

**BINDSセミナー**

## **What to expect from cryo-EM (at a national service center)**

**講師: New York Structural Biology Center  
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**場所:** 4号館1階セミナーホール

### 要旨 (Abstract)

Advances in cryo-electron microscopy (cryo-EM) imaging technology and data processing have resulted in the recent growth of single particle structures, which extend to near-atomic resolution.

To broaden biomedical scientists' access to cryo-EM the NIH Common Fund's Transformative High Resolution Cryo-Electron Microscopy program has created three national service centers to provide access to the technology and the development of training curricula to build a skilled workforce.

The mission of the NCCAT (National Center for Cryo-EM Access and Training) service center is twofold: to provide nationwide access to advanced cryo-EM technical capabilities, and to assist users in the development of cryo-EM skills needed for independent research.

NCCAT provides access to state-of-the-art equipment required to solve structures to the highest possible resolution using cryo-EM methods.

By implementing the most current best practices users are able to optimize different experimental parameters on-the-fly, thereby allowing reconstructions to be determined from images collected in a single day.

Our objective is to enable biomedical researchers from all fields to make use of these cryo-EM techniques and methodologies in their research programs.

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