SESSION 2: FRIDAY, OCTOBER 20, 2023 12:30PM - 2:30PM

Process Development for mRNA-Based Vaccines: Optimization of DNA Template Production and Purification for In Vitro Transcription (IVT)
Cynthia Hitti, Prof. Amine Kamen

A deep learning approach to identify major sources of interpersonal differences from deeply phenotyped population data
Justin Marotta, Prof. Danilo Bzdok

Universal plasma single EV capture and profiling using Size photometry and fluorescence imaging
Hugues Martin, Prof. David Juncker

TBD
Sean Murray,

Label-free single Extracellular vesicle profiling for early diagnosis of Medulloblastoma
Yao Lu, Prof. Sara Mahshid

Counterfactual evaluation of the impact of pharmaceutical and non-pharmaceutical interventions on the burden of COVID-19 hospitalizations in Quebec
Samuel Torres Florez, Profs. Caroline Wagner & Étienne Racine

In vivo directed evolution of plant enzymes involved in antioxidant compound production
Asia Vighi, Prof. Codruta Ignnea

Establishing & Optimizing A Scalable Lipid Nanoparticle Encapsulation Process for mRNA Vaccines and Therapeutics
Maryam Youssef, Prof. Amine Kamen