

# 7<sup>th</sup> Annual CCSB Day at the University of Ottawa

STM 224 (Posters in STM 117)

150 Louis-Pasteur Private

Monday, May 8, 2023

8:30am - 5:30pm



8:30am – 9:15am	<i>Dr. Adam Damry, University of Ottawa:</i> Functional biosystems at the solid-liquid interface
9:15am – 9:30am	<i>Johnathon Emlaw:</i> Reconstructing identical agonist sites in the muscle-type nicotinic acetylcholine receptor
9:30am - 9:45am	<i>Spencer Uguccioni:</i> Copper's antiviral properties stem from interactions with host immune pathways
9:45am - 10:00am	<i>Luciana Yu:</i> Making Nanoparticles Yummy for Cells: Surface Chemistry Optimization for in vivo Cell Tracking by Magnetic Particle Imaging
10:00am - 10:30am	Break
10:30am - 10:45am	<i>Eric Gates:</i> Intracellular Human Transglutaminase 2 is Responsible for the Transglutaminase-Associated Cancer Phenotype
10:45am - 11:00am	<i>Emilie Brun:</i> A new approach for synthesizing homo- and hetero-bislanthanide complexes with applications across multiple imaging modalities
11:00am - 12:00pm	<i>Dr. Andrew Beharry, University of Toronto:</i> Light-Responsive Probes: Guiding Clinician Decision-Making and Destroying Cancer
12:00am - 1:00pm	Lunch
1:00pm - 2:00pm	Poster presentations
2:00pm - 2:45pm	<i>Dr. David Sabatino, Carleton University:</i> Cancer-Targeting Immunostimulatory Peptides as Synthetic Antibody Mimics
2:45pm - 3:00pm	<i>Lavleen Mader:</i> The war on hTG2: investigation of covalent warheads in the design of small molecule human tissue transglutaminase inhibitors

3:00pm - 3:15pm	<i>Nicholas D. Calvert:</i> Direct Mapping of Kidney Function By MRI-Based Urography Using a Tetrazinanone Organic Radical Contrast Agent
3:15pm - 3:30pm	<i>André Paquette:</i> Chemoenzymatic synthesis of depsipeptide natural products through thioesterase macrocyclization
3:30pm - 4:00pm	Break
4:00pm - 4:15pm	<i>Alexia Kirby:</i> Molecular imaging of aldehydes for objective diagnosis of concussion
4:15pm - 4:30pm	<i>Jordan Brazeau-Henrie:</i> Characterizing the control mechanism of Thioesterase (TE)-mediated macrocyclization via saturated mutagenesis of the DEBS-TE
4:30pm - 5:30pm	<i>Dr. Jaclyn M. Winter, University of Utah:</i> Discovery and Engineering of Natural Products for Human Health

