



Postdoctoral Research Fellow

Position Classification:	Postdoctoral Research Fellow
Business Title:	Postdoctoral Research Fellow – Urology
Faculty:	Faculty of Medicine
Department:	Urologic Sciences
Desired Start Date:	October 1, 2021
Duration:	1-year term with possible extension

Description:

The Department of Urologic Sciences at The University of British Columbia, Canada invites applications for a Postdoctoral Research Fellow position at the International Collaboration on Repair Discoveries (ICORD) Blusson Spinal Cord Centre, Vancouver.

The position will be primarily at the Urology Lab inside ICORD.

We are looking for a talented and highly motivated individual familiar with near infrared data collection. Education and prior experience in biomedical engineering, computer science or engineering. Knowledge and experience with optical data collection in humans at a doctoral level.

The focus of this work is the collection of novel human data involving a combination of optical technologies and urodynamics studies. We are examining the lower urinary tract and its associated functions.

The aim is to provide persons living with spinal cord injury/neurogenic bladder with a means to better identify physiologic changes that will enable them to better manage their symptoms and chronic aspects of their disease. The project involves: data collection and analysis of the relationship between optical signals derived from physiologic events with other lower urinary tract parameters.

Preference will be given to individuals who have experience working with an interdisciplinary team. It is important to know that this position will require interaction with health care professionals and will involve data collection during medical procedures. In addition, other members of the team include engineers located outside of Canada.

Reporting To: Dr. Lynn Stothers.

Qualifications:

- PhD in Science or Engineering
- Publications in the corresponding area and publications at top tier conference is required.
- Strong background in optical/computer science/electrical or biomedical engineering
- Experience in machine learning / data mining and statistics is a plus.
- Strong programming skills in at least one programming language is desirable.

- Good English language skills (your responsibilities include to write publications, support in writing reports, and presentations of a high standard at international meetings).

How to apply:

Please send your application by email to Dr. Lynn Stothers, lynn.stothers@ubc.ca (in a single file in pdf format; no links to external files; in English)

Applications should include a brief statement of interests, a curriculum vitae, copies of certificates, a copy of unofficial transcripts from past degrees, a summary/abstract of prior work and a list of publications.

A list of at least 2 references (names, contact information).

Applications will be considered as they are received and until the position is filled.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Metis, Inuit, or Indigenous person.