Smarti Gras
Celebrating undergraduate summer research through talks, posters, and loads of FUN!

Wednesday, August 14, 2019
9am – 2pm
IB-150 and Atrium

Sponsored by:
Office of the Vice-Principal, Research
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<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30am</td>
<td>Presenter (Oral and Poster) Registration</td>
</tr>
</tbody>
</table>
| 9:00am – 11:00am | Oral Presentations  
(Presentations start at 9am sharp.) |
| 11:00am – 1:00pm | Poster Viewing |
| 12:00pm – 2:00pm | 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

### 9:00am – 11:00am

<table>
<thead>
<tr>
<th>Presenter</th>
<th>Year</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paolina Onorato</td>
<td>4th Year</td>
<td>How does withdrawing love impact shy children's kind emotions?</td>
</tr>
<tr>
<td>Kristen Zimmer</td>
<td>Just Graduated</td>
<td>Digitizing Cavendish: Digital Humanities and Early Modern Poetry</td>
</tr>
<tr>
<td>Tetyana Murdza</td>
<td>4th Year</td>
<td>Cardiac Disease Mutations in Disordered Protein Regions of K-ATP channels</td>
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<tr>
<td>Darragh Winkelman</td>
<td>3rd Year</td>
<td>Accounting for Ergativity in Hindi-Urdu and Pashto</td>
</tr>
<tr>
<td>Zoe Bedford and Monique Dosanjh</td>
<td>3rd, 3rd Year</td>
<td>Using Satellite Remote Sensing to Determine Spatial and Temporal Trends in Lake Bathymetry</td>
</tr>
<tr>
<td>Farah Noori</td>
<td>3rd Year</td>
<td>(Women and Gender Studies) Public Apologies and Canada's relation to Indigenous Peoples</td>
</tr>
<tr>
<td>Matthew Kolisnyk</td>
<td>4th Year</td>
<td>When the Mind Wanders: A Functional Near-Infrared Spectroscopy Study</td>
</tr>
<tr>
<td>Claire Smith</td>
<td>3rd year</td>
<td>Bernini’s Forge</td>
</tr>
<tr>
<td>Hanine El-Mawed</td>
<td>4th Year</td>
<td>Hormonal regulation of trehalose receptor in <em>Rhodnius prolixus</em>, a vector of Chagas disease: focusing on Methoprene, Insulin, and Adipokinetic hormone</td>
</tr>
<tr>
<td>Fatima Al Saadie and Mohamed Afify</td>
<td>3rd, 4th Year</td>
<td>Syrian Refugee Integration in Canada: Preliminary Analysis</td>
</tr>
<tr>
<td>Poster Title</td>
<td>Author(s)</td>
<td>Department</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>-----------------------------------------------------</td>
<td>------------------</td>
</tr>
</tbody>
</table>
POSTER PRESENTATIONS

18. Runyi Yao and Khrystyna Mandziy  
Psychology  
3rd, 3rd Year 
The Power of Speech: Will Speech Errors Influence Children's Perception of a Stranger's Reliability?

19. Ryan MacRae and Hayden Fargo  
Biology  
3rd, 3rd Year 
Design and Construction of a Biology Teaching Garden.

20. Izzar Linares  
CPS  
2nd Year 
Preparation of Nanoparticles with Multiple Chemically-Selective Functionalities.

21. Gresha Shah  
Psychology  
1st Year 
Toddlers' Adaptation to Foreign-Accented Speech.

22. Jovana Miladinovic  
CPS  
3rd Year 
Developing a Tethered Particle Motion System to Study the Interaction between Lsr2 and DNA.

23. Rima Rahmatullah  
CPS  
3rd Year 
Probing the Conformational Landscape of G-alpha-s - A 19F NMR Study.

24. Syeda Taliya Rizvi  
Psychology  
1st Year 
Gender-based Differences in Math Abilities and Math Stereotypes.

25. Muhammad Rafae Kidwai and Seyed Mohammad Ebrahim Naghavi  
Biology  
2nd, 3rd Year 
The Role of Interactive Animation as a Teaching Tool in Molecular Biology.

