

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***(DPMB) T1-3 Chemical physics in biology and
medicine | Physique chimique en biologie et
en médecine (DPMB)***

Western University

Tuesday 28 May

10:30

(DPMB) T1-3 Chemical physics in biology and medicine | Physique chimique en biologie et en médecine (DPMB)

Session | **Location:** Social Science Centre, Western U., SSC Rm 2024 (cap. 137)

10:30-10:45

(G*) Solubilization of Hydrophobic Astaxanthin in Water by Physical Association with Phytoglycogen Nanoparticles

Speaker

Nicholas van Heijst

10:45-11:00

(G*) Real-time behavior of radiochromic materials in standard proton and photon, and electron FLASH beams

Speaker

Rohith Kaiyum

11:00-11:15

(G*) Harnessing Electrochemistry with Surface-Enhanced Raman Spectroscopy for the Analysis of Hemoglobin Defects on Plasmonic Nanostructured Films

Speaker

Janani Balasubramanian

11:15-11:30

(G*) Non-invasive optical monitoring of peripheral and cerebral vasomotion in early sepsis

Speaker

Rasa Eskandari

11:30-11:45

(G*) Low-Frequency Oscillations in Cerebral Microvascular Perfusion, Oxygenation, and Metabolism in Mild-Cognitive Impairment Patients

Speaker

Farah Kamar

11:45-12:00

(G*) Development of a Non-Contact Experimental Platform for Quantitative Migration and Electrotaxis Analysis of Biological Cells

Speaker

Mr Nicholas Palmerley

12:00