

S²C² CryoEM Specimen Preparation and Data Collection

Workshop Agenda

March 3-4, 2021

Zoom Participation only:

<https://stanford.zoom.us/j/97878263621?pwd=aCtHWERMVVRueU02QnBHS0NxRXkwZz09>

Wednesday, March 3, 2021

Start Time (PST)	End Time (PST)	Activity	Title	Speaker
8:00 AM	8:10 AM	Introduction	Welcome	Wah Chiu
8:10 AM	9:40 AM	Lecture	Understanding the invisible hands of sample preparation for cryo-EM	Peter J. Peters
9:40 AM	9:50 AM	Break		
9:50 AM	11:20 AM	Lecture	Optimizing Direct Detector Design for a Range of Cryo-EM Techniques	Benjamin Bammes
11:20 AM	11:30 AM	Break		
11:30 AM	1:00 PM	Lecture	The latest generation technology for Cryo-EM allowing for unparalleled scientific breakthroughs	Jeff Lengyel
1:00 PM		Close		

Thursday, March 4, 2021

Start Time (PST)	End Time (PST)	Activity	Title	Speaker
8:00 AM	9:30 AM	Lecture	Principles of information loss in cryoEM and how eliminating specimen movement can improve cryomicrographs	Christopher Russo
9:30 AM	9:40 AM	Break		
9:40 AM	11:10 AM	Lecture	Advances in direct electron detection: Getting the most out of your microscope	Sahil Gulati
11:10 AM	11:20 AM	Break		
11:20 AM	11:50 AM	Lecture	Data Management at S ² C ²	Yee Ting Li

11:50 AM	12:20 PM	Lecture	S ² C ² data collection	Patrick Mitchell
12:20 PM		Close		

Speakers:

1. Professor Peter J. Peters: Maastricht Multimodal Molecular Imaging Institute (M4i), Maastricht University and CryoSol-World, The Netherlands
2. Dr. Benjamin Bammes: Direct Electron, LP
3. Dr. Jeff Lengyel: Thermo Fisher
4. Dr. Christopher Russo: LMB, MRC, Cambridge, UK
5. Dr. Sahil Gulati: Ametek
6. Dr. Yee Ting Li: SLAC National Accelerator Laboratory
7. Dr. Patrick Mitchell: SLAC National Accelerator Laboratory