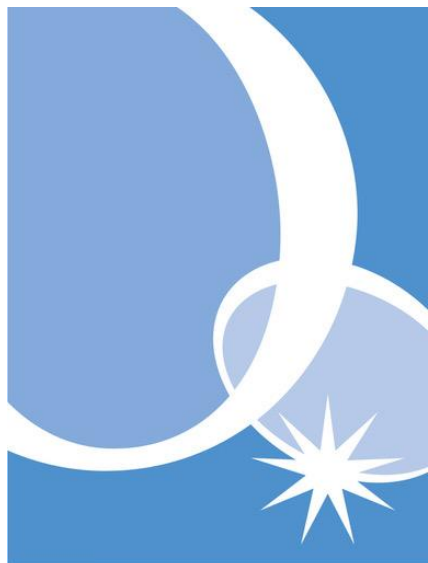


Department of Chemistry and Biology Symposium: Science at the Interface 2023
August 2nd, 2023

We acknowledge the generous support from our sponsors for the 2023 Dept. Symposium



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Program

9:00-9:10 Opening Remarks

9:10-9:40 Dr. Dustin Little
“Sorting the Arsenal: Hierarchical Secretion of Type III Secretion System Effectors”

Sponsored by *GeneBioSystems*

9:40-10:25 Selected HQP Talks – Sponsored by *Cedarlane*

1. Jennalee Ramserran, Koivisto - Chemistry
“Degradation of Electrospun Polystyrene Nanofibers with Photoactive Dopants”
2. Zoe Cristante, Koprivnikar – Environmental Biology
“Levels of chemical screams: Trait-mediated indirect effects of plant-infecting nematodes and herbivore damage on their neighbours”
3. Aasiya Remtulla, Olson – Biomedical Sciences
“MRCK α and GEF-H1 Signalling in Ovarian Cancer”

10:25-10:45 Coffee Break

10:45-11:30 Selected HQP Talks - Sponsored by *The Dept. of Chemistry and Biology*

4. Sumaiya Soha, Impellizzeri/Antonescu/Botelho – Interdisciplinary
“Improved imaging and preservation of lysosome dynamics using silver nanoparticle-enhanced fluorescence.”
 5. Corbin Sparks, Melles – Interdisciplinary
“Assessing the airborne VOC biofiltration capacity and microbiome of a consumer-grade active hydroponic green wall system”
 6. Zoe Lebel-Pantazopoulos, Heyd – Chemistry
“Radical-Induced Cationic Frontal Polymerization of Epoxy Monomers”
-

11:30-12:00 Dr. Lesley Campbell
“Low Hanging Fruit: Research to support smart environmentally controlled agriculture

Sponsored by the *EnSciMan Graduate Program*

12:00-2:00 Lunch

12:00-1:00 Poster Presentations – Even Number

1:00-2:00 Poster Presentations – Odd Number

2:00-2:10 Just because

2:10-2:40	<p>Dr. Mojca Mattiazzi Usaj “Analyzing phenotypic heterogeneity with high-content screening”</p> <p>Sponsored by <i>Quorum Technologies</i></p>
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2:40-3:25	<p>Selected HQP Talks and Guest Talk Sponsored by <i>Faculty of Science</i></p> <p>7. Natasha Porco, McPhee/Botelho - Biomedical Sciences “The Role of Bacterial Filamentation as a Defense Mechanism Against Antimicrobial Peptide LL-37”</p> <p>8. Stefania Conforti, Liss – Environmental Biology “Investigating the Impact of Silver-Stabilized Hydrogen Peroxide on Host-pathogen Interactions in Drinking Water Systems”</p> <p>Adnan Syed, FOS – Talent Accelerator</p>
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3:25-3:45	Coffee Break
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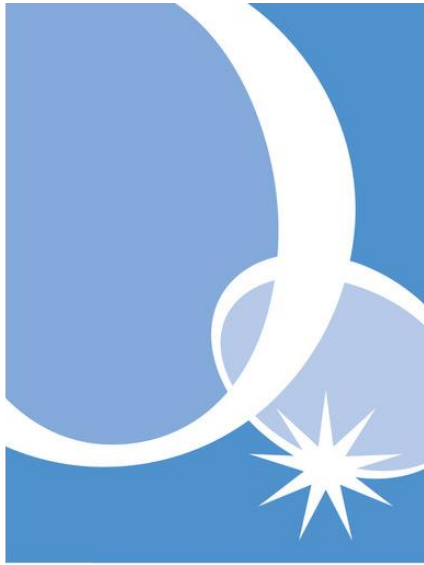
3:45-4:30	<p>Selected HQP Talks Sponsored by <i>Wiley</i></p> <p>9. Huy Manh Nguyen, Suehring - Interdisciplinary “The Use of Computational Fingerprinting Techniques to Distinguish Sources of Accelerants Used in Wildfire Arson”</p> <p>10. Fatima Ahmed, Hausner – Environmental Biology “Analyzing the Potential of Wastewater Microorganisms to Degrade or Deteriorate Microplastics in the form of Synthetic Microfibers”</p> <p>11. Diana Schwendener Forkel, Antonescu – Biomedical Sciences “Regulation of glycogen synthase kinase 3 by amino acids requires GATOR1 but is mTORC1-independent”</p>
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4:30-5:00	<p>Dr. Dan Foucher “Designer Antimicrobials: A Smarter Way to Kill Pathogenic Organisms”</p> <p>Sponsored by <i>NanoOntario</i></p>
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5:00-5:30.	<p>Awards and Closing Remarks Top Oral Presentation Awards Sponsored by <i>Quorum Technologies Inc.</i> Top Poster Presentations Awards Sponsored by <i>EnSciMan Graduate Program</i></p>
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6:00-9:00	<p>After Party – Science Discovery Zone (bring your OneCard and government-issued ID)</p>
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