



## Poster – Booklet

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# Information

## Schedules

12 pm: Departure to MAC (Court level) to place the posters.  
Odd-numbered posters present first, even-numbered second.  
*This is concurrent with lunch.*

3:15 pm: End of Poster & lunch session. All posters must be taken down.  
We then return to ENG for the rest of Saturday.

Poster storage: You can store your poster/tubes **at your own risk** in ENG101 (On Saturday) or ENG LG13 on Sunday if you do not wish to carry them around.

## Sponsor tables

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## Poster number, presenter name and title

Poster #	First Name	Last Name	Organization	Title of Work
1	Masarra	Al Dakka	McMaster University	The Plastic Response of The Slime Mold Physarum polycephalum to Variable Temperatures
2	Safa	Aldosri	Wilfrid Laurier University	Gastric acid secretion's role in fish appetite
3	Hayley	Alexander	McMaster University	Plasticity of thermogenic capacity to short day/warm or cold acclimation in lowland deer mice.
4	Huzaifa	Almohimed	Toronto Metropolitan University	Developing an Optimal Foraging Theory Model for Sustainable Crop Management
5	Nick	Archibald	Wilfrid Laurier	The interactions between the overexpressed BnNAC19 transgenic canola line and V. longisporum
6	Paige	Au	Brock University	Examining the correlation between prepartum behaviours and embryo implantation in the Iberian lynx ( <i>Lynx pardinus</i> )
7	Abiali	Badani	Toronto Metropolitan University	Determining the Molecular Basis for NleH2-Dependent Phosphorylation of the Type III Secretion System Chaperone CseT
8	Carolyn	Bagaqkagean	Toronto Metropolitan University	Organic acids modulate DNA-drug interactions
9	Anna	Bazangeya	Toronto Metropolitan University	Image-Detection of Moisture Content in Rockwool Cubes
10	Mia	Bohbot	Trent University	Scavengers in the City
11	Bridget	Brown	Wilfrid Laurier University	The Effects of Progesterone on Cell Communication and Behaviour In Vitro Models of Lung Cancer
12	Marianka	Cantin	Laurentian University	Lake trout ( <i>Salvelinus namaycush</i> ) sperm swimming performance in aquaculture
13	Vanessa	Catrambone	McMaster University	Monocarboxylate transporter (MCT) expression in the left ventricle of high-altitude and low-altitude deer mice
14	Chujun	Chen	Wilfrid Laurier University	Will ABA content regulated by a key biosynthetic gene BnNCE3 be highly involved in Brassica napus against <i>Verticillium longisporum</i> ?
15	Kelly	Cheung	University of Toronto	The effects of net handling stress on breeding outcomes in Zebrafish ( <i>Danio rerio</i> )
16	Jonelle	Clarke	University of Western Ontario	Biosynthetic Production of Ephedrine and Related Alkaloids using Engineered <i>Saccharomyces cerevisiae</i>
17	Matthew	Cleland	McMaster	<i>Candida auris</i> Auxotrophs and Sexual Reproduction
18	Kaitlyn	Connell	Laurentian University	Infestation pattern of trombiculid mites on small mammal hosts
19	Quinlan	Cotnam	Toronto Metropolitan University	Exploring the Effects of Replicative Aging on Membrane Contact Sites in <i>Saccharomyces cerevisiae</i> .
20	Danica	D'Sa	University of Toronto Mississauga	Temporal patterning address of the Tm26 neuron in <i>Drosophila melanogaster</i>
21	Maia	Davey	McMaster University	Post-natal Development of Mitochondrial Function in Deer Mice ( <i>Peromyscus maniculatus</i> )
22	Rebecca	David	Toronto Metropolitan University	Investigating the Antibacterial Activity of Nucleoside Analogues Against Gram-Negative and Gram-Positive Bacteria
23	Taiba	Dawood	Toronto Metropolitan University	Screening and IC50 Determination of Boron-Based Compounds Against <i>Escherichia Coli</i>
24	Ronan	Derbowka	Laurentian	The effects of pharmacological inhibitors of PTGS2/COX2 on reducing radiation resistance in the Triple Negative Breast Cancer cell line MDA-MB-231
25	Sophia	Di Clemente	Toronto Metropolitan University	Evaluating the role of regulatory protein EnvY in the repression of ompT protease activity in <i>Escherichia coli</i>
26	Narindra	Persaud	University of Toronto Mississauga	Trade-offs between plant sexual and clonal reproduction in <i>Trifolium repens</i> , white clover
27	Natania	Doughty	Wilfrid Laurier University	Exploring The Stress Response of Larval Sea Lamprey

