

MOLECULAR & CLINICAL RADIOBIOLOGY WORKSHOP

MCRW 2017

Preliminary Agenda (accreditation pending, 12 CME)

Monday, May 15, 2017

8:00-8:30	Registration Desk opened <i>Arrival – Continental Breakfast</i>
8:30-9:15	Welcome/Workshop Overview Integrating the Hallmarks of Cancer to Radiation Biology. <i>Dr. Siham Sabri, McGill University</i>
9:15-10:00	Radiation-induced DNA damage and repair. <i>Dr. Michael Weinfeld, University of Alberta</i>
10:00-10:15	<i>Break</i>
10:15-11:00	Molecular pathways underlying radiation therapy-induced cell fate decisions. <i>Dr. Francis Rodier, Université de Montreal</i>
11:00-11:45	Microenvironmental constituents of radiotherapy response. <i>Dr. Janusz Rak, McGill University</i>
	Questions period
12:00-13:30	<i>Lunch</i>
13:30-14:15	Tutorial Session: <i>Dr. Jose Mansure, RI MUHC, McGill University: Clonogenic cell survival assay</i> <i>Zhor Senhaji, RI MUHC, McGill University: Comet Assay</i>
14:15-15:00	Normal tissues tolerance. <i>Dr. Philip Wong, Université de Montreal</i>
15:00-15:15	<i>Break</i>
15:15-16:00	Radiobiology of Time-dose fractionation; Alternative fractionation schedules in radiotherapy. <i>Dr. George Shenouda, McGill University</i>
16:00-16:45	Clinical and biological Insights into Stereotactic ablative radiotherapy. <i>Dr. Bassam Abdulkarim, McGill University</i>
16:45-17:30	Combined Radiotherapy and Chemotherapy. <i>Dr. Theodoros Tsakiridis, McMaster University</i>

Tuesday, May 16, 2017

8:30-9:00 *Continental Breakfast*

Session I: Radiation-induced DNA damage and Repair: Targets and Biomarkers

9:00-9:45 Tidying up loose ends: The role of polynucleotide kinase/phosphatase in DNA repair and its potential as a therapeutic target.
Dr. Michael Weinfeld, University of Alberta

9:45-10:30 Probing senescence and DNA damage response pathways as functional cancer biomarkers.
Dr. Francis Rodier, Université de Montréal

10:30-10:45 *Break*

Session II: Combined Radiotherapy and Targeted Therapies

10:45-11:30 Radiosensitizing effects of targeted therapies.
Dr. Bertrand Jean-Claude, McGill University

11:30-12:15 Targeting mitochondria metabolism for radio-sensitization of epithelial tumours.
Dr. Theodoros Tsakiridis, McMaster University

12:15-13:15 ***Session III: Selected oral presentation abstracts***

13:15-14:15 *Lunch*

Session IV: Combined Radiotherapy and Immunotherapy

14:15-15:00 Radiation and Immunotherapy - Opportunities and Challenges.
Dr. Renate Parry, Varian Medical Systems, USA

15:00-15:45 Immunotherapy: Next Steps.
Dr. Michael Lim, Johns Hopkins University School of Medicine, USA

15:45-16:30 Controlling the controllers: the complexity of the anti-tumour immune response.
Dr Réjean Lapointe, Institut du Cancer de Montréal, Université de Montréal

16:30-17:00 ***Oral Presentation MCRW Award***
Closing Remarks: Dr. Siham Sabri, McGill University