RELION

RELION is a cryo-EM structure determination package. On the TAU HPC cluster it runs on the dedicated `gpu-relion` partition with X11 forwarding.

Requirements

- Access to the `gpu-relion-users_v2` account — contact HPC support if you don't have it
- SSH connection with X11 forwarding enabled: `ssh -X username@slurmlogin.tau.ac.il`

Starting a RELION Session

Start an interactive job on the GPU RELION partition with X11:

```
srun --ntasks=1 -p gpu-relion-pool -A gpu-relion-users_v2 --qos=owner --x11 --pty bash
```

Load the RELION module:

```
module load relion/relion-4.0.1
```

Launch RELION:

```
relion
```

Notes

- RELION requires X11 — make sure your SSH connection was made with `-X` or `-Y`
- For batch processing pipelines, RELION can submit its own Slurm jobs from within the GUI
- For access or issues contact hpc@tauex.tau.ac.il

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