

Session Program

6-11 Jun 2021



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021

M4-2 MR and PET Imaging - Part 2 (DPMB) / Imagerie RM et TEP - Partie 2 (DPMB)

Underline Conference System

Monday 7 June

16:45

M4-2 MR and PET Imaging - Part 2 (DPMB) / Imagerie RM et TEP - Partie 2 (DPMB)

Session | Location: Underline Conference System | Convener: Emily Heath

16:45-16:50

(G*) Multi-modal PET-MR imaging of the selective activation of serotonergic neurons in living rodent brains with DREADD technology

Speaker

Jarrad Perron

16:50-16:55

(G*) Measuring calcium isotopic composition in the body to understand metabolic processes.

Speaker

Dorothy Walls

16:55-17:00

(G*) Simultaneous Hyperpolarized ^{129}Xe MRI and ^{15}O water PET Multi-Modal Imaging: A Proof of Concept Study

Speaker

Ramanpreet Sembhi

17:00-17:05

(G*) On the rationale for a standardized pre-clinical segmentation technique in PET pharmacokinetic

Speaker

Philippe Laporte

17:05-17:10

(G*) Magnetic Resonance Imaging Data Acquisition Acceleration and Feature Detection with Dictionary Learning

Speaker

Mr Mark Armstrong

17:10-17:15

(G*) Magnetic Resonance Relaxometry with Neural Networks

Speaker

Mr Tristhal Parasram

17:15-17:20

Prediction of Alzheimer's Disease Based on Multi-Attentional Mechanisms using Brain PET Image

Speaker

Yonglin Chen

17:30