

The Glacios microscope interfaces

The microscope console

Location: right in front of you on the desk

Role: it provides direct control of some of the most important microscope parts:

- Magnification
 - Electron dose: spot size (C1 lens) and beam spread (C2 lens)
 - Focus (objective lens current)
 - Stage position (with the joystick and Z buttons)
 - Beam position (with the trackball)
 - and many other actions through the programmable switches (L/R1-2-3) and Multifunction X/Y knobs.
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Gatan DigitalMicrograph (DM)

Location: On the left screen

Role: It controls the K2 direct electron detector.

- The beginner user will not use it.
 - [The expert user will use it to:](#)
 - prepare Dark, linear and counting / Super Resolution gain references.
 - measure the dose.
 - monitor the K2 health status.
 - troubleshoot the system.
 - perform cryo-cycle of the detector
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SerialRM User Interface (SEMUI)

Location: On the left screen

Role: It provides camera/microscope commands to allow the user to screen its grids and setup an automated data collection.

- ==The beginner user will use it to:|<div>
- Record the Atlases.
- Select squares and prepare the square maps at eucentric height.
- Select targets

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