Center for Microscopy and Image Analysis

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Bioimage Analyst / Microscopist

at the Center for Microscopy and Image Analysis, University of Zurich, 80-100 %

The Center for Microscopy and Image Analysis supports more than 800 researchers at the University of Zurich with state-of-the-art microscopy imaging techniques. Approximately 40 advanced microscopes enable a broad range of imaging modalities: from lightsheet, multiphoton, high content screening, super resolution, correlative light, and electron microscopy to cryo electron microscopy. Furthermore, a virtualized computing infrastructure gives researchers access to powerful image analysis solutions.

Job Description

Imaging and data processing projects will span all scales from molecular processes and biophysical measurements to the development of entire organs and organisms.

The successful candidate will be responsible for:

- Introducing, training, and supporting users in image analysis workflows, both for light and electron microscopy
- Maintaining and developing image analysis pipelines by assisting scientific projects and collaborations
- Participating in the organization and teaching of courses
- Evaluating hardware and software solutions to support image analysis for light and electron microscopy services
- Networking with the international image analysis community
- Staying up to date with the latest developments in image analysis methods and technologies
- Support of users in light microscopy

Requirements

- Broad experience in digital image processing in open-source, deep-learning as well as commercial image analysis framework (FiJi, Qupath, Napari, CellProfiler, DeepImageJ, ZeroCostDL4Mic, Imaris, Amira)
- Experience on high-level programming and scripting languages is required (MATLAB, C++, Python will be considered an advantage)
- Prior experience in microscopy and biomedical imaging of multidimensional image datasets is preferred
- Positive, open-minded person with good interpersonal skills and a problem-solving mindset who is motivated to support and train users
- A PhD in biology, bioinformatics, computer science, or a related field is required, post doc experience is an advantage
- Language requirements: English

What we offer

We offer the opportunity to work in a collaborative team in a vibrant scientific environment with innovative microscopy and imaging techniques. The position is a 4-year position with the possibility for permanent employment. Salary and other terms and conditions of appointment are set according to the University of Zurich's general classification guidelines for academic positions. Career progression and permanent position is based on performance.

The closing date for applications is June 30, 2022. The starting day of employment is as soon as possible, preferably not later than 01.01.2023.

Please send your application as one PDF to michaela.cooper@uzh.ch