



**Wednesday, August 15, 2018**

**9am – 2pm**

**IB-150 and Atrium**

**Sponsored by:**

**Office of the Vice-Principal, Research**

**Dean's Office**

**UTMAGS**

## AGENDA OF THE DAY

<b>8:45am</b>	Presenter (Oral and Poster) Registration
<b>9:15am – 11:00am</b>	Oral Presentations
<b>11:00am – 1:00pm</b>	Poster Viewing
<b>12:00pm – 2:00pm</b>	BBQ and Celebration (Music and Ice Cream)

BBQ is free for registered presenters, and \$5 for other attendees.  
BBQ ticket can be purchased at registration desk from 9am.

## ORAL PRESENTATIONS

**9:15am – 11:00am**

<b>Kristen Zimmer</b>	<b>English &amp; Drama</b>	<b>4<sup>th</sup> Year</b>
Madness or Melancholia? Rethinking Methodological Approaches to “Mad Madge”		
<b>Wafa Khoja</b>	<b>CPS</b>	<b>3<sup>rd</sup> Year</b>
A Novel Technique to Solve Isotope Scrambling in Protein NMR		
<b>Melanie Maddix</b>	<b>Geography</b>	<b>3<sup>rd</sup> Year</b>
Identification of Marginal Lands in the Credit Valley Watershed		
<b>Thomas Piekut</b>	<b>Biology</b>	<b>3<sup>rd</sup> Year</b>
Linear Motif Identification in the Intrinsically Disordered Linker Regions of Voltage-Gated Calcium Channels, Hubs for Synaptic Protein Scaffolding		
<b>Matthew Kolisnyk</b>	<b>Psychology</b>	<b>2<sup>nd</sup> Year</b>
The Role of Adult Neurogenesis in Pubertal Suppression of Naked Mole-Rats		
<b>Alexia Vassos</b>	<b>English &amp; Drama</b>	<b>3<sup>rd</sup> Year</b>
Bods & Bots: Comparing the Rhetoric of People with Disabilities and Robots		
<b>Kaitlyn Liang</b>	<b>CPS</b>	<b>2<sup>nd</sup> Year</b>
Studying Intrinsically-Disordered Proteins Using Ensemble Fluorescence Techniques		
<b>Yazad Bhatena</b>	<b>Psychology</b>	<b>4<sup>th</sup> Year</b>
Effect of Speaker Reliability on Children's Ability to Learn Non-Words: A Pupillometry Study		
<b>Shanza Ayub</b>	<b>Biology</b>	<b>3<sup>rd</sup> Year</b>
The Genomic Landscape of Polymorphic Transposable Elements in <i>Chlamydomonas Reinhardtii</i>		