28	Emily	Drennan	University of Western Ontario	Unlocking the Winter Wisdom: The Brain's Metabolic Symphony during Hibernation and Daily Torpor
29	Madeleine	Driscoll	Toronto Metropolitan University	Development of a microfluidic chip for the mapping of cytokines in relation to a fibrotic wound
30	Sam	Druif	Toronto Metropolitan University	Nutrient-Rich Solutions: Characterizing Compost and Compost Tea for applications in Vertical Farming
31	Nour	Elshobary	McMaster University	The impact of nitrogen amendment on soil and plant health
32	Sam	Fairburn	University of Toronto	The development of a natural transformation-CRISPR-Cas9 genome editing system in <i>Vibrio parahaemolyticus</i>
33	Josh	Ferguson	Toronto Metropolitan University	The role of adaptor protein complexes in phagosome maturation and resolution.
34	Anissa	Francis	Wilfrid Laurier University	Alternative Oxidase Unlocked: A Comprehensive Look at Post- Translational Regulation of the Enzyme across Eukaryotes
35	Vanessa	Giglio	York University	Exploring the Role of E3-Ligase HUWE1 in DNA Damage Repair and Ovarian Cancer Therapies
36	Gurtaaj	Gill	McMaster University	Elucidating a Potential Role for MANF in Muscle Function
37	Heather	Girouard	McMaster University	The Effect of Areas of Concern on Corticosterone Levels in Herring Gulls of the Great Lakes
38	Ana	Glavic	McMaster University	Characterization of the Tumor Suppressor Protein SHPRH
39	Andrew	Golding	Wilfrid Laurier University	Impact of peripheral nervous system in the development of the Tumor Microenvironment in melanoma
40	Fraaz	Muhammad Mahad	Laurentian University	Exploring the effects of metal exchange in the zinc enzyme Carboxypeptidase A
41	Brendan	Haidamous	Toronto Metropolitan University	Characterizing Effector Proteins of Rac1 Missense Mutants and Their Impact on Cytoskeletal Dynamics in Neurodevelopmental Disorders
42	Rawan	Hamam	Toronto Metropolitan University	Assessing the Effect of Artificial Senescence Induction on Endocytosis and Organelle Morphology in Human Fibroblasts
43	Nadine	Hamie	University of Toronto (St. George Campus)	Hatching and Mating Success of <i>Caenorhabditis nigoni</i> in Cold Temperatures
44	Maxwell	Hendershot	McMaster University	Effects of Neurochemical Manipulation on the Behaviour of <i>Capitella teleta</i>
45	Abbigail	Hollett	Trent University	"MindMatters Mini-Sessions" The Impact of Holistic Interventions on Student Stress and Overall Wellness
46	Maha	Jahangir	University Of Toronto Mississauga	The Impact of Flower Removal Timing on Fruit Abortion Rates in <i>Heliconia tortuosa</i>
47	Mary	Javier	Toronto Metropolitan University	Analyzing Carbon Fluxes Between The Water and Sediment Interface
48	Cora	Jornacion	McMaster University	Investigating the role of AMPK in Muscle Regeneration
49	Sarah	Kalansuriya	McMaster University	Investigating whole exome sequencing candidate genes in triple-negative breast cancer (TNBC) tissues from Barbadian and Nigerian women.
50				
51	Sahana	Kalidindi	University of Windsor	Analyzing and addressing undergraduate student misconceptions in microbiology: development and examination of active learning methods
52	Jessica	Kaloti	McMaster University	Function of the heterologously expressed cytochrome P450 family in zebrafish ( <i>Danio rerio</i> )
53	Shaili	Kapadia	Toronto Metropolitan University	Inducing PmrDAB expression contributes to O-antigen length in <i>Shigella sonnei</i>

