



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 postdoctoral research position to study cellular responses to genotoxic stress in the Altmeyer lab, University of Zurich, Switzerland**

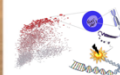
**Starting date:** Immediately or upon agreement. Applications will be considered on a rolling basis.

**Research Description:** Our work 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 better understand these processes and their dynamics at the cellular level, our group employs quantitative 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 will be at the intersection of genome integrity maintenance, nuclear architecture, biomolecular condensates, and chromosome dynamics.

**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 high quality, peer reviewed international research journal. Prior experience with mammalian cell culture and standard molecular biology techniques is expected. A background in chromatin biology, genome stability maintenance, DNA replication, protein dynamics, 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, signaling, epigenetic regulation, and DNA damage responses 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:** For further information and a list of recent publications please visit our website: [www.altmeyerlab.org](http://www.altmeyerlab.org). 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](mailto:matthias.altmeyer@uzh.ch). Selected candidates to be considered further will be contacted by e-mail.



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