

Common Fund CryoEM Centers Annual Meeting

24 - 25 May 2022

New York, NY

Hosted by

National Center for CryoEM Access and Training (NCCAT)

New York Structural Biology Center

Tuesday 24 May 2022

8:00 am ***Breakfast***

8:30 pm **Welcome** **Clint Potter, NCCAT**
Welcome **TBD (NIH representatives)**

8:40 am **National CryoEM Centers Progress** **Bridget Carragher, NCCAT**
8:45 am **Amy Liu, S2C2 (Training Focus)**

(15 minutes + 5 minutes for questions)

9:05 am **Claudia Lopez, PNCC (Outreach and Access Focus)**

(15 minutes + 5 minutes for questions)

9:25 am **Ed Eng, NCCAT (Automation Focus)**

(15 minutes + 5 minutes for questions)

9:45 am **User Talks** **Mike Schmid, S2C2**

9:50 am **Bret D. Freudenthal, U Kansas Medical Center**

(12 minutes + 3 minutes for questions)

10:05 am **Sudha Chakrapani, Case Western U**

(12 minutes + 3 minutes for questions)

10:20 am **Andrew Santiago-Frangos, Montana State U**

(12 minutes + 3 minutes for questions)

10:45 am ***Coffee Break***

11:15 am **National CryoET Centers Progress** **Steve Reichow, PNCC**

11:20 am **Elizabeth Wright, MCCET (Overview)**

(12 minutes + 3 minutes for questions)

11:35 am **Lydia-Marie Joubert, SCSC (Methods Focus)**

(12 minutes + 3 minutes for questions)

11:50 am **Andy Hoenger, CCET**

(12 minutes + 3 minutes for questions)

12:05 am **Misha Kopylov, NCCAT (Training Focus)**

(12 minutes + 3 minutes for questions)

12:30 am ***Lunch***

1:30 pm **Keynote Lecture** **David Baker, U Washington**

- 2:15 pm** **Panel discussion: impact of RoseTTAFold and Alphafold**
Pilar Cossio, Flatiron Institute
Panelists: David Baker, U Washington; Stephen Burley, Rutgers U;
Oliver Clarke, Columbia U
- 3:00 pm** **Coffee Break**
- 3:30 pm** **Curriculum Development Talks** **Clint Potter, NCCAT**
3:35 pm **Julia Brasch, U Utah**
(12 minutes + 3 minutes for questions)
3:50 am **Yingjie Victor Chen and Wen Jiang, Purdue U**
(12 minutes + 3 minutes for questions)
4:05 am **Michael Cianfrocco, U Michigan/UCSD**
(12 minutes + 3 minutes for questions)
4:20 am **Grant Jensen, Caltech**
(12 minutes + 3 minutes for questions)
4:35 am **Christina Zimanyi, NCCAT; Merit Badge Update**
(12 minutes + 3 minutes for questions)
- 5:00 pm** **Snacks and drinks**
- 7:00 pm** **End of day**

Wednesday 25 May 2022

- 8:00 am** **Breakfast**
- 8:30 pm** **Screening at the National CryoEM Centers** **Craig Yoshioka, PNCC**
8:35 am **Omar Davulcu, PNCC**
(12 minutes + 3 minutes for questions)
8:50 am **Htet Khant, S2C2**
(12 minutes + 3 minutes for questions)
9:05 am **Eugene Chua, NCCAT**
(12 minutes + 3 minutes for questions)
- 9:30 am** **Breakout Sessions** **Eric Gouaux, PNCC**

Proposed topics:

RMS/ Measuring Project Success: Elina Kopylov, NCCAT; Stefan Maas, NIH
Future of Training: Claudia Lopez, PNCC; Amy Liu, S2C2
Centers role in image processing/ Data storage and retention: James Evans, PNCC; Craig Yoshioka, PNCC; Yee Li, S2C2
Future of instrumentation/technology: Bridget Carragher, NCCAT; Wah Chiu, S2C2
Outreach to resource limited institutions: Steve Reichow, PNCC; Lydia-Marie Joubert, S2C2
Common Efforts Between the Centers: ??????

Track 1 **National Centers for Access and Training**
1:30 pm **Extended tours and demonstrations at NCCAT/NCITU**
 Discussions and breakout sessions for individual or small groups
[These will be located at Simons Electron Microscopy Center where NCCAT and NCITU are housed. We will have breakout rooms available in case groups want to organize into small meetings]

1:30 pm	Welcome	Elizabeth Wright, MCCET
1:35 pm	User Projects	TBD
1:35 pm	Keith Thompson, MCCET (User base overview) (12 minutes + 3 minutes for questions)	
1:50 pm	Gira Bhaba, NYU (User project) (12 minutes + 3 minutes for questions)	
2:05 pm	Andy Hoenger, CCET	
2:20 pm	Stefan Olivier, Stanford Medical School (12 minutes + 3 minutes for questions)	
2:35 pm	Method Development	TBD
2:35 pm	Daija Bobe, NCITU (Waffle method)	
2:50 pm	Jae Yang, MCCET	
3:05 pm	Michael Stowell, CCET	
3:20 pm	Pete Dahlberg, SLAC (Correlative CLEM and cryoET)	
3:35 pm	Coffee Break	
4:00 pm	Panel discussion on CryoET	Wah Chiu, SCSC
	Proposed panelists: Elizabeth Villa, UCSD; Yee Li, SLAC;	
5:00 pm	Concluding Comments from representative from NIH	TBD
6:30 pm	Dinner for those remaining	