



University of Zurich



European
Research
Council



Postdoc Position in Genome Integrity Research

University of Zurich, Switzerland

Applications are invited for a fully funded postdoctoral research position in the Altmeyer lab at the Department of Molecular Mechanisms of Disease, University of Zurich, Switzerland

Starting date: Immediately or upon agreement in summer/fall 2018.

Project Description: Our work aims at elucidating mechanisms how mammalian cells protect their genome from attrition and instability. When cells experience DNA breaks they activate a sophisticated molecular signaling network, the DNA damage response (DDR), 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 molecular level, our group employs automated high-content microscopy in conjunction with targeted gene perturbation screens, proteomics, CRISPR/Cas9-mediated gene targeting, molecular biology and biochemistry. The project will be at the intersection of genome integrity maintenance, nuclear architecture, and protein and chromosome dynamics, and is well connected to several other ongoing projects in the lab.

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 required. A background in chromatin biology, genome stability maintenance, DNA replication, or protein dynamics and intracellular phase separation is an advantage. 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 imaging. 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. 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. Selected candidates to be considered further will be contacted by e-mail.



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