

Session Program

7-12 Jun 2020



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2020 CAP Virtual Sessions / Sessions virtuelle de l'ACP 2020

DPMB Best Student Oral Presentations

Virtual Platforms

Sunday 7 June

13:45

DPMB Best Student Oral Presentations

Session | Location: Virtual Platforms

13:45-14:00

The Peculiar Behaviour of Dissolved ^{129}Xe in Low and High Concentrations of Ethanol-Water Mixtures

Speaker

Elise Woodward

14:03-14:18

A novel technique for breast lesion targeting under ultrasound-guidance and positron emission mammography localization

Speakers

Claire Park, David Tessier

14:21-14:36

Study of Tumour Intracellular pH (pHi) in a Rat Model of Glioblastoma Using CEST-MRI

Speaker

Ms Maryam Mozaffari

14:39-14:54

Kinetics of Capture and Translocation in Salt Asymmetry

Speaker

Mr Lucas Philipp

14:54-14:59

BREAK

15:00-15:15

POSTER - Signal Optimization and Chemometric Analysis of Laser-Induced Breakdown Spectroscopy Bacterial Spectra to Quantify Detection Limits and Improve Classification Accuracy

Speakers

Emma Blanchette, Ms Sydney Sleiman

15:18-15:33

3D Printed Mouse Bed for Magnetic Resonance Imaging

Speaker

Ms Melissa Anderson

15:36-15:51

High spatial resolution dosimetry using Raman micro-spectroscopy readout of radiochromic films

Speaker

Mr Connor McNairn

15:54-16:09

Characteristic variability of co-regulated genes

Speaker

Mr Euan Joly-Smith

16:12-16:27

Particle Neutron Gamma-X Detection (PNGXD) based localization for ion beam radiotherapy

Speaker

Mr Kurt Van Delinder

16:30