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DEPARTMENT OF PHYSIOLOGY

TRANSLATIONAL BIOLOGY AND ENGINEERING PROGRAM, UNIVERSITY OF TORONTO
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Postdoctoral Fellowship Position in Cardiovascular Physiology and Proteomics

A Postdoctoral Fellowship position is available in the laboratory of Dr. Anthony Gramolini at the Department of Physiology / Translational Biology and Engineering Program (TBEP), University of Toronto.

An immediate opportunity is available for a postdoctoral scientist with skills in cardiac protein biochemistry, and application of mass spectrometry, or with a strong desire to learn these techniques. Studies are being performed in animal models, and in cellular models of human myocytes, along with biopsies from patients.

Overview: Our laboratory investigates the mechanisms of cardiac dysfunction and arrhythmias in heart failure. Experimentally, we employ protein chemistry, biochemistry, and cell biology. We have had excellent success in applying advanced mass spectrometry to identify novel proteins in the heart (Sharma et al. *Nature Communication* 2015) and to investigate cellular signaling defects (Teng et al., *PNAS* 2016; Kuzmanov et al., *PNAS* 2016) in injured myocardium. We aim to build on these programs through our Heart and Stroke Foundation- and CIHR-funded projects.

Environment: Our research group consists of several senior lab members, graduate students and support personnel. At TBEP, we are part of a well equipped, multidisciplinary group of 9 separate labs providing complementary exposure including aspects of biomedical engineering, advanced imaging, and stem cell biology.

Requirements: This individual will be expected to conduct independent research, contribute to the writing of scientific papers and attend major international conferences. Specific qualifications are a recent PhD in a related field with relevant publications.

Additional information on the laboratory (individual.utoronto.ca/gramolini), our Department (www.physiology.utoronto.ca) and Floor (<https://tedrogersresearch.ca/tbep>).

Funding for this position is available for up to 3 years, with the possibility of extension. Salary will be based on experience and subject to University of Toronto fee structure. Applicants should have a recent PhD degree and send a cover letter, CV and the names of 3 referees by email to: Anthony.gramolini@utoronto.ca. Candidates