

# Setup an automated data collection at Glacios

## Beam microprobe and nanoprobe calibrations

- Introduce the Cross Grating Grid in the column.
- Go to x34 Imaging status.
- Select 2 positions: a carbon square and an empty square.
- Introduce the Condenser 2 of 30 um
- Go to x280 Imaging status.
- In DigitalMicrograph click View and place the mouse arrow on a feature.
- Use Alpha Toggle 20° in Stage<sup>2</sup> window (TEM) to rock the grid.
- Correct with **Z axis knobs** on the console.
- Repeat a second time.
- Go to x45k Imaging status
- In Low Dose Control window (SEM) click on Go to: Record.
- Push the **Eucentric Focus** knob on the console.
- Inset the screen (FC)
- Push the **Wobbler** knob on the console
- Adjust the Z height on the screen with the **Z axis knobs** on the console.

## Microprobe

- Go to microprobe (TEM)
- Push the **Eucentric Focus** knob on the console.
- In the **Direct Alignments** window:
  - Click on **Beam tilt pp X**.
  - Adjust with **Multifunction X/Y** knobs.
  - Click **Done** at the bottom of the window.
  - Click on **Beam tilt pp Y**.
  - Adjust with **Multifunction X/Y** knobs.
  - Click **Done** at the bottom of the window.
  - Click on **Beam shift**.
  - Adjust with **Multifunction X/Y** knobs.
  - Click **Done** at the bottom of the window.
  - Click on **Rotation center**.
  - Adjust with **Multifunction X/Y** knobs.
  - Click **Done** at the bottom of the window.

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