



Medizinische Fakultät

The Faculty of Medicine at the University of Zurich invites applications for an

Assistant Professorship in Computational Pathology

Computational pathology encompasses quantitative measurement of histological images, mathematical modeling, and the development of algorithms for machine learning, leading to enhanced interpretation of disease processes. The integration of genetic and clinical information with morphometric tissue analysis allows a higher level of understanding of, for example, tumor pathology. The Department of Pathology and Molecular Pathology of the University Hospital Zurich will facilitate novel research and development in digital pathology and algorithmic computational pathology for clinical cancer research. It has a massive archive of glass slides and pathology information. The Assistant Professor will be responsible for leading and developing programs in computational pathology, using machine learning, or to build decision-support systems that use deep learning and artificial intelligence. One major goal is the implementation of a digital pathology workflow in the Department of Pathology and Molecular Pathology. Digital imaging and computational pathology provide a key component to precision medicine. The Assistant Professor will work in close connection to the newly established Professorships of Medical Informatics at the University of Zurich and ETH Zurich.

The position is limited to six years (3+3). It is hosted at the Department of Pathology and Molecular Pathology of the University Hospital Zurich and will be associated with the Institute of Quantitative Biomedicine of the University of Zurich.

We are looking for a young and dynamic personality at an early stage in his/her academic career, flexible and willing to contribute to the transition of pathology from a qualitative to a quantitative discipline. The following qualifications should be met:

- a recognized research profile
- a promising track record in areas that include digital and computational pathology, pathology informatics preferably with a focus on human disease, documented by publications in top tier journals and presentations at international meetings
- strong interest for interdisciplinary networking with translational research prospects
- teaching experience with undergraduate or graduate students
- knowledge of the German language is not mandatory; however, the successful candidate is expected to acquire some proficiency in German over time

The University of Zurich is an equal opportunity employer.

Please hand in your application for this position at <https://www.recruiting.med.uzh.ch/position/14417922> by January 30st 2018. Applications by mail or e-mail cannot be considered. For additional information, please contact the president of the search committee, Prof. Dr. Jean-Marc Fritschy, mail: jean-marc.fritschy@dekmed.uzh.ch; phone: +41 44 634 10 71