

Job Opening: Expert in Scanning Electron Microscopes and Focus Ion Beam Microscopes

Company: Tel Aviv University Nanotechnology Center

Location: Tel Aviv, Israel

Are you an accomplished professional in the field of high-resolution scanning electron microscopes (SEM) and focus ion beam microscopes (FIB)? Are you seeking an exciting opportunity to contribute to cutting-edge research and innovation? Look no further!

Tel Aviv University Nanotechnology Center is actively searching for an exceptional individual to join our team as an Expert in Electron and Ion Beam Microscopes. As part of our new center, you will play a pivotal role in advancing nanotechnology research and exploration.

About Tel Aviv University Nanotechnology Center:

The Tel Aviv University Nanotechnology Center is a leading research institution at the forefront of nanoscience and nanotechnology advancements. Our missions are enabling advanced capabilities for faculty, promoting multidisciplinary research activities, managing core central equipment facilities, launching educational programs, and collaborating with the Israeli industry to contribute to the country's technology evolution.

Role and Responsibilities:

- Operate and maintain high-resolution scanning electron microscope and dual -beam focus ion beam microscope,, with precision and expertise.
- Provide technical guidance and support to researchers, faculty, and students utilizing the microscopy facilities.
- Collaborate with multidisciplinary teams on research projects involving nanoscale imaging, characterization, and fabrication.
- Collaborate with Industry and provide professional imaging and analysis services
- Develop and implement innovative methodologies and techniques to enhance microscope performance and capabilities.
- Stay updated with emerging trends and advancements in SEM and FIB technologies, suggesting equipment upgrades or improvements as necessary.

Qualifications and Requirements:

- Advanced degree in a relevant field such as materials science, physics, or electrical engineering.
- Extensive experience in operating HRSEM) and FIB is essential.
- Strong expertise in sample preparation techniques, imaging, analysis, and data interpretation.
- Proficiency in related software tools and UI
- Excellent problem-solving skills and the ability to troubleshoot and resolve technical issues.
- Effective communication and interpersonal skills to collaborate with diverse teams, provide technical guidance and provide industrial services

How to Apply:

If you are passionate about this opportunity, please submit your CV, a cover letter detailing your relevant experience, and any supporting documents to ortalta@tauex.tau.ac.il

Join us at Tel Aviv University New Nanotechnology Center and be part of the groundbreaking team shaping the future!