



Leica EM GP2 Guidelines CryoEM Core Facility

- To use our Leica EM GP2, users must make a reservation through our **booking system**.
- To reserve a **Training Session**, **contact** the Core Facility **Director** beforehand.
- The Leica EM GP2 must be reserved for a **minimum of two hours** per session. With a **two hours downtime** between reservations.
- **Keep** the tweezers, screwdrivers, 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 proximity of the Leica EM GP2 to do this. Make sure you are check-in using only your **reservation number**.
- You can **turn on** the Leica EM GP2 only at the **starting time** of your reservation.
- You can use the **glow discharger** as many times as required during your Leica EM GP2 reservation. A **single time** glow discharger **fee** will be applied to all your Leica EM GP2 sessions.
- At the **end** of your reservation **remove** the **bloating paper** from the bloating chamber, **remove** the **water** from the Humidifier, and **dry** the interior of the **bloating chamber**.
- **Move** the Leica EM GP2 **eyepiece** to the left side of the instrument and **initiate** the **Bakeout** of the Leica EM GP2 by going into the settings window.
- **Leave** the sample chamber **window open**.
- **Turn off** the instrument after the **bakeout is completed** if you are using the instrument **afterhours**.
- **Dispose** pipette tips and other used materials in the **trash bins**.
- Make sure the **Ethane gas cylinder** is properly **closed**.
- **Check-Out** after the end of your Leica EM GP2 session using the same QR code, and your **reservation Number**.

- **Log** the number of grids and grid boxes used. You will be able to log them in the Check-Out form.
- **Dry** all the tools and store them in the Leica EM GP2 case at the end of the reservation.
- **Dispose** the liquid nitrogen from the Dewar 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. Samples **not reported** will be **disposed** by the Facility personnel.
- Failure to comply to these guidelines may result in getting your **Leica EM GP2 privileges revoked**.
- For any Leica EM GP2 related questions or issues please contact the facility staff.