

PROGRAM

CANCER IMAGING WORKSHOP 3

“Pre-Clinical Cancer Imaging / MRI”

Tuesday, November 20, 2007

Best Western Lamplighter Inn, Regency A
591 Wellington Road S., London, Ontario
Tel: (519) 681-7151

- 08:30 **Continental Breakfast (in the Atrium)**
- 09:00 - 09:40 Use of MRI to study brain metastases of breast cancer
Ann Chambers, Director, Pamela Greenaway-Kohlmeier Translational Breast Cancer Research Unit, LRCP
- 09:40 - 10:20 Cancer MRI in Preclinical Models: An Overview of the Field
Paula Foster, Scientist, Imaging Research Laboratories, RRI
- 10:20 – 11:00 Surface functionalization of superparamagnetic iron oxide for enhanced cell uptake and targeting
Beth Gillies, Scientist, Chemistry, UWO
- 11:00 –11:20 **Break**
- 11:20 – 12:00 Physiological monitoring and detection of tumours by MRI using PARACEST contrast agents
Rob Bartha, Scientist, Imaging Research Laboratories, RRI
- 12:00 – 13:00 **Lunch (in the Atrium)**
- 13:00 – 13:40 Quantitation and Limits of Detection in Cellular and Molecular MRI
Brian Rutt, Scientist, Imaging Research Laboratories, RRI
- 13:40 – 14:20 A reporter gene system for MRI: magnetosome gene expression in mammalian cells
Donna Goldhawk, Research Associate, Imaging Division, LHRI
- Student Presentations**
- 14:20 - 14:35 Imaging Cancer Cells at 3 Tesla
Soha Ramadan, Paula Foster’s Laboratory
- 14:35 – 14:50 Cellular MRI of Glioma
Lisa Bernas, Brian Rutt’s Laboratory
- 14:50 – 15:00 **Break**

- 15:00 – 15:15 Imaging Cancer Vaccines: Tracking Dendritic Cells
Jon Snir, Paula Foster's Laboratory
- 15:15 – 15:30 Using MRI to determine the effect of treatment on experimental liver metastasis
Jason Townson, Ann Chambers' Laboratory
- 15:30 – 15:45 Imaging Melanoma Metastasis in Mouse Lymph Nodes
Tracey Lui, Paula Foster's Laboratory
- 15:45 **Wrap Up**
Paula Foster, Scientist, Imaging Research Laboratories, RRI
Ann Chambers, Director, Pamela Greenaway-Kohlmeier Translational Breast Cancer Research
Unit, LRCP