



Imaging Structure & Function in the Nervous System

July 26 – August 15, 2022
Hershey Laboratory

INSTRUCTORS:

Elizabeth Hillman
Benjamin Judkewitz
Ruben Portugues
Philbert Tsai

Columbia University, New York NY
Charité Berlin, Berlin, Germany
Technical University of Munich, Munich, Germany
University of California, San Diego, La Jolla CA

CO-INSTRUCTOR:

Joseph Donovan

Max Planck Institute of Neurobiology, Martinsried, Germany

ASSISTANTS:

Walter Bast
Caroline Berlage
Zhe (Phil) Dong
Antonia Groneberg
Anna Gruzdeva
Hagar Lavian
Katja Slangewal
Clarissa Whitmire

Cold Spring Harbor Laboratory, Cold Spring Harbor NY
Charité - Universitätsmedizin Berlin, Berlin, Germany
Icahn School of Medicine at Mount Sinai, New York NY, -
Charité University Hospital, Berlin, Germany
Cornell University, Ithaca NY
Technical University of Munich, Munich, Germany
University of Konstanz, Konstanz, Germany
Max Delbrück Center for Molecular Medicine, Berlin, Germany

PARTICIPANTS:

Chloé Benoit
Peter Hogg
Javier How
Dhiraj Jain
Rahel Kastli
Madeline Klinger
Linh Le
Ali Mohebi
Jeremy Murphy
Jonathan Perelmutter
Keith Perkins
Ashlan Reid
Gabriela Rodriguez
Nadjat Serradj
Yuki Tanimoto
Nikki Tjahjono

DZNE, Bonn, Germany
University Of British Columbia, Vancouver BC, Canada
Johns Hopkins University, Baltimore MD, -
Rice University, Houston TX
Harvard University, Cambridge MA
University of California, Berkeley, Berkeley CA
University of Rochester Medical Center, Rochester NY
University of California San Francisco, San Francisco CA
Brown University, Providence RI
Cornell University, Ithaca NY
Rutgers University, Piscataway NJ
The City College of New York, New York NY
Max Planck Florida Institute, Jupiter FL
Burke Beurological, White Plains NY
RIKEN Center for Brain Science (CBS), Wako, Saitama, Japan
University of California, Davis, Davis CA



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Wednesday July 27th

6:30 pm Fluorescence, Jablonski diagrams, filters **Darcy Peterka**
Columbia University

Thursday July 28th

9:00 am Principles and Practice of Confocal Microscopy
/ Applications of Confocal and other Imaging
approaches to connectomics **Jeff Lichtman**
Harvard University

Friday July 29th

9:00 am Noise & Detectors **Jennifer Waters**
Harvard Medical School

Saturday July 30th

1:00 pm Holography **Valentina Emiliani**
Vision Institut

Wednesday August 3rd

9:00 am Fluorescent and bioluminescent Calcium sensors **Michael Lin**
Stanford University

10:40 am Whole-brain ultrasound imaging
(virtual lecture) **Emilie Mace**
*Max Planck Institute of
Neurobiology*

Thursday August 4th

9:00 am 3P **Chris Xu**
Cornell University

10:40 am Voltage Sensors - viruses etc? **Francois St Pierre**
Baylor College of Medicine

Friday August 5th

9:00 am Adaptive optics [?] +? **Na Ji**
University of California Berkeley

Continued on next page



Cold Spring Harbor Laboratory
MEETINGS & COURSES PROGRAM

Monday August 8th

9:00 am Building custom optics / wide-FOV 2P
microscopy

Spencer Smith
UC Santa Barbara

Tuesday August 9th

9:00 am Simple overview of Suite2p

Carsen Stringer
HHMI Janelia Research Campus

10:30 am SLAP

Kaspar Podgorski

Thursday August 11th

9:00 am Miniscope and Minian

Denise Cai
Mount Sinai

10:40 am Posture tracking & Adaptive Motor Control
(virtual lecture)

Mackenzie Matthis
*Swiss Federal Institute of
Technology, Lausanne*