



**Bringing Together  
Advances in Neurobiology,  
Photonics and Imaging**

# FRONTIERS IN NEUROPHOTONICS

An international summer school on advanced cell imaging techniques

**QUEBEC CITY  
JUNE 4-7, 2007**

Frontiers in Neurophotonics is an opportunity to meet fellow researchers and students from around the World, learn and discuss the latest advances in live cell imaging techniques put in perspective by experimental challenges in the field of Neurosciences.

## Topics covered include:

- Overview of recent challenges in neuroscience
- Genetic tools for imaging in live cells
- Optical approaches for cellular functional imaging
- Molecular tracking in live cells
- Approaches for improved resolution
- Advances in volumetric imaging
- Nonlinear optical technologies
- Novel spectroscopy for tissue imaging in-vivo

## Speakers:

Laurent Cognet (CPMOH, Bordeaux), Daniel Côté (CRULRG, Québec), Paul De Koninck (CRULRG), Yves De Koninck (CRULRG), Stéphane Dieudonné (ENS Paris), Laurent Groc (IFM, Bordeaux), Mark Henkelman (MICE, Univ. of Toronto), George Augustine (Duke), Jérôme Mertz (Boston University), Edward Ruthazer (MNI, McGill Univ.), Peter So (MIT), Lisa Topolnik (CRULRG), Paul Wiseman (McGill Univ.)

For more information, visit [www.neurophotonics.ca](http://www.neurophotonics.ca)



Le Centre de recherche  
Université Laval - Robert-Giffard

