UNIVERSITÄT BERN

Together with the Scientific IT Support (scits.unibe.ch) of the Faculty of Science, the Microscopy Imaging Center (mic.unibe.ch) of the University of Bern opens a position for an

Image Analysis Expert for Microscopy (80-100%)

Tasks

- Optimise and deploy image and data analysis pipelines for current and new instruments at the Microscopy Imaging Center (MIC)
- Support MIC users with image processing and analysis challenges
- Support design of IT infrastructure (hardware and software) for new MIC instruments
- Organise and implement MIC trainings on image processing, IT infrastructure usage and application software
- Participate in MIC related research and development projects

Qualifications

- PhD or equivalent in relevant discipline (bioinformatics, bioimaging, biomedical engineering, computer science, physics, applied mathematics biology etc)
- Recognised experience in applying and/or developing image analysis tools with Fiji/ImageJ, Icy, Imaris, CellProfiler, MATLAB, Java or Python
- Outstanding programming and data analysis skills (Python/R, C/C++, GPGPU, deep neural networks)
- Microscopy/bioimaging experience and familiarity with biological data is an asset, interest in this field is pre-requisite
- Experience with real-time systems and system administration is an asset
- Strong team player with service-oriented work style and excellent English communication skills (German is an asset

Conditions

- Salary according to qualifications and cantonal regulations
- Begin 2018-05-01 or by agreement
- Two years with possible extension

The Microscopy Imaging Center at the University of Bern (MIC) is the interdepartmental platform for high-end microscopy. MIC provides access to state-ofthe-art imaging techniques for researchers from 12 institutes of 3 departments of the University of Bern as well as for external visitors. It collaborates closely with the Science IT Support (ScITS) unit from the Faculty of Science. The successful candidate will be embedded in the ScITS team which maintains university-wide, national and international knowledge networks and is associated with the Mathematical Institute. The ScITS working atmosphere is academic, responsive and cooperative. The office location is next to the Bern central railway station. The successful candidate will be member of the MIC commission. Questions regarding the position can be directed to the ScITS coordinator Dr. Sigve Haug or the MIC coordinator Dr. Ruth Lyck (sigve.haug@math.unibe.ch, ruth.lyck@tki.unibe.ch). Women are encouraged to apply.

Please send your full application with transcripts of diplomas, CV, two references, relevant publications and motivation letter as a single PDF to sigve.haug@math.unibe.ch until March 26, 2018.

Universität Bern, Mathematisches Institut, Sidlerstrasse 5, 3012 Bern
sigve.haug@math.unibe.ch, www.unibe.ch

Apply