

MELS First Year Student Talks

Wednesday, December 7th, 2022

1:00 p.m. – 3:00 p.m.

<https://brandonu-ca.zoom.us/j/99971907289> Meeting ID: 999 7190 7289

Chemistry

1:00-1:20 **Jessica Li**

Supervisor: Vince Chen

Proteomic identification of enzymes involved with 2-hydroxyglutarate binding & metabolic manipulation in brain cancer cells

Geography and Environment

2:00-2:20 **Christine McGorman**

Supervisor: Alex Koiter and Li Sheng (AAFC)

Soil Surface Characterization: A Comparison of Methods

Math and Computer Science

1:20 – 1:40 **Ramlah Abdulmalik**

Supervisor: Gautam Srivastava

Forecasting of transportation-related CO₂ emissions in Canada with different machine learning algorithms

2:20-2:40 **Cameron Beaupre**

Supervisors: Alex Koiter and Aaron Glenn (AAFC)

Agricultural microplastics: Persistence of polymer-coated fertilizer

Biology

1:40-2:00 **Steven Holden**

Supervisor: Bryan Cassone and James Tucker (AAFC)

Plant Pathology Phenomic Processing, from Planting to Machine Learning: Quantifying the Uncertainty of Boundary Regions.

ADES

2:40-3:00 **Mayet Zegeye**

Supervisor: Balfour Spence and Lord Abbey

Gender differentiated climate change vulnerability and adaptation of smallholders in rural Ethiopia