54	Simran	Kaur	Toronto Metropolitan University	Investigating the Effects of Differing Far Red to Red Wavelengths as well as Increased Reflectivity on <i>Rubus ideaus</i> L. Yield and Development
55	Kayla	Khamis	Trent University	The Impact of Continuous Passive Exercise in Sedentary Individuals
56	Rogers	Koboji	University of Windsor	Dependence of the Inhibitory Aftereffect Generated by a Sound in the Rat's Central Nucleus of the Inferior Colliculus on the Frequency of the Sound
57	Maria	Kostiounina	McMaster University	The impact of THC on gamete fertilization, and the following embryogenesis, seen through a sea urchin model.
58	Louis	Kraish	Wilfrid Laurier University	Advantages of Harvesting Emergent Vegetation From Stormwater Ponds
59	Harry	Kumbhani	University of Waterloo	Beyond the Signal: Using Digitally-Coded Radiotransmitter Frequency to Predict Temperature
60	Jasmine	Lauzon	McMaster University	An investigation into the mechanisms behind thyroid dysfunction at high rearing temperatures in yellow perch ( <i>Perca flavescens</i> ) larvae
61	Enya	Lee	McMaster University	The "beiging/browning" of white adipose tissue (WAT) with cold hypoxia acclimation in low and high-altitude deer mice ( <i>Peromyscus maniculatus</i> )
62	Ernest	Li	Toronto Metropolitan University	Examining the Effects of Silver Nanoparticles on Cellular Health and Dynamics
63	Haining	Liang	University of Western Ontario	Identifying the function of the neuroligin 3 gene in <i>Drosophila melanogaster</i> circadian rhythm through the measure of daily locomotor activity
64	Michael	Lit	Western University	The effect of ADT5 phosphorylation status on ADT5 interactions in <i>Nicotiana benthamiana</i>
65	Vivian	Liu	University of Toronto	Survive or Succumb: Investigating <i>V. parahaemolyticus</i> defence against a novel jumbo phage
66	Joyce	Lotchuang	McMaster University	High Altitude Adaptation and Carbonic Anhydrase Function in Deer Mice ( <i>Peromyscus maniculatus</i> )
67	Miranda	MacCormack	McMaster University	Environmental Impact on Genetic Diversity in Gut Microbiomes of <i>Tachycineta bicolor</i> : a Metagenomic Analysis of Antimicrobial Resistance Genes
68	Anushri	Mahadeo	Toronto Metropolitan University	Exploring the Associations Between Mercury, Temperature and Bank Swallow Abundances in Southern Ontario
69	Shaafi	Mahbub	University of Ottawa	Investigation of the effects of Gcn5 overexpression on histone acetylation in yeast
70	Seema	Mahmalji	University of Toronto	A platform for determining protein misfolding severity
71	Saghar	Mazarei	Western University	Purgatory of pyruvate: the role of p66Shc in the metabolic regulation of human pluripotent stem cells.
72	Samuel	McKillop	Wilfrid Laurier University - Waterloo	Isolation and Environmental Stressor Tolerance of <i>Salmonella</i> and <i>E. coli</i> from Lotic and Lentic Water Systems
73	Gauri	Menon	University of Toronto Mississauga	Pure Protein Assay Characterization of the Protein Misfolding Propensity of Disease-associated Mutations
74	Danial	Mohammadi	McMaster University	Kaiso in Inflammatory Bowel Disease & Colitis-Associated Colorectal Cancer
75	Michelle	Morgovsky	Toronto Metropolitan University	The Role of NCK1 in Triple Negative Breast Cancer Cells with Mutated PI3K-Akt Pathways
76	Holly	Mosco	University of Windsor	Investigating the nest-site temperature preferences of Snow Buntings in the Canadian Arctic
77	Melody	Pan	McMaster University	Exploring The Relationship Between Kaiso and PD-L1 in Triple-Negative Breast Cancer
78	Jeel	Patel	McMaster	Metformin's Effects in Zebrafish ( <i>Danio rerio</i> )
79	Michelle	Pham	Toronto Metropolitan University	Distinguishing the Stages of Raspberry Fruiting Using Spectral Reflectance Signatures

