



Undergraduate Research Conference

SCHEDULE: Friday, January 25, 2019

Time	Location	Item
8:30am - 9:00 am	Sidney Smith LOBBY	Registration for Presenters
9:00 am - 10:00 am	SS1069 SS1070 SS1073 SS1087	Session I: Oral Presentations
10:00 am - 10:30 am	SS1069	Welcome Notes: Conference Directors and Dean Cameron
10:30 am - 11:00 am	SS 1069	Keynote Speaker: Professor Lynette Ong
11:00 am - 1:00 pm	Sidney Smith LOBBY	Session II: Poster Presentations
12:30 pm - 1:30 pm	SS1069 SS1073 SS1074 SS1083	Session III: Oral Presentations
1:00 pm - 3:00 pm	SS 1070	Session IV: Oral Presentations

Itinerary: Topics of Presentation

8:30 am - 9:30 am Registration

9:00 am - 10:00 am Session I
Bodies in History (SS1069)
Animal Research (SS1070)
Society & Institutions (SS1073)
Cancer Research (SS1087)

10:10 am – 11:00 am Welcome Notes by:
Conference Coordinators
David Cameron, Dean of Faculty of Arts & Science

Keynote Presentation: Professor Lynette Ong

11:15pm – 1:00pm Session II
Poster Board Presentations (SS Lobby)

12:30 pm – 1:30 pm Session III
History Through Narrative (SS1069)
Women (SS1073)
Nationhood & Identity (SS1083)
Literature (SS1069)

1:00 pm - 3:00 pm Session IV
Sciences (SS1070)

Session I: 9:00 am - 10:00 am

Bodies in History – Room SS1069

Room Moderator:

9:00

Male Maleficium: Sex, Power, and Male Witchcraft in Early Modern Germany
Grace Egan, *Peace, Conflict & Justice, History, Political Science*

9:15

When is a Landscape like a Contemporary Body?
Emily Fu, *History of Art*

9:30

ULTRA's impact on Allied decision-making during WWII
Peter Koutsis, *Political Science & History*

Animal Research – Room SS1070

Room Moderator:

9:00

Characterizing the function of the small GTPase Rab25 in zebrafish epiboly by gene knockout using CRISPR-Cas9
Tianhui Chen, *Cell & Systems Biology*

9:15

Food preference among ants and possible fitness repercussions regarding ant-plant mutualisms and herbivory rates in Peru's Amazon rainforests
Xinhe (Angela) Gu, *Ethics, Society, and Law (major), Environmental Biology (minor), French Studies (minor)*

9:30

What's the point? Domestic dogs understanding of the accuracy of human social cues
Madeline Pelgrim, *Psychology and Biology*

Society & Institutions – Room SS1073

Room Moderator:

9:00

Do children selectively trust informants based on their self-knowledge?

Jing Yi Wang, *Molecular Genetics and Microbiology and Psychology Majors*

9:15

Let's Think About Death: Reconciling the Contradictory Effects of Mortality Salience and Death Reflection

Hannah Cho, *Cognitive Science & Neuroscience*

9:30

Dynamics of Crime Spread Across a Network of Regions

Sneha Dasgupta, Heet Gala and Syeda Saira Rizvi, *Mathematics & Statistics; Mathematics & Economics; Mathematics & Statistics*

9:45

The Impact of Criminalizing the Purchase of Sex Work: The Health of Sex Workers

Jessica Kim, *Criminology & Sociology*

Cancer Research – Room SS1087

Room Moderator:

9:00

The Effects of Metformin on the Adipocyte-Ovarian Cancer Microenvironment

Elina Kadriu, *Developmental Biology*

9:15

Early Stage Lung Cancer Detection: Training a Convolutional Neural Network with Patches from Synthetic Frontal Chest Radiographs

Alex Chang and Abhishek Moturu, *Computer Science*

9:30

$\gamma\delta$ T-cell immunotherapy as a novel treatment option in Hepatocellular Carcinoma

Rutvij Khanolkar, *Immunology*

Session II: 11:15 am - 1:00 pm

Poster Presentations – Room Sidney Smith LOBBY

Microplastics in the diet of an obligate piscivore, double-crested cormorants (*Phalacrocorax auratus*), in a freshwater ecosystem

Cole B. Brookson, *Ecology & Evolutionary Biology*

Reprogramming astrocytes into oligodendrocyte progenitors cells to ameliorate multiple sclerosis

Alexandra Krassikova, *Neuroscience*

Glycosylation-mediated suppression of HBV-specific T-cell function in chronic hepatitis B patients

Seungwoo Lee, *Immunology (major), Molecular Genetics and Microbiology (major)*

Rational Synthesis and applications of Cu nanowires: stretchable/revisable metal surface hydrophobic/hydrophilic modifiers

