

Staff scientist at the Weizmann Institute of Science

MicroCT -- interdisciplinary X-ray microscopist

About the position

The MicroCT laboratory is seeking a candidate interested in multidisciplinary research to fill a staff scientist position at the Weizmann Institute of Science. A successful candidate will head the microCT laboratory and contribute to cutting-edge research at the Weizmann Institute of Science, outreach, and further development of the laboratory's capabilities.

The MicroCT laboratory of Electron Microscopy Unit is a leading X-ray imaging facility in Israel with three state-of-the-art X-ray microtomography systems from ZEISS/Xradia and RX Solutions. The MicroCT laboratory participates in cutting-edge multidisciplinary research ranging from materials science and engineering to biomineralization and biochemistry. The lab has a long record of scientific publications in top-tier journals.

Key responsibilities

- Overseeing and further developing a laboratory with three X-ray microscopes
- Supporting the local and external user community by independently conducting microCT experiments, assisting in data analysis, and training new users
- Outreach and attraction of the user community
- Contributing to the preparation of research publications
- Contributing to the development of X-ray imaging methods and data analysis

A successful candidate will need

- Interest and ability to work in a multidisciplinary research environment
- Motivation to support users and help the research community
- Excellent interpersonal skills

Preferred qualifications and experience

- A Ph.D. in biology, chemistry, or physics
- Postdoctoral experience, publication record
- Experience with imaging, preferably in the field of X-ray or electron microscopy
- Experience with image segmentation and analysis
- Experience with image analysis software, such as Avizo/Amira, ImageJ/FIJI, DragonFly, Ilastik
- Knowledge of MATLAB, Python

Contact

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