



Careers at UHN

Job Description

Post-doctoral Fellow, Advanced Diagnostics - Toronto, Ontario

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Job Posting #765839

Position: **Post-doctoral Fellow**

Site: MaRS Building, Toronto General Research Institute

Department: Advanced Diagnostics - Laflamme Lab

Reports to: Principal Investigator

Status: Temporary Full-time

A Postdoctoral Fellowship position is available immediately in the Laflamme Lab of the Toronto General Research Institute and the McEwen Centre for Regenerative Medicine at the University Health Network, Toronto, Canada. We are seeking an energetic, highly motivated fellow for a project investigating the electrophysiological properties of human pluripotent stem cell-derived cardiomyocyte (hPSC-CM) grafts in injured hearts.

hPSC-CMs are an attractive cell source for repairing injured hearts, but their functional immaturity and incomplete electromechanical integration raise concerns about the risk of graft-related arrhythmias. Our laboratory is using ECG telemetry and novel optical mapping strategies to study and improve the electrical behaviour of hPSC-CM grafts in preclinical models of myocardial infarction. (Please see Shiba et al. Nature 2013;489:322-5. Chong et al. Nature 2014;510:273-7.)

Qualifications

- PhD degree with a strong background in electrophysiology, cardiac cell therapies, and/or cardiovascular surgical techniques
- Advanced training in optical mapping and/or large-animal survival surgery techniques preferred
- Prior experience in human stem cell biology is preferred

If you are interested in making your contribution at UHN, please apply on-line. [You will be asked to copy and paste as well as attach your resume, covering letter and contact information for three references.](#) You will also be required to complete some initial screening questions.

Date: October 9, 2015

For current UHN employees, only those who have successfully completed their probationary period, have a good employee record along with satisfactory attendance in accordance with UHN's attendance management program, and possess all the required experience and qualifications should apply.

UHN thanks all applicants, however, only those selected for an interview will be contacted.

UHN is a respectful, caring, and inclusive workplace. We are committed to championing accessibility, diversity and equal opportunity. Requests for accommodation can be made at any stage of the recruitment process providing the applicant has met the Bona-fide requirements for the open position. Applicants need to make their requirements known when contacted.

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