

The Vocadlo research group is seeking a Research Technician, to join our team located in the Department of Molecular Biology and Biochemistry and the Department of Chemistry at Simon Fraser University.

Our interdisciplinary team comprises both biologists and chemists that focus on addressing fundamental questions relating to the roles of carbohydrate processing enzymes in human health and disease. We use a range of methods from biochemistry to cell biology and leverage expertise in chemical biology to create and exploit new research tools.

The successful applicant(s) will work as part of this well-funded and collegial team with a principal role being to assist in research efforts into the roles of enzymes genetically or pharmacologically linked to diseases of the central nervous system (CNS). Prospective projects benefit from a great depth of preliminary research and involve the use of human patient iPSC-derived cell models of monogenic and polygenic CNS diseases.

The applicant(s) will be trained and guided by experts in cell and chemical biology and have access to cutting edge facilities including the fully automated Centre for High-Throughput Chemical Biology (HTCB), which supports automated cell culture and quantitative cell biology.

The successful applicant(s) will be motivated and have a demonstrated ability to work both independently and within a team. The successful applicant must have at least a B.Sc. in Cell Biology or Biochemistry and expertise in cell biology is essential. Among experimental methods to be used will be CRISPR-

Location: Simon Fraser University, Burnaby Campus
Employment Group: Research Assistant
Job Category: Research/Technical - Non Union
Classification Title: Research Asst (Cell Biology and Molecular Biology)
Business Title: Research Asst

VP/Faculty: Faculty of Science
Department: Molecular Biology and Biochemistry, Chemistry

Full/Part Time: Full-Time
Desired Start Date: ASAP

Possibility of Extension: Yes

Funding Type: Grant Funded

Available Openings: 1

Job Summary: The position will include assisting in day-to-day tasks and help with ongoing experiments in a chemical biology lab.

Organizational Status: The position will work directly to other members of the lab, including research associates, post-doctoral fellows, graduate students, senior technicians, as well as to the Principle Investigator

Work Performed: The position will be responsible for tissue culture, cell-based assay, microscope imaging, western blot, nuclear acid isolation, qPCR, gene cloning, protein expression and purification etc. The position will also require basic experimental design and an ability to analyze experimental results. Specifically, tasks will include: participating in design of experiments; procuring and producing specialized reagents; performing data analysis; maintaining records; maintaining equipment; overseeing junior technicians and students; and performing other related tasks.

Desirable Skills: CRISPR-Cas9 genome editing, iPSCs generation and culture, virus packaging, high-content imaging

Supervision Received: This position will report to the Principal Investigator and will work with a team of research associates, postdoctoral fellows, research technicians, graduate, and undergraduate students.

Supervision Given: Training of junior group members in experimental methods.

Consequence of Error/Judgement: The candidate should have good judgment regarding safe and efficient laboratory practices. Safety Training will be offered and is required for duties. Any neglect will cause delay in progressing with ongoing research which will have a negative impact on grant funding.

Qualifications: