# PROGRAMME

**8:00 am**  
**Registration and Poster Set-up**  
**IGAB Atrium**

**9:00 am**  
**AHB 2B02**  
**Opening Remarks:**  
*Jina Kum, Academic Committee Co-chair*

**Oral Presentations:**

- The Effects of Intrauterine Growth Restriction (IUGR) on the Pulmonary Surfactant and Lung Injury  
  *Reza Khazaee*

- Pulmonary surfactant fortified with Cath-2 as a novel therapy for bacterial pneumonia  
  *Brandon Baer*

- Parental quality of life 10 years after their child’s epilepsy diagnosis  
  *Klajdi Puka and Kathy Nixon Speechley*

- The Impact of Various Predator Perceptions on Stress Response and Spatial Memory in Birds  
  *Chlöe S. N. Carter*

- A Novel Hybrid Imaging System to Aid in Surgical Decision Making  
  *Lawrence Yip*

**10:15 am**  
**Refreshment Break**
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*Yimin Chen*                                                                |
| 11:00 am| Keynote Address                | AHB2B02        | Leadership and Research in Turbulent Times: Why They Matter for Democracy  
*Dr. Pam Bishop*, Faculty of Education                                           |
| 12:00 pm| Lunch Break                    | Grad Club      |                                                                                                                                         |
| 1:15 pm | Open Access: What’s in it for me?| Chu Centre  | Local Actions/Global Implications: Economic and Social Impacts of Open Access Publishing  
*Calin Murgu*, MLIS Candidate                                                    |
|         |                                |                | Rights Well: Understanding Your Rights as an Author  
*Kristin Hoffman*, Associate Librarian                                            |
|         |                                |                | Practicing Open Science  
*Dr. Lorne Campbell*, Dept. of Psychology                                          |
| 2:00 pm | Poster Presentations           | IGAB Atrium    |                                                                                                                                         |
| 3:30 pm | Awards Ceremony and Closing Remarks | IGAB Atrium |                                                                                                                                          |
YOUNG RESEARCHER KEYNOTE


Yimin is a PhD Candidate in the Faculty of Information and Media Studies. Driven by a long standing fascination with the internet and its communities, cultures, and quirks, his thesis research revolves around internet trolls and trolling. He has also written about chatbots in libraries, digital literacies, and fake news. Yimin is also a member of Gradcast, a weekly radio program on CHRW that highlights the work of graduate students at Western.
Engaging in leadership and research can be complex work in the best of times—for graduate students and professors alike. During times of conflict, confusion, or disorder, the nature of our leadership or research contributions can be additionally shaped or tested in ways that require highly astute responses.

Sound leadership and research are part of what underpins the fuller functioning of a democracy, whether manifest in a community, university, or workplace setting.

Most students who graduate will be well positioned to take up careers where they provide leadership and create or use evidence in concert with others, over the coming decades.

The presentation will examine these propositions and canvass several leadership principles that may be useful for students to apply when navigating turbulent times in work or other settings.

