

## **Three Postdoctoral Fellow positions in Environmental Science, Fertility and Nanofluidics Toronto, Canada**

### **Summary**

Professor David Sinton ([www.sintonlab.com](http://www.sintonlab.com)) is seeking three postdoctoral fellows, starting immediately. The successful candidate will focus on one of three current research areas:

**(i) Environmental Science:** The successful candidate will develop new methods to apply existing tools and develop new tools to disentangle the effects of global and local change on biota, and study interactions between multiple environmental stressors in laboratory microcosms.

**(ii) Fertility:** The successful candidate will develop new methods to (a) facilitate point-of-care infertility diagnostics and (b) enable high quality sperm selection for assisted reproductive technologies for ICSI. Work will be conducted in partnership with collaborating urologists and fertility clinics.

**(iii) Carbon/Nanofluidics:** The successful candidate will explore nanofluidic phase behaviour and fluid transport at the nano-scale, in general, and as relevant to understanding the operation and environmental impact of unconventional oil and gas operations.

Our labs are located in the Mechanical Engineering building at the Downtown Toronto Campus (St. George) at the University of Toronto. The successful candidate is expected to both lead independent research and contribute to research within a diverse multidisciplinary team by developing technologies, working with industrial and/or clinical partners and contributing to funding and commercialization efforts. Salary will be commensurate with level of experience.

### **Requirements**

Candidates must have a PhD in Engineering or a relevant field, and have a strong track-record of academic excellence.

### **Process**

Highly motivated applicants are invited to send a cover letter describing research interests, a CV, and a list of three references as a single PDF file to David Sinton ([sinton@mie.utoronto.ca](mailto:sinton@mie.utoronto.ca)). Please put 3PDF in the subject line to reference this opportunity. Evaluation of candidates will begin immediately, and continue until filled.

Employment as a Postdoctoral Fellow at the University of Toronto is covered by the terms of the CUPE 3902 Unit 5 Collective Agreement. This job is posted in accordance with the CUPE 3902 Unit 5 Collective Agreement.

*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.*