Postdoctoral Position in Cell and Molecular Biology
University of Toronto

Are you interested in drug discovery and the translation of biological knowledge? Want to work in a diverse, fast-paced, multidisciplinary environment that brings together drug design, structural biology, protein function, cell biology, and disease mechanisms?

Structural Genomics Consortium seeks an ambitious and scientifically-creative cell and molecular biologist to work in an highly collaborative environment with both academic and industry partners. The successful candidate will be involved in the discovery and validation of chemical probes (small molecule drug-like inhibitors) that target epigenetic regulatory proteins and ubiquitin-mediated signaling pathways. Utilizing both cell and molecular biology, the research focus on the functional and mechanistic characterization of probe-targeted proteins and their involvement in cell biology and disease.

Qualifications:

- Strong experimental skills in: molecular biology, protein, RNA and DNA analysis.
- Experience in imaging, bioinformatics, and/or proteomic/(epi)genomic analyses.
- Experience in cell culture, phenotypic screening and cancer cell biology.
- Experience working in multidisciplinary environment.
- Strong organizational, team and communication skills.
- PhD obtained within the last 5 years.

Interested candidates please send CV and cover letter to d.barsyte@utoronto.ca

Recent selected publications relating to the project:

- Scheer S et al A Chemical Biology Toolbox to Study Protein Methyltransferases and Epigenetic Signaling. ***Nature Communications*** 2018 accepted
- Bromberg K et al. The novel SUV4-20 inhibitor A-196 verifies a role for epigenetics in the maintenance of genomic integrity***. Nature Chemical Biology,*** 13:317-324 (2017)
- He Y et al. Targeting the PRC2 complex through a novel protein-protein interaction inhibitor of EED, ***Nature Chemical Biology***, 13:389-395 (2017)
- Grebien F et al. Pharmacological targeting of the Wdr5-MLL interaction in C/EBPα N-terminal leukemia. ***Nature Chemical Biology***, 11:571-8 (2015)

The SGC is a not for profit, public-private partnership working with academia and nine pharmaceutical companies to carry out open access science relevant to human health and drug discovery.
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The University of Toronto and its affiliated hospital research institutes comprise one of the largest and most productive centers of biomedical research in North America. Located in vibrant downtown Toronto, the University provides an outstanding opportunity for scientific research, and career development.