pm Dinner (*table assignments noted in the Dining Room*)
- 8:00 pm Welcome and Opening Remarks (*Organizers*)**
- 8:15 pm Keynote Lecture**
Hari Shroff, National Institute of Biomedical Imaging and Bioengineering/NIH
- 9:15 pm Refreshments available at Bob's Pub

NOTE:

Meals are in the **Dining Room**
Talks are in the **Seminar Room**
Posters are in the **Lobby**

Monday, February 26

- 7:30 am Breakfast (*service ends at 8:45 am*)
- 9:00 am Session 1: Imaging Techniques**
Chair: Teng-Leong Chew
- 9:00 am **Pablo Ariel**, University of North Carolina at Chapel Hill
Light-sheet microscopy of cleared samples in a core facility
- 9:20 am **Jean Salamero**, Institut Curie- France BioImaging
3D - live CLEM
- 9:40 am **David Hoffman**, Janelia Research Campus/HHMI
Cryo-correlative light and electron microscopy at high resolution of large volumes
- 10:00 am **Paul Tillberg**, Janelia Research Campus/HHMI
Expansion microscopy - scalable super-resolution imaging through uniform specimen expansion
- 10:20 am Break
- 10:50 am Session 2: Data Techniques and Analysis**
Chair: Richard Cole
- 10:50 am **Alison J. North**, The Rockefeller University
Extending the applications of 3D-SIM super-resolution microscopy and strategies to ensure data quality control
- 11:10 am **James Jonkman**, University Health Network
The quantitative quagmire of confocal microscopy
- 11:30 am **Jean-Yves Tinevez**, Institut Pasteur
Unraveling the dynamics of intraflagellar transport in trypanosomes
- 11:50 am Lunch (*service ends at 1:00 pm*)
- 1:30 pm Session 3: Core Operation**
Chair: Alison North
- 1:30 pm **Holly Aaron**, University of California, Berkeley
Introducing non-turnkey systems into a turnkey facility
- 1:50 pm **Gisele Giorgi**, Merritt College
Merritt microscopy program: Lessons learned from a decade of outreach and training technicians

Frontiers in Microscopy Technologies and Strategies for Bioimaging Centers Network

- 2:10 pm **Anita Mahadevan-Jansen**, Vanderbilt University
BioMIID – biomedical microscopy: Innovation and discovery – a new initiative at the Vanderbilt Biophotonics Center
- 2:30 pm **Mark Sanders**, University of Minnesota
University Imaging Centers at the University of Minnesota - An imaging network across disciplines
- 2:50 pm **Ammasi Periasamy**, University of Virginia
An active research program enhances the visibility of the imaging facility
- 3:10 pm Break
- 3:40 pm Session 4: Data Handling and Sharing**
Chair: Claire Brown
- 3:40 pm **Jeremy Freeman**, Chan Zuckerberg Initiative
Supporting open ecosystems for image analysis
- 4:00 pm **Charlotte K. Stadler**, Science for Life Laboratories
Bridging resources of the Human Protein Atlas to the broader research community through the Cell Profiling Core Facility
- 4:20 pm **Andrew Mehnert**, The University of Western Australia
Meeting the big data challenge at the Centre for Microscopy, Characterisation and Analysis at the University of Western Australia
- 4:40 pm **Jason Swedlow**, University of Dundee
The Image Data Resource: A platform for publishing, integrating and mining biological imaging data at scale
- 5:00 pm Reception
- 6:30 pm Dinner
- 8:00 pm Keynote Lecture**
Luke Lavis, Janelia Research Campus/HHMI
Designing and distributing brighter dyes for advanced fluorescence microscopy
- 9:00 pm Refreshments available at Bob's Pub

Tuesday, February 27

- 7:30 am Breakfast (*service ends at 8:45 am*)
- 9:00 am Session 5: Bioimaging Network**
Chair: John Eriksson
- 9:00 am **Claire M. Brown**, McGill University
Canadian network of scientific platforms
- 9:20 am **Antje Keppler**, European Molecular Biology Laboratory
The Global BioImaging project: Building an international network of imaging research infrastructures
- 9:40 am **Christopher D. Wood**, Instituto de Biotecnología, Universidad Nacional Autónoma de México
Supporting optical microscopy in Mexico from the National Laboratory for Advanced Microscopy: A developing country perspective on core facility management
- 10:00 am **Elisa May**, University of Konstanz
German BioImaging: Community building and networking under the auspices of Ernst Abbe
- 10:20 am Break
- 10:50 am Session 6: Large Centers and Commercial Interactions**
Chair: Jennifer Waters
- 10:50 am **Simon Watkins**, University of Pittsburgh
Never a round peg in a square hole: Funding and building a large imaging enterprise
- 11:10 am **Joshua Rappoport**, Northwestern University
Successfully managing vendor relationships
- 11:30 am **Teng-Leong Chew**, Janelia Research Campus/HHMI
Bridging instrument development and commercialization through an open-access imaging center
- 11:50 am **Robert Price**, University of South Carolina
Considerations in building a comprehensive imaging and biomolecular core facility
- 12:10 pm Lunch (*Service ends at 1:00 pm*)

- 1:30 pm** **AIC Techno Talk**
- 2:30 pm Break
- 2:45 pm** **Tour (Round 1)**
Group A: AIC tour
Group B: Building tour (*optional - meet at reception*)
- 3:45 pm Break
- 4:15 pm** **Tour (Round 2)**
Group A: Building tour (*optional - meet at reception*)
Group B: AIC tour
- 5:15 pm Poster Reception
- 7:00 pm Dinner
- 8:00 pm** **Session 7: Imaging Consortium**
Chair: Simon Watkins
- 8:00 pm **Scott E. Fraser**, University of Southern California
Adding dimensions to the quantitative imaging of intact biological systems
- 8:20 pm **Robert H. Singer**, Albert Einstein College of Medicine
Building tools for microscopy
- 8:40 pm **John Eriksson**, Turku BioImaging
Isn't internal service enough? - From local imaging services into international open access
- 9:00 pm Refreshments available at Bob's Pub

Wednesday, February 28

- 7:30 am Breakfast (*service ends at 8:45 am*)
- 8:30 am Core Forum: Career & Challenges**
Chair: Joshua Rappoport
- 8:30 am **Peter O'Toole**, University of York
The two sides: Running a core with own R&D within the facility
- 8:50 am **Kurt Anderson**, The Francis Crick Institute
TBD
- 9:10 am Discussion
- 9:30 am Break
- 9:50 am Core Forum: Instrument Grant Writing**
Chair: Robert Price
- 9:50 am **Richard Cole**, NY State Department of Health, Wadsworth Center
Funding high-end instrumentation
- 10:15 am **Simon Watkins**, University of Pittsburgh
NIH shared instrumentation grants
- 10:40 am Discussion
- 10:50 am Break
- 11:10 am Core Forum: Financial Sustainability**
Chair: Antje Keppler
- 11:10 am **Richard Conroy**, Office of Strategic Coordination/NIH
Supporting bioimaging networks and FAIR data at NIH
- 11:30 am **Gary B. Greenburg**, Gordon and Betty Moore Foundation
The Gordon and Betty Moore Foundation
- 11:50 am Discussion on financial sustainability
- 12:30 pm Conclusion / Final Remarks**
- 12:35 pm Lunch and/or Departure (*Lunch service ends at 1:00 pm*)
- 1:00 pm First shuttle to Dulles
2:00 pm Second shuttle to Dulles
3:00 pm Last shuttle to Dulles