

Theme: The Science and Technology of Interdisciplinary Collaboration

Coordinator: Dr. Brian Corrie, The IRMACS Centre & WestGrid

Date: Tuesday, October 15, 2013

Time: 3:30pm (Atlantic Time)

Room: In your local ACEnet videoconferencing facility.

Speaker: Dr. Ryan D'Arcy, Professor and BC Leadership Chair, Medical

Technologies, Faculty of Applied Sciences, Simon Fraser University

Title: Functional brain imaging data and real world health care advances: Embedding new computational tools into front-line clinical environments

About the Speaker: Professor Ryan D'Arcy obtained his Ph.D. in Neuroscience from Dalhousie University, Halifax, Nova Scotia. His research is driven by the interface between neuroscience and non-invasive biomedical imaging. The work blends basic studies of complex neural systems with clinical work that uses functional imaging to improve the treatment of brain diseases and disorders. Currently, as the Head of Health Sciences and Innovation, Dr. D'Arcy is helping Surrey Memorial Hospital develop advanced ways of treating patients with traumatic brain injuries, through a \$5.2 million research endowment.

In Professor D'Arcy's own words: "We have vital signs like blood pressure and pulse but, despite having the technology, we still haven't developed a vital sign for determining if your brain is working as it should be or if you've got a concussion. We want to create something as easy to use as a home blood pressure cuff to take a quick reading of your brain's functional status, so you know if you've got a concussion." (The Vancouver Sun, January 13, 2013)

Upcoming presentations in the series are:

November 12: Dr. Rion Dooley, Texas Advanced Computing Centre,

University of Texas, Austin November 26: Dr. Alex Mihailidis, University of Toronto

Coast to Coast Seminar Fall 2013

Live From Burnaby, BC