

## 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

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### Tuesday 24 May 2022

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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      **Lejla Zubcevic, KU 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**

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**Wednesday 25 May 2022**

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- 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:** ??????

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**10:30 am      Coffee Break**

**11:00 pm      Keynote Lecture      Elizabeth Villa, UCSD**

**11:45 pm      Summary of Breakout Sessions      Eric Gouaux, PNCC**

**12:45 pm      Box Lunch**

**1:30 pm      End of Joint Session**

*[The meeting will then break into two tracks]*

**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]*

**Track 2      National Centers for CryoET**

**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, SCSC (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; Grant Jensen, U Utah

**5:00 pm      Concluding Comments from representative from NIH      TBD**

**6:30 pm      Dinner for those remaining**