



Postdoctoral Fellowship – UBC /ECE / APT – BioPhotonics Design and Signal Processing

A Postdoctoral Fellowship is available in the Department of Electrical & Computer Engineering (ECE) at the University of British Columbia (UBC), Vancouver, British Columbia, Canada.

The candidate will conduct innovative research with investigators in the Departments of Electrical & Computer Engineering and Anesthesiology, Pharmacology & Therapeutics (APT) at the University of British Columbia (UBC), and Department of Anesthesia at British Columbia Children's Hospital in the field of biophotonics hardware design and signal processing with a focus on near infrared spectrometry (NIRS) and other light-through-tissue sensing technologies.

The candidate will join the Electrical and Computer Engineering in Medicine (ECEM - <http://ecem.ece.ubc.ca/>) research team. ECEM is a unique collaboration of engineers, computer scientists, psychologists and clinicians focused on performing innovative research at the interface between technology and patient care. Our vision is to enhance patient-centered care using innovation in technologies and treatments.

Qualified candidates are encouraged to apply for NSERC Canada postdoctoral scholarships, and for successful NSERC awardees, a top up may be given based on their qualifications. Fellowship funding is provided for up to 2 years.

The candidate will be an academic researcher having degrees in electrical engineering, computer engineering, or biomedical engineering with a strong background in biophotonics hardware and signal processing. Preference will be given to applicants with experience in design and development of real-time signal processing algorithms for biophotonics. The candidate will have a strong research background and demonstrated teamwork, resourcefulness, and problem solving. Experience working in the medical and/or healthcare field, and knowledge of respiratory/cardiac signals are assets.

Anticipated start date is September 1, 2015. Applications will be reviewed until the position is filled. Interested candidates should send (preferably via email) a cover letter, and curriculum vitae to:

Dr. Guy Dumont
Department of Electrical & Computer Engineering
University of British Columbia
2336 Main Mall
Vancouver, British Columbia
V6T 1Z4
Canada
guyd@ece.ubc.ca

UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority.