

NEAR INFRARED SPECTROSCOPY INNOVATIONS AND APPLICATIONS

Monday, November 9, 2009

8:45am - 12:45pm

**Peter Wall Institute for Advanced Studies
6331 Crescent Road**

Near Infrared Spectroscopy (NIRS) is an established technology that provides exciting opportunities for scientists and clinicians to monitor changes in tissue oxygenation and hemodynamics non-invasively in real time. Recent advances include new technology, additional measurement parameters and novel applications beyond skeletal muscle and the brain. We invite you to participate in this interdisciplinary workshop intended for anyone using NIRS in a research or clinical context, or who is interested in doing so. Internationally recognized leaders in NIRS will present and promote discussion, and address questions submitted in advance of the workshop as a "round table" panel.

Near Infrared Spectroscopy: Past, Present and Future

William Colier, Artinis Medical Systems, The Netherlands

Application of Near Infrared Spectroscopy to Evaluate Muscle Fatigue During Resistance Exercise

Yagesh Bhambani, Department of Occupational Therapy, University of Alberta

Muscle Blood Flow Measured by Near Infrared Spectroscopy and Indocyanine Green Dye

Rob Boushel, Department of Biomedical Sciences, University of Copenhagen

Round Table

Yagesh Bhambani, Rob Boushel, William Colier, and Andrew Macnab

While attendance is free and open, **registration is required**. To request registration and to submit questions for the round table, please e-mail Jennifer Rurak at jrurak@interchange.ubc.ca

Workshop organized by **Andrew Macnab**, Departments of Pediatrics and Urology, and 2006 Peter Wall Distinguished Scholar in Residence, and **Darlene Reid**, Department of Physical Therapy.

