



University of Zurich



European
Research
Council



Postdoc Position in Quantitative Cell Biology of Genome Integrity Research

University of Zurich, Switzerland

Applications are invited for a postdoc position to study cellular responses to genotoxic stress and DNA damage in the Altmeyer lab, University of Zurich, Switzerland

Starting date: Immediately or upon agreement. Applications will be considered on a rolling basis.

Research Description: Research in the Altmeyer lab aims at elucidating mechanisms how mammalian cells protect their genome from attrition and instability. When cells experience replication stress or DNA damage they activate a sophisticated molecular signaling network to shield genomic lesions, promote appropriate repair reactions, and coordinate restoration of genome integrity with cell cycle progression. In order to study these processes and their dynamics, we employ quantitative high-content single cell and cell population imaging in conjunction with gene perturbation screens, CRISPR/Cas9-mediated gene targeting, live cell microscopy, targeted proteomics, and molecular biology and biochemistry. Projects are at the intersection of the DNA damage and replication stress response, chromatin and protein dynamics, and nuclear organisation by liquid-liquid phase separation (see also Teloni et al. *Mol Cell*. 2019, Michelena et al. *Nature Comm*. 2018; Pellegrino et al. *Cell Reports*. 2017; Altmeyer et al. *Nature Comm*. 2015).

Qualifications: Candidates should hold or expect to be awarded a Ph.D. or equivalent degree in natural or biomedical sciences. Applicants should have a strong scientific track record with at least one publication as first author in a peer reviewed journal. Prior experience with mammalian cell culture and standard molecular biology techniques is expected. A background in chromatin biology, genome stability maintenance, DNA replication, or intracellular phase separation is a plus. The successful candidate will have excellent communication and writing skills, a curiosity-driven attitude, a high level of motivation, and demonstrate enthusiasm, flexibility and independence.

Work environment: Our department with its research focus on chromatin biology, intracellular signaling, epigenetic regulation, and genome integrity maintenance is integrated into the natural sciences campus of the University of Zurich, the biggest University in Switzerland and one of Europe's leading research centers. On-site core facilities offer easy access to state-of-the-art technologies in genomics, transcriptomics, epigenomics, proteomics, cytometry and advanced microscopy. The successful candidate will join a young and dynamic international team of dedicated scientists and benefit from a highly collaborative research atmosphere. Career development and a competitive salary plus social benefits will be offered.

Applications: Interested candidates should send their CV, names and contact details of 2 references, and a motivation letter containing a brief description of their scientific background and research interests to matthias.altmeyer@uzh.ch. Candidates considered further will be contacted by e-mail.



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