

Awards for Best Oral and Poster Presentations  
 46<sup>th</sup> Southern Ontario Undergraduate Chemistry Conference  
 Wilfrid Laurier University  
 March 24, 2018

session	place	First Name	Last Name	University	Title	abstract ID
Analytical	1	Baian	Almusned	Western	The Role of Molybdenum in the Passivity of Ni-Cr-Mo Alloys in Chloride Containing Environments	22
	2	Alexandra	Deckert	UOIT	Selective molecular receptor for the detection and removal of mercury ions from solutions	54
	3	Abhilash	Kavuru	York	Understanding Conformational Dynamics of Substrate Binding to GST M2-2 using TRESI-HDX	32
Biological & Medicinal	1	Jessica	Chorolovski	Trent	Characterization of a unusual transcription factor in the protist, <i>Giardia intestinalis</i>	98
	2	Evan	Shepherdson	Waterloo	Engineering a controlled environment within a spherical capsule protein	4
	3	Reta	Bodagh	UofT	Photoactivation of Inhibitors of Anti-Cancer Therapy	101
	4	Jeffrey	Palumbo	Waterloo	Using Variable Temperature NMR to Examine the Structure and Stability of Immature Human SOD1	114
	honourable	Ruqaiya	Qureshi	York	Analysis of the Binding of Bifunctional Aptamers using Isothermal Titration Calorimetry (ITC)	76
General	1	Menandro	Cruz	UofT	Designing Patchy Rod-Like Micelles: Manipulating Competitive Seeded-Growth Kinetics and Visualizing Patchiness by Selective Staining	34
	2	Greg	Yousif	Windsor	Synthesis of small molecule biological antifreezes and applications in cryopreservation	91
	honourable	Elida	Bani	York	MS in probing protein-small molecule interaction	83
Inorganic & Materials	1	Jade	Poisson	UOIT	"Smart" self-assembled chromogenic materials on enhanced screen printed nanosurfaces	12
	2	Hlib	Razumkov	UofT	Synthesis of New Phosphorus-containing Functional Groups Using 2-Phosphaethynolate Anion	65
	3	Matthew	McLaughlin	Windsor	Inert-Bond Activation Using a Pentanuclear Nickel Hydride Cluster	92
	4	Kathy	Nguyen	Windsor	Conductive Stretchable Fibres for Imperceptible Electronics	53
	honourable	Kyle	Classen	Western	Synthesis of Thermo-responsive and Self-immolative Polymers from Poly(ethyl glyoxylate)	105

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Organic	1	Jacklyn	Liu	UofT	Synthesis of sugar-derived aryl ethers	132
	2	Scott	Sammons	Guelph	Cyclization and Characterization of cis-1-alkenyl $\beta$ -aminoalkyl sulfoxides	109
	3	Michael	Botelho	Western	A New Method for the Activation of Donor-Acceptor Cyclopropanes	139
	4	Lucas	Kapeniak	Queen's	Expanding the Role of CO <sub>2</sub> Surrogates in Organic Synthesis	125
	honourable	Benjamin	Bridge	Western	Progress Toward the Formal Synthesis of Chanoclavine I	119
Physical Theoretical Comp	1	Sydney	Legge	Western	Probing Surface Chemistry at the Monolayer Level with PM-IRRAS	50
	2	Maya	Olechnowicz	Western	Investigating CO <sub>2</sub> Adsorption and Dynamics in the Metal-Organic Framework ZnAtzOx-MeOH	25
	3	Ruben	Mirzoyan	UofT	Near-field infrared spectroscopic properties of boron nitride nanotubes upon polymer binding	129
	4	Xinyu (Linda)	Ye	Western	Can Molecular Simulations Help Understand Alzheimer's Disease?	112
Posters	1	Nina	Farac	UofT	Synthesis and Characterization of Novel Copper(I) and Nickel(II) Complexes with a Tetradentate Bis(amino)-Bis(N-heterocyclic carbene) (CNNC) ligand	138
	2	Luke	Kyne	UofT	Poly(norbornene) Dopamine Polymer Electrode for Lithium Storage	71
	3	Yuelang	Chen	UofT	Effect of Substrate Surface Stiffness on Bacterial Adhesion	14
	honourable	Michael	Fish	Laurier	Assessing the Structural and Functional Characteristics of the ADP/ATP Carrier Towards a Comparative Analysis with Uncoupling Proteins	16