

## 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**  
**Welcome**      **TBD (NIH representatives)**

**8:40 am**      **National CryoEM Centers Progress**      **Bridget Carragher**  
**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**  
**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**  
**11:20 am**      **Elizabeth Wright (MCCET)** (12 minutes + 3 minutes for questions)  
**11:35 am**      **Lydia-Marie Joubert (SCSC)** ( method development for advanced (Aquilos2) workflows) (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**

**2:15 pm**      **Panel discussion on the impact of RoseTTAFold and Alphafold**  
**Pilar Cossio**

**Panelists: David Baker, Stephen Burley, Oliver Clarke**

**3:00 pm**      **Coffee Break**

**3:30 pm**      **Curriculum Development Talks**      **Clint Potter**  
**3:35 pm**      **Julia Brasch (Utah)** (12 minutes + 3 minutes for questions)  
**3:50 am**      **Yingjie Victor Chen and Wen Jiang (Purdue)** (12 minutes + 3 minutes for questions)  
**4:05 am**      **Michael Cianfrocco (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 (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**

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**8:00 am**      **Breakfast**

**8:30 pm**      **Screening at the National CryoEM Centers**      **Craig Yoshioka**  
**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**

**Suggested topics:**

**RMS/ Measuring Project Success: Elina Kopylov, Stefan Maas**  
    **Future of Training: Claudia Lopez**  
    **Centers role in image processing/ Data storage and retention: James Evans, Craig Yoshioka**  
    **Future of instrumentation/technology (including automation): Bridget, Wah**  
        **Subtopic: Centers Doing tech dev?**  
    **Outreach to resource limited institutions: Steve Reichow, Lydia-Marie Joubert**  
    **Common Efforts Between the Centers:**  
        **Subtopic: Common Review, Record keeping**

**10:30 am**      **Coffee Break**

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

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

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**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***

**Liz Wright**

**1:35 pm      *User Projects***

**TBD**

**1:35 Keith Thompson (MCCET) (user base overview) (12 minutes + 3 minutes for questions) [Asked on 4/1]**

**1:50 Gira Bhaba (NCITU) (user project) (12 minutes + 3 minutes for questions) [Asked on 4/1]**

**2:05 Andy Hoenger (CCET)**

**2:20 Stefan Olivier, Stanford Medical School**

**2:35 pm      *Method Development***

**TBD**

**2:35      *Daija Bobe, Waffle method, NCITU***

**2:50      *Jae Yang, MCCET***

**3:05      *Michael Stowell, CCET***

**3:20      *?? SCSC***

**3:35 pm      *Coffee Break***

**4:00 pm      *Panel discussion on CryoET***

**Wah Chiu**

**Proposed panelists: Elizabeth Villa, one TBD panelist from each center**

**5:00 pm      *End***

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