26. Meghana Munipalle  
CPS  
3rd Year 

27. Natalya Watson  
CPS  
3rd Year 
A Simulation of a Protein Crystal under Electric Field.

28. Shadia Zaman, Joseph Lee, and Yun Zhi  
Geography  
3rd, 4th, 4th Year 
Evaluation of Satellite Soil Moisture Products over the Great Lakes Basin.

29. Zarin Mom  
Geography  
3rd Year 
Integrating GIS and Drainage Modelling to Better Manage Stormwater Runoff in Urban Catchments.

30. Catherine Burzynski, Amna Baig, and Abida Suboor  
Biology  
3rd, 3rd, 2nd Year 
Student Engagement Incorporating Storytelling and Integrated Medical Concepts.

31. Nicole Davos, Amisha Bhardwaj, and Jonathan Waugh  
Geography  
3rd, 3rd, 3rd Year 
Urban Stream Hyporheic Zone.

32. Victoria Anne Torres  
CPS  
2nd Year 
Using 3D Printing to Facilitate Cell Loading in Microfluidic Devices for Single-Cell Analysis of E. coli.

33. Amrita Bagga  
Psychology  
3rd Year 
Intelligibility in Toddlers: A Longitudinal Study.

34. David Ma, Elfath Idris, Christine Lasam, and Sarah Lutka  
CPS  
3rd, 3rd, 3rd, 3rd Year 
Assessment of Multiple Precipitation Products over the Great Lakes Region.
35. Maria Novoselova  
CPS  
2nd Year  
Elucidating the Structure and Dynamics of an Oncogenic STAT5B Mutant Using Molecular Simulations.

36. Maha Chowdhury  
CPS  
3rd Year  
Pharmacological Strategies Targeting Vascular Diseases with the Endocannabinoid System.

37. David Paredes  
Geography  
3rd Year  
Change Detection of Soil Moisture and Chlorophyll Values at Koffler Field.

38. Oluwaseun Cardoso, Joanna Tran, Charbel Feghali, Julian Sequeira, and Viju Hiremath  
Computer Science and Statistics  
4th, 4th, 2nd, 4th, 3rd Year  
Can Initial Romantic Desire Be Predicted? (Project GL).

39. Aparna Gopalakrishn  
Computer science  
1st Year  
Modelling Learning in Plants Using Standard Genetic Algorithm (SGA).

40. Un leng Wai  
Geography  
3rd Year  
Grass Species Classification Using Hyperspectral Image in a Heterogenous Grassland Area.

41. Gloria Lim  
Management  
3rd Year  
Urban Green Spaces and Socioeconomic Outcomes.

42. Jaweria Qaiser and Ruth Thomas  
Biology  
3rd, 4th Year  
Student Perspectives Surrounding Open Textbook Use.

43. Boyu Xu  
Geography  
4th Year  
Health Assessment of Ash Tree with Integration in Airborne Hyperspectral Image.

44. Sarah Rashid  
Psychology  
2nd Year  
Children’s Inhibitory Control and Theory of Mind in Relation to Their Sympathy.

45. Kaitlin McNeil  
Just Graduated  
CPS and Centre for Urban Environments  
An Investigation of Precipitation Trends in the Greater Toronto Hamilton Area.

46. Fayez Habach  
CPS  
3rd Year  
Polarimetric Second Harmonic Generation Microscopy of Laser Ablated Articular Cartilage.

47. Eric Lauw  
Computer Science  
2nd Year  
SegsAtWork: Segmentation and tracking of E. coli.

48. Kiana Gashas  
Biology  
3rd Year  

49. Bhajan Gill  
Psychology  
4th Year  
Intergroup Bias and Gender Expression in Children.

50. Anamika Bhattacharjee  
Biology & Psychology  
Just Graduated  
Acute Embryonic Ethanol Exposure in Zebrafish (D. rerio): A Longitudinal Analysis.

51. Samuel Nguyen and Celine Bailleul  
Biology  
4th, 4th Year  
Drinks like a Fish: Using Zebrafish to Model FASD.

52. Annika Traa  
Biology  
4th Year  
A Tale of Two Neurons: Synapse Formation at the Drosophila Neuromuscular Junction.
53. Alyssa Bottoni Psychology 4th Year
Children’s Guilt and the Influence of Intergroup Relations and Caregiver Prejudice.

54. Nafia Mirza and Iqra Arain Psychology 2nd, 3rd Year
The Role of Opioid Receptors in the Social Approach Behaviours to Pain in Conspecifics.

