



FRONTIERS IN NEUROPHOTONICS

An international summer school on advanced imaging techniques

CRULRG, Quebec - June 01-10, 2009 - Room F-1455

Talks opened to the public:

Monday 01

9AM-Daniel Côté (U. Laval): Lasers and Imaging

11AM-Richard Robitaille (U. Montreal) : Calcium imaging to study glial-neurons interactions

Tuesday 02

9AM-Robert Campbell (U. Alberta): Engineered fluorescent proteins and genetically encoded biosensors

11AM-Thomas Kuner (U. Heidelberg): Measuring intracellular Cl⁻ with *Clomeleon* indicator

Wednesday 03

9AM-Lisa Topolnik (U. Laval): Two-photon microscopy in acute brain slices

11AM-Brian Pogue (U. Dartmouth): Fluorescence Imaging of Brain Tumors combined with MR and CT

Thursday 04

9AM-Denis Boudreau (U. Laval): Principles of Fluorescence

11AM-Yasunori Hayashi (RIKEN, Japan): Fluorescence, FRET and Lifetime – Applications

Friday 05

9AM-Francisco Bezanilla (U. Chicago): Fluorescence spectroscopy reveals conformational dynamics in ion channels

11AM-Alan Fine (Dalhousie U.): Optical quantal analysis via two-photon microscopy of calcium transients

Sunday 07

9AM-Gang Zheng (Ontario Cancer Institute): Molecular beacons: smart optical probes and therapeutics

11AM-Maxime Dahan (ENS Paris): Investigating cellular events, one quantum dot a time

Monday 08

9AM-Paul de Koninck (U. Laval): Tracking proteins on the move in neurons

11AM-Daniel Côté (U. Laval): *in vivo* imaging

Tuesday 09

9AM-Yasunori Hayashi (RIKEN, Japan): Molecular mechanism of hippocampal synaptic plasticity



For more information: www.neurophotonics.ca/

