



## Cell Biologist (Postdoctoral Associate or Senior Scientist)

The groups of Prof. A. Caflisch (Department of Biochemistry) and Prof. C. Nevado (Department of Chemistry) at the University of Zurich are seeking an experienced cell biologist (possibly with pharmacology interests/exposure) to support their successful program on drug discovery. Structure-based and fragment-based drug discovery methods have been exploited to develop new anticancer therapeutics, targeting enzymes, protein-protein and protein-nucleic acid interactions relevant in the epigenetic signalling. The successful candidate will join a highly interdisciplinary team involving computational scientists, biochemists, structural biologists and medicinal chemists to work on a number of projects related to haematological and solid tumours.

*The duties involve (but are not limited to):*

- Responsibility for running the cell biology laboratory
- Training and supervision of junior group members in performing tissue culture experiments
- Independent design of experiments to evaluate the cellular target engagement and biological effect of small molecules
- Characterization of compounds originating from medicinal chemistry program
- Proof of principle studies for target selection and validation
- Possibility to perform animal studies (in house through collaboration or outsourced)

*The techniques will include:*

- Basic molecular biology techniques, including DNA manipulations and cell culture
- Cytotoxicity and viability assays, also in HTS format
- Cellular target engagement assays, including nano-BRET, FRAP and CETSA
- Gene expression and protein level analysis through e.g. Western Blotting, qPCR, transcriptomic or proteomic approaches (using resources available at Functional Genomics Centre Zürich)
- Gene knockouts using CRISPR/Cas9 technology
- Advanced microscopy techniques
- Work with mice (e.g. xenograft models)

We seek an enthusiastic individual with the ability to work both highly independent as well as in a team. In addition to relevant experience in cell biology (obtained during PhD and/or postdoctoral studies) the candidate should have excellent project management and communication skills, as well as be fluent in English. We offer a joint appointment between the two laboratories (in the rank of postdoctoral researcher or a Senior Research Associate, depending on the experience of the candidate) with the good dose of responsibility and long-term employment perspective.

Our well-funded drug discovery research program combines inspiring international research environment with access to state-of-the-art scientific infrastructure. Our alumni value their comprehensive training: approximately 30% of them take a tenure track group leader or Assistant Professorship position, with vast majority of the rest finding employment in pharmaceutical or biotech industry. We are an inclusive work environment which values openness and diversity among our co-workers, and offer flexible employment conditions with competitive salaries.

Starting date: as soon as possible.

### Applications

Applications of strongly motivated candidates containing a cover letter, research summary of past accomplishments, CV (résumé), and 1 letter of support (or the names and contact details of 2 referees) should be sent per email to:

[sinergia.brd@chem.uzh.ch](mailto:sinergia.brd@chem.uzh.ch)

In the email title, please mention specifically this position: "Cell Biologist".