## POSTER PRESENTATIONS

- 1. Christina-Maria Gagliano-Veiga** Geography 4<sup>th</sup> Year  
The Development of LEED in Canada
- 2. Noha Akram** Biology 3<sup>rd</sup> Year  
Seasonal Variability in Backswimmer (*Notonecta undulata*)
- 3. Haley James** Psychology 3<sup>rd</sup> Year  
Girls (and Boys) and Their Toys: Contemporary Sex Distributions of Favorite Toys
- 4. Mazin Talebishojaeion and Harpreet Atwal** Geography 3<sup>rd</sup>, 3<sup>rd</sup> Year  
Characterization of Stormwater Management Pond Sediments
- 5. Jenna Black** Biology 3<sup>rd</sup> Year  
A Complex Community of Viruses and Virophages Infects the Alga *C. Parva*
- 6. Salma Diab** Biology 3<sup>rd</sup> Year  
Effect of Mite Parasitic Infection on Dispersal of Backswimmers (*Notonecta Undulata*)
- 7. Felix Massey and Haseeb Malik** Geography 3<sup>rd</sup>, 3<sup>rd</sup> Year  
Leveraging Citizen Science for Air Pollution Modelling
- 8. Mahnoor Hamid and Syed Hassan Rizvi** Geography 2<sup>nd</sup>, 1<sup>st</sup> Year  
Under Employment Among Newcomers: A Profile of Willingness to Relocate for Rural Employment Opportunities
- 9. Kelsey Mooney** Psychology 4<sup>th</sup> Year  
Children's Emotional Responses, Inhibitory Control, and Aggression
- 10. Wyatt Weatherson and Sukhmani Singh** Geography 3<sup>rd</sup>, 3<sup>rd</sup> Year  
Sediment Deposition and Flow Dynamics
- 11. Nicole Di Lecce and Zarin Afroze** Geography 4<sup>th</sup>, 4<sup>th</sup> Year  
Global Migration and Health: A Scoping Review of National/International Course Offerings
- 12. Beata Cohan** Biology 3<sup>rd</sup> Year  
Resolving Species Relationships in Evening Primrose (*Oenothera* subsect. *Munzia*)
- 13. Stuti Joshi** Biology 3<sup>rd</sup> Year  
Myoinhibiting Peptides Control Peripheral Tissues in the Blood-Sucking Insect *Rhodnius Prolixus*
- 14. Tiger Wu, Thomas Younen, and Jessica Balgobin** Biology 2<sup>nd</sup>, 4<sup>th</sup>, 1<sup>st</sup> Year  
Urban Flora and Fauna Interactions: How Deer Browsing Effects Plant Community Diversity in an Urban Setting
- 15. Tetyana Murdza** CPS 3<sup>rd</sup> Year  
Structural and Functional Effects of Cardiac Disease Causing Mutations in rSUR2A L1 Linker
- 16. Oluwaseyi Olarotimi** Geography 4<sup>th</sup> Year  
Observing the Changes in Chlorophyll Content in a Grassland Ecosystem in Southern Ontario Using Airborne Hyperspectral Imagery: A Non Destructive Tool for Studying Ecosystem Health
- 17. Monique Dosanjh** Geography 2<sup>nd</sup> Year  
Using Hyperspectral Remote Sensing to Analyze Changes in Plant Photosynthesis and Light Use Efficiency under Water Stress
- 18. Amanjot Mundi** CPS 3<sup>rd</sup> Year  
Towards a LSPR-based biosensor using Gold Nanoparticles on a Paper-Substrate for Detection of *E. coli*
- 19. Shahdah Mahhouk** Psychology 2<sup>nd</sup> Year  
The Effect of Perceived Control on Emotional Regulation in Refugee Children



