Glacios 200kV CryoTEM Guidelines CryoEM Core Facility

- To use our Glacios CryoTEM, users must make a reservation through our booking system.

- To reserve a Training Session, contact the Core Facility Director beforehand.

- Reservations will run for a maximum of one week of microscope Time.

- The Microscope will be CryoCycled every Sunday at noon. It is the user’s responsibility to save their grids. This must be done at least an hour before the CryoCycle begins.

- The Glacios CryoTEM must be reserved for a four-hour minimum per session. The samples will be unloaded 15 minutes before the end of the reservation. Only four grids will be loaded for 4-hour reservations and up to 11 grids for 8-hour reservations.

- Only users with prescreened suitable grids can reserve the Glacios for overnight or daily data collection.

- Users are required to clip the grids before the microscope reservation.

- Sample Loading will only be done by Superusers. Otherwise, the samples will be loaded by the facility staff.

- Keep the tweezers, screwdrivers, Nanocap, and loading station in designated spots. Keep them Dry at all times.

- Check-in in the instrument before using it. You will find a QR code in the Glacios’s proximity and the control room. Make sure you are checking in using only your reservation number.

- The sample will be Loaded in the Glacios only at the starting time of your reservation.

- Fifteen minutes before the end of your reservation, remove the grids from your microscope. Otherwise, the grids will be disposed of. If assistance is needed to store the grids, notify the facility staff at the beginning of your reservation.
• **Check-out** after the end of your Glacios session using the same QR code and your reservation Number.

• **Dry** all the tools and store them in the appropriate area at the end of the reservation.

• **Dispose** the liquid nitrogen from the Dewar and set them to dry facing down.

• **Report** to the staff if you **stored samples** in the Facility Dewar. Report the position and number of grid boxes. A monthly charge will be applied per falcon tube/puck stored. **Unreported** samples will be **disposed of**.

• Failure to comply with these guidelines may result in getting your **Glacios privileges revoked**.

• For any Glacios-related questions or issues, contact the facility staff.