

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) M2-3 Low-field Magnetic Resonance
Imaging | Imagerie par résonance
magnétique à bas champ (DPMB)***

Western University

Monday 27 May

14:15

(DPMB) M2-3 Low-field Magnetic Resonance Imaging | Imagerie par résonance magnétique à bas champ (DPMB)

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

14:15–14:30 (G*) Pulse Sequence Considerations for Accelerated Low Field MRI

Speaker

Samuel Perron

14:30–14:45 2D Slice Selective Head Sized TRASE MRI by Coil Rotation

Speaker

Prof. Jonathan Sharp

14:45–15:00

(G*) SegFormer for Precise Quantification of Lung Ventilation Defects in Hyperpolarized Gas Lung MRI

Speaker

Ramtin Babaeipour

15:00–15:15

(G*) A Method to Explore Tissue Microstructure on Cellular and Subcellular Spatial Scales with Diffusional Kurtosis Imaging

Speaker

Jake Hamilton

15:15–15:30

(G*) Assessing magnetic particle imaging parameters for improved sensitivity in cellular tracking applications

Speaker

Samantha Flood

15:30–15:45

(G*) Comparing the Cellular Detection Limits of Magnetic Particle Imaging and Bioluminescence Imaging

Speaker

Sophia Trozzo

15:45