## POSTER PRESENTATIONS

- |   |                         |  |   |                         |                            |
|---|-------------------------|--|---|-------------------------|----------------------------|
| <b>39. David Ma</b>   | <b>CPS</b>              | <b>2<sup>nd</sup> Year</b>                 | <b>49. Rhys Buceta</b>  | <b>CPS</b>              | <b>3<sup>rd</sup> Year</b> |
| The Problem Based Learning Approach   |                         |  | Modern Glaciers as Insights into the Creation of the Northern Dolpo Basin   |                         |                            |
| <b>40. Grace Adele Wang</b>   | <b>Psychology</b>       | <b>2<sup>nd</sup> Year</b>                 | <b>50. Zena Agabani</b>   | <b>Psychology</b>       | <b>2<sup>nd</sup> Year</b> |
| How Do Adults and Children Recognize Voices?  |                         |  | Phonetic Similarities among Mothers and Their Children  |                         |                            |
| <b>41. Gauri Chaudhari and Anna Lyashenko</b>   | <b>Language Studies</b> | <b>2<sup>nd</sup>, 1<sup>st</sup> Year</b> | <b>51. Reizel Joyce Pejana</b>  | <b>CPS</b>              | <b>2<sup>nd</sup> Year</b> |
| The Phonetics of Hindi and Urdu Stop Consonants   |                         |  | Recombinant Protein Expression of Wild Type Apelin Receptor in <i>Pichia Pastoris</i>   |                         |                            |
| <b>42. Sukhraj Virdee</b>   | <b>CPS</b>              | <b>3<sup>rd</sup> Year</b>                 | <b>52. Raymond Luong</b>  | <b>Psychology</b>       | <b>3<sup>rd</sup> Year</b> |
| Computational Fluid Dynamics Simulation of Laminar Flow in Microfluidic Devices   |                         |  | Can Reddit Be Used for Online Psychology Experiments?   |                         |                            |
| <b>43. Rose Jajarmi</b>   | <b>Psychology</b>       | <b>2<sup>nd</sup> Year</b>                 | <b>53. Fatima Wasif</b>   | <b>Psychology</b>       | <b>3<sup>rd</sup> Year</b> |
| The Role of Parental Trust Beliefs on Children's Development of Sympathy and Schadenfreude                                |                         |  | Voluntary Control to Override Expected Costs in Inhibiting Unwanted Responses   |                         |                            |
| <b>44. Muhammad Rafee Kidwai</b>  | <b>CPS</b>              | <b>1<sup>st</sup> Year</b>                 | <b>54. Izza Israr</b>   | <b>CPS</b>              | <b>1<sup>st</sup> Year</b> |
| Developing a Problem Based Learning Curriculum for High School Chemistry  |                         |  | CHM299Y-Development of PBL activity for High School Students  |                         |                            |
| <b>45. Nicole Sell</b>  | <b>Psychology</b>       | <b>2<sup>nd</sup> Year</b>                 | <b>55. Stefan Sookbir</b>   | <b>CPS</b>              | <b>3<sup>rd</sup> Year</b> |
| Linking Children's Social Anxiety and Unsociability to Their Reparative Tendencies  |                         |  | Peptide Mimicry of Receptor Binding to G Proteins Using Single-Molecule Fluorescence  |                         |                            |
| <b>46. Sigi Maho</b>  | <b>Biology</b>          | <b>3<sup>rd</sup> Year</b>                 | <b>56. Dariya Darwin</b>  | <b>Geography</b>        | <b>2<sup>nd</sup> Year</b> |
| Accumulation of Skeletal Elements of Early Permian amniotes, Primarily Varanopidae, from Richards Spur Locality, Oklahoma |                         |  | School and Community Air Pollution Monitoring across Ontario  |                         |                            |
| <b>47. BoLin Fan</b>  | <b>CPS</b>              | <b>3<sup>rd</sup> Year</b>                 | <b>57. Anmol Kaur Chahal</b>  | <b>Biology</b>          | <b>3<sup>rd</sup> Year</b> |
| Finding Parameters for FOCAL: An Algorithm for Clustering Single Molecule Localization Microscopy Data                    |                         |  | Using Transgenic Line Crosses of Phosphoglyceromutase (PGM) and Enolase (ENO) in <i>Arabidopsis Thaliana</i> to Enable Phosphoenolpyruvate (PEP) Production in Plastids |                         |                            |
| <b>48. Momina Raja</b>  | <b>Psychology</b>       | <b>2<sup>nd</sup> Year</b>                 | <b>58. Lakdawala Khadija</b>  | <b>CPS</b>              | <b>3<sup>rd</sup> Year</b> |
| Is <i>Soat</i> the Same as <i>Boat</i> ? The Effect of Accent Distance on Adaptation to Familiar Words                    |                         |  | Identification of DNA Tether Length using Tethered Particle Motion  |                         |                            |
|   |                         |  | <b>59. Tinny Nguyen</b>   | <b>Language Studies</b> | <b>3<sup>rd</sup> Year</b> |
|   |                         |  | Impact Study on Summer STEM Programs in Ontario Universities  |                         |                            |

## POSTER PRESENTATIONS

- 60. Vanessa De Gregorio**                      **Biology**                      **1<sup>st</sup> Year**  
Rewriting the Role of the Learner: Students as Collaborators in Curriculum Map Development
- 61. Nurulain Ibrahim**                      **Biology**                      **3<sup>rd</sup> Year**  
Photosynthetic activity and pigment analyses of the parasitic *Cuscuta*
- 62. Hanine El-Mawed**                      **Biology**                      **3<sup>rd</sup> Year**  
Effect of Attack by the Parasitic Plant *Cuscuta* on Host Plant Defenses Against Herbivory
- 63. Andrew Lo**                      **CPS**                      **2<sup>nd</sup> Year**  
Developing Questions for Problem Based Learning
- 64. Faiyza Alam**                      **CPS**                      **2<sup>nd</sup> Year**  
Structure of Collagen in Damaged Pig Cartilage Characterized with Second Harmonic Generation Microscopy
- 65. Miranda Too**                      **Historical Studies**                      **4<sup>th</sup> Year**  
Pedagogical Challenges with Special Education Referrals and Diversity in Ontario
- 66. Eniolaye Balogun**                      **Biology**                      **3<sup>rd</sup> Year**  
Identification of Meiotic Mutations in Progeny of Crossed Strains of *Chlamydomonas Reinhardtii*
- 67. Shukri Nur**                      **Psychology**                      **4<sup>th</sup> Year**  
In, on, and under: Can toddlers' Comprehension of Prepositions Facilitate the Learning of New Words?
- 68. Nick Dirienzo**                      **Geography**                      **4<sup>th</sup> Year**  
Monitoring of NO<sub>x</sub>, NO<sub>2</sub>, and NO along future Mississauga LRT Pathway