**MPU SEMINAR SERIES : 2011-2012**

**Fall 2011**

**September 2: Gustavo Kertzscher** (Ottawa General Hospital, Ottawa, ON)  
*Identifying afterloader brachytherapy errors using real-time fiber-coupled luminescence dosimetry: A phantom study*

**September 16: Ali Sedeghi-Naini** (University of Western Ontario, London, ON)  
*Modelling lung tissue motions and deformations for more accurate tumor ablative procedures*

**September 30 : Emily Heath** (Ryerson University, Toronto, ON)  
*Quantifying and compensating for uncertainties in 4D radiotherapy of lung cancer*

**October 21 : Luis Souhami** (Radiation Oncology, McGill U, Montreal, QC)  
*History of radiosurgery in Canada*

**October 28 : Pier-Yves Trépanier** (Université de Montréal, Montreal, QC)  
*Predicting the location of GBM recurrence after radiotherapy using patient-specific DTI and numerical modelling*

**November 18 : Ernesto Mainegra-Hing** (National Research Council of Canada, Ottawa, ON)  
*Monte Carlo based CBCT scatter corrections*

**Winter 2011-2012**

**January 13 : Richard B. Richardson** (AECL Laboratories, Chalk River, ON)  
*The hazards and etiological role of ionizing radiation (& infection) in childhood leukemia*

**January 20 : Sonia Callejo** (Ophthalmology, McGill University Health Centre, Montreal, QC)  
*Radiotherapy for ocular tumors*

**February 09 : Jan Seuntjens** (Medical Physics Unit, McGill University, Montreal, QC)  
*Current developments in clinical reference dosimetry protocols*

**March 16 : Various presentors** (McGill University / McGill University Health Centre / Montreal Neurological Institute / Jewish General Hospital, Montreal, QC)  
*Project presentations to M.Sc. students*

**March 23 : Jean-Pierre Bissonnette** (Princess Margaret Hospital, Toronto, ON)  
*Imaging applications for lung cancer radiation therapy*

**April 05 : Séverine Rossmome & Stefaan Vynckier** (Université Catholique de Louvain, Belgium)  
*Development and characterization of calorimeters for primary dosimetry in hadron-therapy*

**April 13 : Hugo Bouchard** (Radiation Oncology, Hôpital Notre-Dame, Montreal, QC)  
*Theoretical considerations in radiation dosimetry*

**June 19 : B. Gino Fallone** (Medical Physics, University of Alberta, Edmonton, AB)  
*Development and dosimetry advantages of the biplanar linac-MR for real-time MR-guided radiotherapy*