55. Muhammad Nur Aflah Ahmed Zul Kamal Earth Sciences and Geography 3rd Year
Ground Motion Estimation of Induced Earthquake in Oklahoma.

56. Kathy Wang Biology 4th Year
Spatial Niche Partitioning and Habitat Selection in Semi-Aquatic Insect Competitors.

57. Emily So Bioinformatics 2nd Year
Studying Sex-Dependent Differences in IncRNA Expression in Trees.

58. Yinqi Huang Psychology 3rd Year
To Cope with Stressors at the Workplace and at Home: Phone Use and its Consequences.

59. Sofia Mirazada Psychology 4th Year
Like Mother, Like Daughter. Like Father, Like Son?

60. Syeda Adil Psychology 3rd Year
Do Toddlers Encode the Tone of Voice of New Words?

61. Carina Suleiman, Jihan Khatib, and Samikshya Dhamala Environment 2nd, 4th, 4th Year
Did They Replant It? Next Steps in Assessing Resident Compliance, Attitudes and Experiences with Toronto’s Private Tree Bylaw.

62. Nicole Kraljevic and Tsz Shan (Phoebe) Chan CPS 4th, 3rd Year

63. Lauren DiNola Biology 3rd Year
Processing Chain Interactions of Invertebrate Communities.

64. Sian Milne Biology 4th Year
Dating Cuscuta (Convolvulaceae): Exploring a Molecular Clock Approach in the Difficult Case of Parasitic Plants.

65. Wen Tong Biology 3rd Year
Utilizing Single Copy Orthologs as Molecular Markers to Determine Differentiation Among Varieties within Cuscuta sect. Denticula.

66. Tessa Marshall Psychology 3rd Year
Developing Talker Recognition in Infants: Do 4-5-Month-Olds Identify Female and Male Voices Differently?

67. Farah Noori Historical Studies 3rd Year (Women and Gender Studies)
Public Apologies and Canada’s Relation to Indigenous Peoples.

68. Monique Dosanjh and Zoe Bedford Geography 3rd, 3rd Year
Using Satellite Remote Sensing to Model Lake Bathymetry in the Credit Valley Watershed.

69. Samy Danial Biology 4th Year
The intrinsically Disordered Loop of USF1 Modulates DNA Binding Specificity in a Gene Involved in Hereditary Asthma.
POSTER PRESENTATIONS

70. Neha Purakan, Aalia Rangnekar, Yoon Hong, and Tiffany Sun  
    Biology 1st, 1st, 2nd, 1st year  
    Effects of Deer Herbivory on Understory Growth, Damage and Leaf Litter Decomposition at the Riverwood Conservancy.

71. Romina Piunno  
    CPS Just Graduated  
    Impact of the Beaufort High on Arctic Climate.

72. Jasmin Orr, Kyle Howard, Areeba Khan, and Jakob Thelen  
    Environnement 2nd, 3rd, 4th, 1st year  
    Do Invasive Earthworms Negatively Impact Salamander Abundance along the Credit River Forest?

73. Haley James  
    Psychology 4th Year  
    How Does Age Affect Children's Feelings of Similarity to the Opposite Gender?

74. Jarvaria Azam  
    Psychology 4th Year  
    Improving Metamemory Judgement for vVsual Working Memory Representations.

75. Jingyi Guo, Khoi Nguyen, Amanda Solaroli, and Leili Mollahassani-madjdabadi  
    Biology 3rd, 3rd, 3rd Year  
    Analysis of Students' Evaluations Using the Service Processing.

76. Konrad Wozniak  
    Bioinformatics 2nd Year  
    De novo Transcriptome Assembly of Populus Trichocarpa.

77. Guramritpal Aujla  
    Biology 4th Year  
    Aiding High School and Undergrad Students on Their Way to Success.

78. William Hunt  
    Music and Literature and Critical Theory 3rd Year  
    Phases of the Contemporary: Singularity – Resonance - Rhythm in the Same Time.

79. Simran Sharma  
    CPS 3rd Year  
    Synthesis of Lithium Triazaadamantane.

80. Albert Tomchyshyn  
    Biology 3rd Year  
    Effects of Urbanization on Milkweed Pollinator Abundance and Diversity.