



PROGRAM

CANCER IMAGING WORKSHOP 2

Pre-Clinical Animal Imaging in London

Tuesday, November 21, 2006

Best Western Stoneridge Inn & Conference Centre Somerset Ballroom

6675 Burtwistle Lane, London, ON N6L 1H5
519-652-6022 www.stoneridgeinn.com

- 08:00 Continental Breakfast
- 08:30 - 08:45 **Introduction and Welcome**
- Welcome and Aims for the Workshop (15 min)
Ann Chambers, Director, Pamela Greenaway-Kohlmeier Translational Breast Cancer Research Unit, LRCP
- 08:45 - 10:30 **Cellular and Molecular Biology of Cancer: Research Questions**
1. Angiogenesis / Blood Flow (30 min / 5 min questions)
Ian MacDonald, Associate Professor, Depts Medical Biophysics & Oncology, UWO
 2. Metastasis and tumour growth (30 min / 5 min questions)
Ann Chambers, Director, Pamela Greenaway-Kohlmeier Translational Breast Cancer Research Unit, LRCP
 3. Monitoring response to therapy (30 min each / 5 min questions)
Jim Koropatnick, Director, Cancer Research Laboratory Program, LRCP
- 10:30 –10:45 **Break**
- 10:45 – 12:30
4. Cancer Markers (30 min / 5 min questions)
 - Hyaluronan as a potential target for tumour cells
Eva Turley, Scientist, Cancer Research Laboratory Program, LRCP
 - Probe development
Len Luyt, Scientist, Cancer Research Laboratory Program, LRCP
 5. Functional tumour biology / apoptosis (30 min / 5 min questions)
Tarik Belhocine, Fellow, Nuclear Medicine, St. Joseph's Health Care
 6. Role of cancer stem cells in solid tumours (30 min / 5 min questions)
Alison Allan, Scientist, Cancer Research Laboratory Program, LRCP

12:30 – 14:00 **Lunch and “Speed-Dating” Session**

Imagers & probe developers will rotate between 6 biology stations to discuss how their imaging modality or techniques might help address biological questions.

14:00- 14:30 **Molecular Imaging: A Symphony of Science**

An illustration of a variety of imaging approaches (MRI, SPECT/CT, PET) used to visualize molecular events *in vivo*. All of the work presented is multidisciplinary, orchestrated by molecular biologists, chemists and imaging physicists, and culminating in a "symphony" of science.

*Savita Dhanvantari, Scientist, Metabolism and Diabetes and Imaging Programs,
Lawson Health Research Institute*

14:30 – 15:00 **Industry Perspective**

Symbiosis: Collaboration between basic research and industry in pre-clinical imaging

*Paul Picot, Advanced Applications Manager and Chief Scientist, GE Healthcare
Pre-Clinical Imaging, London, Ontario*

15:00 – 15:30 **Operational Issues and Logistics**

Animal Transport: update on development of prototype device (30 min)

David Holdsworth, Scientist, Imaging Research Laboratories, RRI

15:30 **Wrap Up**

Where do we go next?

*Ann Chambers, Director, Pamela Greenaway-Kohlmeier Translational Breast
Cancer Research Unit, LRCP*