Position: Scientist/ Postdoctoral Fellow/ Research Associate, Mass Spectrometry, DMPK/Analytical Chemist

Term: 1 Year Contract, possibility of renewal or full time position after 1 year.

Location: Mississauga, Ontario

Start date: Immediate

Deadline: Applications will be reviewed on a rolling basis; select applicants will be contacted for an interview.

How to apply: send your CV and a cover letter to Diana.Kraskouskaya@utoronto.ca

About the Gunning Group: Our group specializes in small molecule drug discovery, with projects aimed at the development of improved therapies for most aggressive cancers. Our current ~40-member team is comprised of medicinal chemists, in vitro biologists, biochemists, molecular and cell biologists and in vivo biologists. We are currently looking for an expert in mass spectrometry to support the in vitro and in vivo DMPK studies of our drug discovery programs.

Skills: An ideal candidate would be a self-motivated person with demonstrated ability to work with minimal supervision, have strong interpersonal skills and excellent problem solving skills. The candidate should have a strong scientific knowledge. Strong written and verbal communication skills are a must.

Education: a minimum of MSc in analytical chemistry, pharmacology or a related field.

Experience: min 5 Yr experience in hands-on mass spectrometry studies; Experience with DMPK studies is preferred, PhD/MSc work counts toward the experience. Experience in preparation of samples for the LC-MS/MS analysis, including sample extraction and purification from cells and biological tissues, including but not limited to blood, plasma, brain homogenates, skin biopsies. Experience in Met-ID; analysis, storage and interpretation of the LC-MS/MS data; maintenance and operation of the LC-MS/MS instrument. Experience in grant writing is an asset.

Instruments: Expertise in the operation of LC-MS/MS is mandatory. Experience operating Waters instruments is preferred.

Knowledge and training: DMPK and Met-ID experiments; pharmacology; knowledge of proteomics is an asset.

Duties: Lead projects involving mass spectrometry studies; design and perform DMPK, Met-ID and protein ID studies, procure and maintain the inventory of reagents and consumables, maintain the inventory of samples, operate and maintain LC-MS/MS, HPLC, and MS instruments, maintain and organize experimental data records, provide needed training to students and oversee their work, maintain well organized experimental and regulatory documentation, maintain the organization and cleanliness of the laboratory space, maintain and arrange for all permits required for the operation of the lab, assist in the preparation of grant applications. The candidate is expected to be driven by scientific excellency as well as cost- and process-efficiency approach in his/her day-to-day operations.