

Session Program

Jun 5 - 11, 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

Tue, June 7

1:15 PM

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

1:15 - 1:45 PM

(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

1:45 - 2:00 PM

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

Speaker

Natasha Hedden

2:00 - 2:15 PM

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

Speaker

Udbhav Ram

2:15 - 2:30 PM

Monte Carlo Simulation of FFF Photon Beam in Radiotherapy

Speaker

Dr James Chow

2:30 - 2:45 PM

Creating a Chatbot for Radiation Safety Training in Radiotherapy

Speaker

Dr James Chow

2:45 PM