Yinan Liu, *Material Science and Engineering*

The Spatial Variation of IBD-Related Surgeries in Ontario

Jordan LoMonaco, *Statistics*

"Crisis", Public Space, and City Building: The Redevelopment of Moss Park

Nikki Pagaling and Keisha St. Louis McBurnie, *Subject post*

Translation and study of a shabti of Senkamanisken from the Royal Ontario Museum

Evelyn Ulliyott-Hayes, *Near and Middle Eastern Civilizations*

Emoticons: Shaping the communication landscape

Kristina van Veen, *Human Geography Major; Book and Media Studies and Material Culture Minors*

Human Influence on Tropical Understory Herbivory

Sebastian Warma, *Neuroscience (Major), Economics (Major)*

Session III: 12:30 pm - 1:30 pm

History Through Narrative – Room SS1069

Room Moderator:

12:30

“Chaos reigned where only good order should have held sway”: Moral Injury in World War I soldiers’ writing

Aidan Gowland, *Double Major in History and Political Science*

12:45

American Foreign Policy in the Middle East: Conditions for Shuttle Diplomacy, 1969 – 1974

Angus Lee, *History Specialist*

1:00

Close Reading COINTELPRO Documents

Talise Beveridge, *English and History Majors, American Studies Minor*

Women – Room SS1073

Room Moderator:

12:30

Women on the Move; Intersections of Statelessness, Dehumanization, and Gender-Based Security

Kassandra Neranjan and Sakshi Shetty, *Peace Conflict & Justice, International Relations; Health & Disease, Immunology*

12:45

A Systematic Literature Review of Physical Activity-Based Health Programs for Indigenous Women: Impacts On Physical Activity Levels, Obesity, and Community Building

Elsy Willis, *Neuroscience Major, Spanish Minor, Sociology Minor*

1:00

The Changing Role of Women through the Lens of Ancient Amazons and Modern-Day Wonder Woman

Mercedes Eileen Villanueva, *Linguistics & History of Art*

Nationhood & Identity – Room SS1074

Room Moderator:

12:30

Divergences in North American Indigenous Policy in the 1930s: The American Indian New Deal and Canadian Aboriginal Assimilation

Enza Gurgis, *Political Science and History*

12:45

The Creation of the Precarious Status: *Connections of Securitization, Neoliberalism and Capitalism*

Neha Moharir, *Equity Studies, Women and Gender Studies*

1:00

Más allá del supermercado: Language Attitudes of Chinese-Argentine Youth

Gregory Antono, *Linguistics, Spanish and Latin American Studies*

1:15

The Belize-Guatemala territorial dispute and the Maya communities of southern Belize

Ibnul Chowdhury, *Economics; Peace, Conflict & Justice Studies*

Literature – Room SS1083

Room Moderator:

12:30

“A Wonderful Collaboration”: Sacred and Secular Time in the Novelistic Narrative and the Limits of Critique

Maral Attarzadeh, *Literature & Critical Theory, German*

12:45

Fifty Shades of Communication

Katrine Czajkowski, *Book and Media Studies; Semiotics and Communication; Writing and Rhetoric*

1:00

Affect and Agency in Cicero's Letters to Tiro

Kenneth Kim, *Classical Languages*

1:15

Renaissance Apocalypticism: Narrative Building in *The Prince*

Madeleine Sheahan, *History and Renaissance Studies*

Session IV: 1:00 pm – 3:00 pm

Sciences – Room SS1070

Room Moderator:

1:00

Scientonomy: The Science of Science

Patrick Fraser and Ameer Sarwar, *Physics and Philosophy Specialist, Mathematics Major; Philosophy Specialist and History and Philosophy of Science Minor*

1:15

Incidence of Hypertension in Pediatric Non-Renal Solid Organ Transplant Recipients

Aleksandra Stojanova, *Human Biology*

1:30

Comparison of DNA injury resulting from nuclear medicine scans, alcohol, and sugar consumption: Which activity is worse for your DNA?

Aren Mnatzakanian, *Human Biology*

1:45

Weaving the Fabric of Football: How Vector Fields and Fractal Dynamics Structure Patterns in Team Movement and Performance

Abdullah Zafar, *Mathematics and Physics*

2:00

Quantum Imaging and Representation

Patrick Fraser, *Physics and Philosophy Specialist, Mathematics Major*

2:15

Elucidating the molecular mechanism of a disease-causing bacterial protein

Huazhu Liang, *Biochemistry*

2:30

A Brave New World: Modern Technology in the Study of Embryonic Development

Dina Issakova, *Bioinformatics and Computational Biology*