

## **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