

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

W3-4 Molecular and Cellular Biophysics (DPMB) / Biophysique moléculaire et biophysique cellulaire (DPMB)

Underline Conference System

Tuesday 8 June

15:45

W3-4 Molecular and Cellular Biophysics (DPMB) / Biophysique moléculaire et biophysique cellulaire (DPMB)

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

15:45–15:50 **(G*) How did first life emerge on terrestrial planets?**

Speaker

Alix Dujardin

15:50–15:55

MD Simulation and Topological Data Analysis of High Temperature Activity of an Enzyme

Speaker

samin tajik

15:55–16:00

(U*) Protein Conformational Ensembles for a Disordered Protein Restricted by Separate Biophysical Experiments

Speaker

Mr Thomas Tsangaris

16:00–16:05

(U*) Quantitatively Analysing Evolutionary Effects in the Transition From Non-Genetic to Genetic Drug Resistance

Speaker

Mr Joshua Guthrie

16:05–16:10

(U*) The quantitative analysis of gel electrophoresis data using a cloud-based smartphone application

Speaker

Udbhav Ram

16:10–16:15

Ratcheting charged polymers through nanopores: Designing a low pass molecular filter for DNA

Speaker

Gary W. Slater

16:15–16:20

Concentration and Mobility of Activator and Repressor Morphogens in live early Drosophila Embryos

Speaker

Lili Zhang

16:20–16:25

Measurement of elements in toenail clippings using portable X-ray fluorescence

Speaker

David Fleming

16:30