

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

W4-8 Membrane Biophysics and Drug Delivery (DPMB) / Biophysique des membranes et administration de médicaments (DPMB)

Underline Conference System

Tuesday 8 June

16:45

W4-8 Membrane Biophysics and Drug Delivery (DPMB) / Biophysique des membranes et administration de médicaments (DPMB)

Session | Location: Underline Conference System | Convener: Melanie Campbell

16:45-16:50

(U*) The Effects of Resveratrol, Caffeine, β -Carotene, and Epigallocatechin Gallate (EGCG) on Amyloid- β 25-35 Aggregation in Synthetic Brain Membranes

Speaker

Isabella Gastaldo

16:50-16:55

(U*) Curcumin and homotaurine suppress amyloid-b25-35 aggregation in synthetic brain membranes

Speaker

Xingyuan (Kate) Zou

16:55-17:00

(G*) Diffusion in a membrane in the presence of immobile obstacles: the role of disorder

Speaker

Nicholas Ilow

17:00-17:05

FUNCTIONAL AND FUNCTIONALIZED MEMBRANES

Speaker

Maikel Rheinstadter

17:05-17:10

THE NANOSCOPIC BENDING RIGIDITY OF RED BLOOD CELL MEMBRANES

Speaker

Sebastian Himbert

17:10-17:15

A Kinetic Monte Carlo Algorithm for Swelling Drug Delivery Systems

Speaker

Maxime Ignacio

17:15-17:20

(G*) The Limits of Polymer Single File Dynamics: A phase diagram

Speaker

Hanyang Wang

17:30