

Session Program

5-11 Jun 2022



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2022 CAP Congress / Congrès de l'ACP 2022

***T3-1 Advances in Physics in Biology and
Medicine Symp.: Physics in Medicine (DPMB) |
Symposium sur les progrès en physique dans
la biologie et la médecine: la physique en
médecine (DPMB)***

McMaster University

Tuesday 7 June

13:15

T3-1 Advances in Physics in Biology and Medicine Symp.: Physics in Medicine (DPMB) | Symposium sur les progrès en physique dans la biologie et la médecine: la physique en médecine (DPMB)

Session | Location: McMaster University, MDCL 1110 | Convener: Cornelia Hoehr

13:15-13:45

(I) Novel cancer treatment in a FLASH - development towards reducing side effects of cancer therapy using X-rays, electrons and protons at TRIUMF

Speaker

Alexander Gottberg

13:45-14:00

(G*) Analysis of cytotoxicity trends in breast cancer cells using total reflection X-ray fluorescence (TXRF)

Speaker

Natasha Hedden

14:00-14:15

(U*) An augmented-reality setup to improve accuracy in surgical chronic kidney mice model

Speaker

Udbhav Ram

14:15-14:30

Monte Carlo Simulation of FFF Photon Beam in Radiotherapy

Speaker

Dr James Chow

14:30-14:45

Creating a Chatbot for Radiation Safety Training in Radiotherapy

Speaker

Dr James Chow

14:45