

Session Program

12-17 Jun 2016



2016 CAP Congress / Congrès de l'ACP 2016

***W1-4 Radiation Therapy (DPMB-DNP) /
Thérapie par rayonnement (DPMB-DPN)***

University of Ottawa
SITE Building, 800 King Edward Ave, Ottawa, ON

Wednesday 15 June

08:30

W1-4 Radiation Therapy (DPMB-DNP) / Thérapie par rayonnement (DPMB-DPN)

Session | **Location:** University of Ottawa, Colonel By B012 | **Convener:** Melanie Martin

08:30–09:00

The role of advanced dose calculation methods in modern brachytherapy techniques

Speaker

Luc Beaulieu

09:00–09:15

Comparison of quantum and classical trajectory Monte Carlo simulations of low energy electron transport in water and biological tissues

Speaker

Prof. Rowan Thomson

09:15–09:30

Characterization of radioresistance in human ovarian cancer cells

Speaker

Mr Hamid Moradi

09:30–09:45

Energy-cascaded Upconversion Nanoparticles for 800 nm Activated Photodynamic Therapy

Speaker

Mr Yang Hu

09:45–10:00

Inductively coupled plasma mass spectrometry of photocorroding GaAs/AlGaAs nano-heterostructures in aqueous environments

Speaker

Mohammad Reza Azizian

10:00–10:15

Electron-Transfer-Based Combination Therapy of Cisplatin with a Molecular Promoter for Cancer Treatment

Speaker

Qinrong Zhang

10:15–10:30

Red Blood Cell Ghosts for biomedical applications: Blood on a Chip

Speaker

Sebastian Himbert

10:30