



## Staff Scientist – Cryo-EM Unit, Ben-Gurion University of the Negev

The **Cryo-Electron Microscopy (Cryo-EM) Unit** at **Ben-Gurion University of the Negev (BGU)** is seeking a talented and motivated **Staff Scientist** to join our team.

The cryo-EM unit at BGU is equipped with state-of-the-art instruments including **200 keV Thermo Fisher Glacios**, soon-to-arrive **300 keV Titan Krios**, and **HYDRA PFIB-SEM**. The Unit supports the entire Israeli structural biology, leveraging our expertise in **single-particle analysis (SPA)** and **cryo-electron tomography (Cryo-ET)**. We are part of a growing national infrastructure and are committed to advancing cutting-edge research in structural biology and related fields.

### Key Responsibilities

- Provide expert support in **SPA, Cryo-ET**, and **sub-tomogram averaging**.
- Contribute to the operation and maintenance of our **advanced EM instrumentation**.
- Assist users with **sample preparation, data collection, image processing, and data analysis**.
- Train and mentor users in cryo-EM workflows and best practices.
- Collaborate with researchers to develop and optimize experimental protocols.

### Required Qualifications

- Ph.D. in **structural biology, cell biology, biochemistry**, or a related field.
- Hands-on experience with **cryo-EM techniques**, including SPA and/or Cryo-ET.
- Strong computational skills, including proficiency in **UNIX/Linux environments**.
- Demonstrated ability to publish in **peer-reviewed journals**.
- Excellent communication skills and the ability to work both independently and as part of a multidisciplinary team.

### Preferred Qualifications

- Experience with **cryo-TEM sample preparation and microscope operation**.
- Familiarity with scripting (e.g., **Python, Shell**) and cryo-EM software packages (e.g., **RELION, CryoSPARC, IMOD**).
- Prior experience in a **multi-user facility** or core lab environment

For applications, please send your CV and cover letter to Dr. Efrat Forti, Head of the Research Support Labs, at [forti@bgu.ac.il](mailto:forti@bgu.ac.il).