THOMPSON RIVERS UNIVERSITY

Research Associate, Structural Biology

10 February 2020. The TRUGen Applied Genomics Laboratory led by Dr. Jonathan Van Hamme at Thompson Rivers University, is seeking a protein X-ray crystallographic Structural Biologist for a three-year Research Associate position. The ideal candidate with have experience with microbiology, biochemistry, heterologous protein production, X-ray crystallography, analytical chemistry, proteomics, and a strong interest in the degradation of environmental pollutants. The top candidate will have extensive experience in optimisation of generating diffracting crystals, data collection and structure solving. With *United States Strategic Environmental Research and Development Program (SERDP) and NSERC* Discovery Grant funds, the major research project with focus on the biochemical nature of microbial metabolism of per- and polyfluoroalkyl substances (PFAS). Other activities in the laboratory include understanding the molecular microbial ecology of PFAS-metabolizing organisms in the environment, collaborating with academic and government agencies (McGill, Université de Montréal, National Research Council of Canada) on the development of chemical-biological treatment technologies for PFAS remediation, and the application of multi-omic and advanced analytical approaches for understanding PFAS environmental fate.

The desired candidate will have a PhD in biochemistry or a related discipline, a strong track-record of peer-reviewed publications, and an interest in mentoring undergraduate and graduate researchers. Project management experience is an asset.

Responsibilities include:

1. Planning and executing experimental work in close association with the grant holders.
2. Ensuring the scholarly integrity of all research work.
3. Publishing in the peer-reviewed literature and presenting at national and international conferences.
4. Mentoring undergraduate and graduate students.

While classroom teaching is not part of the job description, opportunities can be made available if there is time and interest.

Qualifications:

1. A PhD in Biochemistry or related discipline.
2. The ability to communicate with students, professionals, and the general public.
3. A record of collaborative research, publications in peer-reviewed journals.
4. Extensive experience with lab-based biochemical techniques and protein structure-function characterization.

Conditional on final budgetary approval, salary will be $50,000 per year for three years, with full health and welfare and pension benefits. For more information, candidates are directed to the TRUFA Collective Agreement (http://trufa.ca/ca/).

Applications can be submitted here: https://tru.hua.hrsmart.com/hr/ats/Posting/view/15457.

For more information, please contact jvanhamme@tru.ca.

TRUGen
Applied Genomics Laboratory