Session 1: FRIDAY, OCTOBER 21, 2022

Engineering Next-Generation Diterpenoid Dedicated Yeast Production Systems
Jean-Alexandre Bureau, Prof. Ignea 12:30-12:45

The Development process for a microfluidic aerosol capture device
Yonatan Morocz, Prof. Juncker 12:45-13:00

In vivo mapping of brain network microstructure using multi-modal magnetic resonance imaging techniques
Wen Da Lu, Prof. Tardif 13:00-13:15

TBD
Nicole Osayande, Prof. Bzdok 13:15-13:30

Huntingtin in Motor Protein Recruitment, Dynamics, and Neurodegeneration
Brooke Turkalji, Prof. Hendricks 13:30-13:45

Investigation of the Protein Corona’s Impact on Nanoliposome-Based Drug Delivery Systems in Cancer Cell Lines Using QCM-D
Nicholas Van Der Sanden, Prof. Tabrizian 13:45-14:00

Study the microtubule acetylation effects on the mechanical properties of the cell
Magda Sanchez Sanchez, Prof. Hendricks 14:00-14:15

Investigating the impact of bioactive ginger extract on gut-brain communication with implications in Alzheimer’s Disease
Rahul Thareja, Prof. Satya Prakash 14:15-14:30
Session 2: FRIDAY, OCTOBER 28, 2022

Brain Vessel Imaging and Analysis
Garth Griffiths, Prof. Shmuel
12:30-12:45

Correlation between arterial blood pressure fluctuations & resting-state fMRI - Noise or signal
Remi Dagenais, Prof. Mitsis
12:45-13:00

A size-adjustable, 32 channel pediatric head coil with integrated dynamic field monitoring for 7 Tesla MRI
Christian Sprang, Profs. Rudko/Tardif
13:00-13:15

Understanding the production of Adenovirus in HEK 293 cells
Rim Al-Siss, Prof. Kamen
13:15-13:30

Evaluation Study of a Mobile Application for Monitoring Voice and Upper Airway Health
Andrew Chao, Prof. Li-Jessen
13:30-13:45

Needle Free Injection for the Delivery of Dental Anesthetic
Maddy Liblong, Prof. Mongeau
13:45-14:00

Multiscale Water-Mediated Structuring in the Cornea
Eran Ittah, Prof. Reznikov
14:00-14:15