
Bioimage Analyst (100%) for Microscopy Facility

A Bioimage Analyst position is available in the Microscopy Facility at the Institute for Research in Biomedicine (IRB), Bellinzona Institutes of Science (Bios⁺), in Bellinzona, Switzerland, to develop custom, state-of-the-art image analysis solutions for our research community spanning immunology, oncology, and translational research.

Your profile

- Master or PhD in computer sciences, physics, biology, or related disciplines, or equivalent experience.
- Strong skills in Python and experience with modern computer vision and emerging AI methods relevant to bioimage analysis, including vision transformers, foundation models, large language models (LLMs), or agentic AI tools.
- A 'can-do' attitude and the ability to work independently in a heterogeneous environment with biologists, medical doctors, engineers, physicists, etc., translating between biological research questions and technical implementation.
- Experience with some of the following would be an asset: ImageJ/Fiji, napari, Cellpose, SAM-family, OME-Zarr/NGFF, QuPath, CellProfiler, Imaris, arivis Pro, Huygens, MATLAB, or Julia.

Your responsibilities

- Design, implement, and maintain custom image analysis pipelines for light and electron microscopy, including application, adaptation, or training of deep learning models.
- Train and support researchers in the use of the analysis pipelines.
- Advise researchers on experimental design for quantitative imaging, including controls, metadata standards, and statistical considerations.
- Contribute by teaching in courses on image analysis and microscopy.
- Provide hands-on training and assistance to light microscopy users, including design of feedback/smart microscopy tools.

What we offer

- A flexible role allowing transition between image analysis development and hands-on advanced light microscopy.
- A dynamic, cohesive and highly collaborative community.
- Access to modern light/electron microscopy facilities and computational infrastructure.
- Opportunities for co-authorship on high-profile collaborative projects and development of new image analysis methods.

How to apply

Please submit a single PDF containing a brief statement of interest (max. 1 page) describing your bioimage analysis experience and any microscopy practice, a full CV, and contact details for two references to diego.morone@irb.usi.ch (Manager of the Bios⁺ Microscopy Facility).

Applications will be reviewed on a rolling basis until the position is filled, starting review after January 1st. *We thank all applicants for their interest; however, only shortlisted candidates will be contacted.*