



Faculty of Applied Science and Engineering
Postdoctoral Fellow in the area of
Microfluidic Biomanufacturing

Posting Date: July 9, 2018

One postdoctoral fellow (PDF) position is available in the laboratory of Dr. Axel Guenther at the University of Toronto to contribute to the development, validation and commercialization of new microfluidic biomanufacturing strategies.

As part of a new collaborative research initiative, our interdisciplinary team of engineers and biologists seeks a PDF that will closely collaborate with the National Research Council of Canada (NRC) and industry in developing disruptive biomanufacturing approaches. The PDF will be co-supervised by Dr. Guenther (Univ. of Toronto) and Dr. Veres (NRC).

We seek a highly motivated, results oriented scientist/engineer with research interests and ideally past experience in several of the following areas: extrusion-based 3D bioprinting; fabrication of thermoplastic microfluidic devices; tissue engineering; rheological and rheo-optical characterization of biopolymer solutions; structure-property relationships of biopolymers; and mechanical as well as (confocal, electron and atomic force) microscopic characterization of biomaterials and tissues.

The position requires the ability to work effectively in a team-oriented environment, generate impact full publications and intellectual property, contribute to research grants and progress reports, and maintain meticulous records.

Minimum Salary: \$43,000/year

Expected start date: September 1, 2018

Term: One-year term with a possible renewal

FTE: 100%

The normal hours of work are 40 hours per week for a full-time postdoctoral fellow (pro-rated for those holding a partial appointment) recognizing that the needs of the employee's research and training and the needs of the supervisor's research program may require flexibility in the performance of the employee's duties and hours of work.

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.

Qualified candidates should e-mail their curriculum vitae, statement of research interests and experience, and contact information to:

Prof. Axel Guenther

Department of Mechanical and Industrial Engineering

Institute of Biomaterials and Biomedical engineering

University of Toronto

E-mail: axel.guenther@utoronto.ca

Job Closing: August 5, 2018