

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

TS-6-1 COVID & Biomicrofluidics (DPMB Symposium) / COVID et biomicrofluidique (Symposium DPMB)

Underline Conference System

Monday 7 June

11:00

TS-6-1 COVID & Biomicrofluidics (DPMB Symposium) / COVID et biomicrofluidique (Symposium DPMB)

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

11:00-11:30 (I) Microfluidic devices for handling small organisms

Speaker

Ravi Selvaganapathy

11:30-12:00

A nanosurface fluidic device for physical fingerprints of extracellular vesicles for liquid biopsy in cancer

Speaker

Sara Mahshid

12:00-12:05

(G*) Erythro-VLPS: Embedding SARS-COV-2 Spike Proteins in Red Blood Cell Based Proteoliposomes Leads to Pronounced Antibody Response

Speaker

Sebastian Himbert

12:05-12:10

(G*) Novel drug delivery system for antibiotic therapy using modified erythrocyte liposomes

Speaker

Hannah Krivic

12:10-12:15

(U*) Laser-based mask characterization for prophylaxis of Covid-19

Speaker

Abbey Richer

12:15-12:20

(G*) Quantifying Density Hotspots and Potential Superspreading Events During COVID-19

Speaker

K. Mason Rock

12:20-12:35

Filter mask development and PPE distribution from the ground up.

Speaker

Christopher Murray

12:35-13:30

TS-6-1 Break (55 minutes)

13:30