

Access to the Duke Tundra/Training/Reservation

About the Duke Tundra:

The Tundra located in the Duke Shared Materials Instrumentation Facility (SMIF) is a cryo-transmission electron microscope (Cryo-TEM) from Thermo Fisher designed for sample screening for high resolution studies on frozen biological specimens. The Tundra is equipped with SmartEPU software to quickly visualize your frozen sample. Tundra usage is open to both Duke University researchers as well as external researchers.

Training:

For training purposes please contact Nilakshee Bhattacharya (nb219@duke.edu) or Lydia Parks (lydia.parks@duke.edu). SMIF staff will schedule a training session for you. Only when you are certified by SMIF personnel, you will be able to book time in CoreResearch for the microscope for independent studies. The pre-requisite for training will be to attend all SMIF required safety training classes and an active fund code in CoreResearch. This will provide you access to SMIF facility and book training/reservation time on Tundra.

Tundra reservation rules:

- Only after certification from SMIF personnel you can reserve time in CoreResearch.
- Each certified user may have up to a maximum of 3 active reservations on the CoreResearch calendar. Once one of these reservations has been completed, an additional reservation can be made.
- The maximum time for a single reservation is 4 hours
- More than one reservation can be made for a single day, but each reservation counts toward the maximum of 3 active reservations.
- Reservations can be made up to 2 months in advance.

Please Note: Monday evening 5pm to Tuesday morning 9 am and Thursday evening 5pm to Friday morning 9am the microscope reservation time on Tundra will not be available. This time is reserved for cryo-cycle.