80	Maia	Poon	McMaster University	The Role of Kaiso in the Regulation of PD-L1 in Triple-Negative Breast Cancer
81	Sehan	Punchihewa	Western University	Biosynthetic Production of L-phenylglycine in <i>Saccharomyces cerevisiae</i>
82	Jamie	Rice	Toronto Metropolitan University	Comparative Analysis of SOS Response Induction by <i>Shigella flexneri</i> Versus <i>E. coli</i> using sulA Reporters
83	Natasha	Salahshour	Toronto Metropolitan University	Rescuing the Endocytic Defect in Splicing Mutants Through Intron Deletion in Yeast
84	Daniel	Samir	Toronto Metropolitan University	Characterization of the Cellular Roles of GEF-H1
85	Lohitika	Sibia	Toronto Metropolitan University	Temperature modulates DNA replication instability in a yeast model of drug sensitivity and resistance
86	Pranav	Sinha	University of Toronto Mississauga	BIO481 Research Project Investigating Bat Species ID and call parameters in Sonobat and Kaleidoscope
87	Allie	Spangaro	TMU	Exploring the effects of replicative age on endocytosis and organelle function in human fibroblasts
88	Olivia	Stanton	University of Windsor	The potential impacts of early-rearing environmental enrichment on the brain morphology of hatchery-reared Chinook salmon ( <i>Oncorhynchus tshawytscha</i> )
89	Xingyuan	Su	McMaster University	Population Genetic Analysis of Little Brown Myotis and Yuma Myotis in British Columbia, Canada
90	Gary	Sun	McMaster University	Exploring the Mycelial Frontier: Investigating Mycelia Film Capabilities in Commercially Available Fungal Species
91	Bahar	Taghizadeh	Toronto Metropolitan University	Investigating the mechanisms of freezing-induced mutagenesis in <i>Schizosaccharomyces pombe</i> (fission yeast)
92	Laiba	Tahseen	Toronto Metropolitan University	What is the effect of reflected far-red light on the sugar content of raspberries ( <i>Rubus idaeus</i> )?
93	Katherine	Ullrich	McMaster University	Behavioural Modelling of SETBP1 Haploinsufficiency Disorder in Larval Zebrafish, <i>Danio Rerio</i>
94	Elijah Mikhail	Urdaneta	Toronto Metropolitan University	A Polyethylene Glycol-Mediated Cell Fusion Assay for Quantifying Mitochondrial Fusion during PIKfyve Inhibition
95	Tiam	Vanaki	Toronto Metropolitan University	Determining the Role of the TORC1 Signalling Pathway in the Regulation of the Intron-Mediated Starvation Response
96	Nethu	Vitharana	McMaster University	Investigation of the Presence and Abundance of the Probiotic species from a British Columbian-Derived Probiotic Cocktail in Southern Ontario Bats to Combat White Nose Syndrome
97	Tianconghui	Wang	Western University	Signal and Quality: Individual Variation in Mountain Chickadee ( <i>Parus gambeli</i> ) Songs and Spatial Cognitive Ability
98	Cindy	Wang	UWO	Impact of heat stress on true armyworm ( <i>Mythimna unipuncta</i> ) survival and development in the context of climate change
99	Kenzi	Whited	University of Windsor	Exploring Arctic Fox ( <i>Vulpes lagopus</i> ) and Polar Bear ( <i>Ursus maritimus</i> ) Foraging in the Presence of Field Researchers on East Bay Island, Nunavut
100	Justin	Wimmer	Brock University	Vitamin A metabolites affect electrical communication between neurons
101	Delicia	Wong	Western University	Characterizing Suberin Metabolites in Transgenic Soybean
102	Julia	Gilley	University of Toronto	Dynamics of Major Sperm Protein (MSP) Gene Family Evolution Among 50 <i>Caenorhabditis</i> Nematode Genomes

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