



Western University

**Department of Physics and Astronomy *and the*
Centre for Advanced Materials and Biomaterials Research (CAMBR)**

**CAMBR Distinguished Lectureship *presently jointly with the*
PHYSICS & ASTRONOMY Colloquium**

Date: WEDNESDAY, 6 November 2019

Time: 1:30 p.m.

Location: Physics & Astronomy Seminar Room 100

Dr. Milica Radisic

Toronto General Research Institute
University of Toronto

“Biowire models of healthy and diseased myocardium”

ABSTRACT

Tissue engineering using cardiomyocytes derived from human pluripotent stem cells holds a promise to revolutionize drug discovery, but only if limitations related to cardiac chamber specification and platform versatility can be overcome. I will describe a scalable tissue-cultivation platform that is cell source agnostic and enables drug testing under electrical pacing. The plastic platform enabled on-line non-