

## **TBEP Mass Spectrometry - Proteomics Research Assistant**

2018/2019 Work-Study Program

### **Available Position**

The Translational Biology and Engineering Program (TBEP) is the University of Toronto's component of the Ted Rogers Centre for Heart Research. Occupying the 14th floor of MaRS Discovery District's West Tower, TBEP brings together eight faculty members and their students from UofT Engineering, Medicine and Dentistry to advance heart research, diagnostics, and regeneration using a comprehensive approach that includes systems and developmental biology, technology innovation and clinical translation.

TBEP is seeking a qualified individual to fill one (1) Mass Spectrometry/Proteomics Research Assistant work-study position for a total of 200 hours of employment.

### **Background**

Working under the direction of the Gramolini laboratory and under the supervision of Dr Meghan McFadden, the work-study student will be responsible for the following:

### **Key Responsibilities**

- ◆ Assisting research staff in mass spectrometry sample preparation (protein quantitation assays, derivatization reactions, tryptic digestion, solid-phase extraction)
- ◆ Analyzing and summarizing MS data using Xcalibur Software, Proteome Discoverer, and Microsoft Excel
- ◆ Preparation of LC reagents (packing nano-scale LC columns, preparing mobile phases)
- ◆ Keeping accurate laboratory records and reporting data
- ◆ General lab maintenance

### **Experience Required**

The TBEP Proteomics – Mass Spectrometry Research Assistant is expected to have basic knowledge about protein chemistry, mass spectrometry, and good analytical skills. Any coursework and/or experience with LC-MS or proteomics are an asset.

Strong communication (oral and written) and interpersonal skills; ability to interact with people in a tactful, polite, and professional manner; good listening skills; strong organizational, planning and problem-solving skills; ability to work independently, take initiative and work to a deadline.

### **Hours of Work**

Work-study students will generally be required to work 10-12 hours per week. Hours are flexible, however some weeks will require the time to be on two consecutive weekdays.

### **To Apply**

Please apply via the Career Learning Network, Job ID 124780. All questions can be directed to Noah Frank, TBEP Administrator: [admin.tbep@utoronto.ca](mailto:admin.tbep@utoronto.ca)