



Drug Screening Technician (TERM)
High-throughput zebrafish screens – KRAUSE LAB

Positions Available: 1

Location: Toronto, Ontario, Canada

Posted: August 10, 2016

Application Due: September 18, 2016

Position Description:

Under general supervision, the incumbent will work in a laboratory group to conduct research primarily on high-throughput drug screens using zebrafish. Key responsibilities include: zebrafish transgenic line production; maintaining and reproducing chemical libraries; high-throughput screening in microtiter plates, protein purifications, and small molecule identification by mass spectrometry; maintaining research records of testing and results; conducting general lab maintenance; ordering and stocking general lab supplies; providing technical guidance to students and postdoctoral fellows; conducting routine analysis of computational and statistical data; and summarizing data for the PI in preparation of publications and presentations.

The position requires a Bachelor of Science (B.Sc.) degree in Biochemistry or equivalent combination of education and experience and a minimum of two (2) years of relevant experience in molecular biology, mass spectrometry, protein and small molecule chemistry.

Required skills:

- Demonstrated experience with chemical library production, handling and dispensing drug screening and evaluation using both cell and vertebrate animal models;
- Gene manipulation of DNA via PCR and CRISPR, electrophoresis, cloning;
- Animal drug trials, purifying recombinant proteins from complex tissues, Western blotting, and *in vitro* assays;
- Demonstrated experience using imaging techniques such as confocal microscopy with knowledge of vertebrate embryo and adult anatomy;
- Cell sorting by FACs and small molecule identification using mass spectrometry;
- Troubleshooting new and problematic approaches, conducting data analysis and interpretation, as well as experience presenting data and results to both internal and external audiences;
- Excellent communication skills (verbal and written), as well as experience using computer relevant software (e.g. Microsoft and Adobe suites, routine statistical analyses).

Other:

Experience contributing to a dynamic team environment; ability to work under pressure, with scientific deadlines; ability to work with a diverse group of colleagues; experience maintaining and purchasing shared laboratory spaces and equipment, including tissue culture, high throughput robotics, FPLC machines, gel imagers, etc.; demonstrated commitment to research; excellent time management, organizational, and multi-tasking skills; and ability to exercise sound judgement.

Travel: Limited

Notes: This term opportunity is for the duration of two years.

Employee Group: United Steelworkers (USW)

Appointment Type: Grant - Term

Schedule: Full-time

Pay Scale Group and Hiring Rate: USW Pay Band 09 -- \$53,823 with an annual step progression to a maximum of \$68,831. Pay scale and job class assignment is subject to determination pursuant to the Job Evaluation/Pay Equity Maintenance Protocol.

Percentage of FTE: 100

Please send curriculum vitae via the University of Toronto's external opportunities link:

<https://utoronto.taleo.net/careersection/10000/jobdetail.ftl?job=1601089>

We appreciate your interest; however, only those applicants selected for an interview will be contacted.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

As part of your application, you will be asked to complete a brief Diversity Survey. This survey is voluntary. Any information directly related to you is confidential and cannot be accessed by search committees or human resources staff. Results will be aggregated for institutional planning purposes. For more information, please see <http://uoft.me/UP>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.