# National Center for CryoEM Access and Training

The mission of NCCAT is twofold: to provide nationwide access to advanced cryoEM technical capabilities, and to assist users in the development of cryoEM skills needed for independent research. NCCAT provides access to state-of-the-art equipment required to solve structures to the highest possible resolution using cryoEM methods.

Construction Updates

Construction on the new 5000SQF space to house NCCAT at the New York Structural Biology Center continues to make good progress. Recently construction of the outside walls was completed so that the space is now fully enclosed, and the inside walls are beginning to go up. Construction is expected to be completed in August.
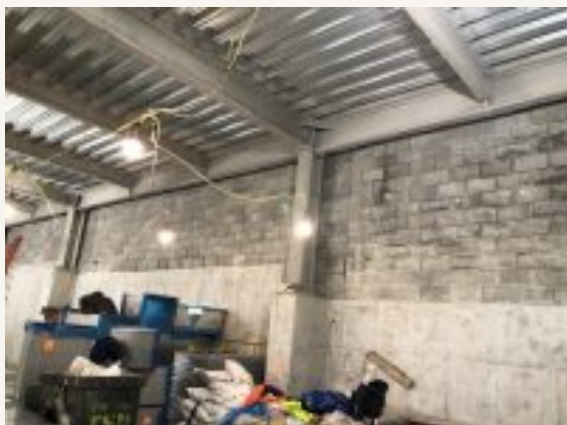
Win A T-Shirt

Are you going to the 63rd Annual Biophysical Society Meeting (**BPS19**) in Baltimore this year? Would you like a chance to win a T-shirt? Send us your picture of "NCCAT" and enter our image contest give away.

Visit the NCCAT table at the Eduction & Career Opportunities Fair on Sunday, March 3 between 1 PM and 3 PM at the BPS Annual Meeting.

Location:
Baltimore Convention Center
Exhibit Hall C
1 Pratt Street
Baltimore, MD 21202

AMA Session!

Ed Eng and Elina Kopylov will be available for an online question and answer session this month to address any and all queries about NCCAT policies, access, facilities etc. Please email **nccatinfo@nysbc.org** to let us know if you are interested. We will send out a link to the session about a half hour before it starts.

Submit Your Proposal to NCCAT

NCCAT GUP1 PROPOSAL SUBMISSION

The **GUP1 early access program** supports single particle cryoEM data collection on one of our existing Titan Krios instruments using a Gatan K2 direct-electron detector.

Submit Now!

NCCAT GUP2 PROPOSAL SUBMISSION

The **GUP2 cycle** supports use of Chameleon (the commercialized version of Spotiton) and an exploratory screening microscope session.

Submit Now!

NCCAT TP1 PROPOSAL SUBMISSION

The **TP1 cycle** supports embedded scientist training.

Submit Now!

NCCAT TP2 PROPOSAL SUBMISSION

The **TP2 cycle** supports facility manager training

Submit Now!

First Embedded Scientist

The goal of our TP1 Embedded Research Program is to provide cross training aimed at enabling a researcher to become a fully independent in all aspects of cryoEM. We hope that these cross training efforts will be amplified and the embodied scientist take this knowledge back to their home institutions.

We just onboarded our first TP1 scientist, Sarah Port from Princeton University. She will spend the next 3 months embedded with the NCCAT team at NYSBC.

Career Opportunities

Research Associate & Scientist

We are seeking an experienced electron microscopist to join the NCCAT team. The individual will be responsible for collection of high-resolution data for NCCAT users and also support our cross-training efforts. Responsibilities will include: operation of screening and high-end microscopes, specimen preparation (negative stain, vitrification, Chameleon), image analysis, processing and 3D reconstruction, one-on-one training of embedded scientist, feedback to users. Opportunities for collaborative research are available through the Simons Electron Microscope Center.

More Information

Technician

We are looking for bright and enthusiastic individuals to help out with various tasks to keep the lab running. Most important requirements are a good attitude, ability to learn, able to work independently, and willingness to do what needs to be done. Must be able to work in a multi-tasking environment where priorities may change often and be able to work well with others. Previous electron microscope experience is not required, but is a plus.

More Information

Internship

We are looking for an enthusiastic individual to help out with various tasks to keep the lab running. Most important qualities are a good attitude, ability to learn, and willingness to do what needs to be done. Must be able to work in a multi-tasking environment where priorities may change often and be able to work well with others.

More Information

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