Dr. Pam Bishop is currently Associate Dean, Graduate Programs, and Associate Professor, Educational Leadership, in the Faculty of Education, at Western. Earlier positions include Associate Professor, Educational Leadership, University of Calgary; Director, Professional and Continuing Education and Senior Research Fellow in the Faculty of Education, University of Tasmania, Australia, teacher, curriculum consultant, and school principal. Her research interests include successful leadership in high-poverty schools, organizational change, and ethical and moral leadership.
<table>
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<th>POSTER PRESENTATIONS</th>
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| **P01** | Examining the Community Food Environments for Elementary School-Aged Children in the City of London and Middlesex County, Ontario.  
*Catherine DuBreck* |
| **P02** | Production of a Protein Subunit Vaccine for Mannheimia haemolytica in Lettuce Chloroplasts.  
*Coby K. Martin* |
| **P03** | Role of Prefrontal Cortical Dopamine Transmission in Post-Traumatic Stress Disorder and Opiate Addiction Vulnerability.  
*Jingjing Li* |
| **P04** | Settlement Information Needs and Services: A Pilot Study with Bangladeshi Immigrant Women in Canada.  
*Nafiz Zaman Shuva* |
| **P05** | Team Interdependence: Construct and Measurement Challenges.  
*Natasha E. Ouslis, Natalie J. Allen, PhD.* |
| **P06** | The Western Archive of Dialects and Languages.  
*Michael Iannozzi* |
| **P07** | Characterizing the Purple Crow Lidar to Investigate Potential Sources of Wet Bias.  
*Jeffrey VanKerkhove, Robert J. Sica, Robin Wing, Steve Argall* |
| **P08** | Unravelling Organelle Genome Evolution Architecture Using RNA-sequencing Data.  
*Matheus Sanita Lima, David Roy Smith* |
| **P09** | Bearing Witness: Auto/biographical Portraiture as Testimony.  
*Gina Snooks* |
| P10 | Road Cracking Area Percentage Evaluation Using Airborne Hyperspectral Imagery.  
     | Boyu Feng |
     | Melanie McPhail |
| P12 | The Influence of Leader-Member Exchange and Structural Empowerment on Nurses Perception of Patient Safety Climate.  
     | Adam Morse, Carol A Wong, Heather K Spence Laschinger |
| P13 | Wagner's Use of the Formal Lament for King Mark in Tristan und Isolde.  
     | Julie Anne Nord |
| P14 | Estimating the Effects of File-sharing on Movie Box-office.  
     | Zhuang Liu |
     | Christina Iannozzi |
     | Shayamila N. Mahagammulla Gamage, Robert Sica, Alexander Haefele |
| P17 | P3b Event-related Potentials Show Changes in Varsity Football Players Due to Accumulated Sub-concussive Head Impacts.  
     | Jeffrey S. Brooks, James W. Thompson, James P. Dickey |
| P18 | Backstroke Start Performance: The Impact of Using the Omega Backstroke Ledge.  
     | Gordon E. Barkwell, James P. Dickey |
P19  Head Impacts in Youth Soccer are Comparable to American Football.
Alexandra B. Harriss, Aakash Naik, Dave Walton, James P. Dickey

P20  The Intersection of Medical Assistance in Dying and Social Work Practice.
Amanda M. Cramm

P21  Knowing Institutions or Knowing Co-Citizens: Two Understandings of Information Literacy and Citizenship.
Martin Nord

P22  Prognostic Predictive Model for the Development of Osteoarthritis using Electronic Medical Record Data.
Jason E. Black

P23  Elucidation of the Signaling Pathway of MERTK.
Kyle Taruc

P24  The Birds and the Beats: Perception of a Beat in an Avian Model.
Brendon Samuels

P25  Psychological Well-Being in Sport: Examining the Construct Validity of a Modified Version of the Scales of Psychological Well-Being.
Despina Kouali, Craig Hall, Paige Pope

P26  Global Exponential Stabilization on SO(3).
Soulimane Berkane

P27  Acute Impact of an Extremely Low Frequency Magnetic Stimulus on Human Neurophysiological Function - Magnetophosphene perception.
Cadence M. Baker
|      | *Jennifer Shaw* |
| P29  | Basic Skills or Major-Specific Knowledge? Sources of Wage Penalties for Working Outside the Major Field of Study.  
|      | *Yuki Onozuka* |
|      | *Daphne Hui* |
| P31  | Assessing the Long Term Effects of Perceived Predation Risk on the Avian Brain.  
|      | *Lauren E. Witterick* |
| P32  | Altered Sensory Processing in Response to Novel DREADD-induced Inactivation of GABA in Pedunculopontine Tegmental Nucleus.  
|      | *Niveen Fulcher* |
| P33  | Design and Evaluation of an Escherichia coli Biomarker for Indication of pH.  
|      | *Kevin X. Zhou, Luana Langlois, Ashmita Singh, John Prince* |
| P34  | The Effects of Standing Desks on Classroom Performance of University Students.  
|      | *Siobhan Smith* |
| P35  | Investigating the Effect of Maternal Immune Activation on Sensory Filtering, Social Behaviour and Attention.  
|      | *Faraj Haddad* |
Campus Map

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Map adapted from:
Academic Committee
2016-2017

Members:

Lenny Guizzetti (VP Academic)  Claire Burrows
Ysabel Domingo (Co-Chair)    Ariel Frame
Jina Kum (Co-Chair)           Felipe Del Campo Donoso
Chandell Gosse                Misbah Salim
Victoria O’Meara              Samantha Nesrallah
Hadir AlQot                  Mahsa Bataghva Shahbaz

We would like to thank:

SOGS Executive Committee
SGPS, especially Katie Merchant
Grad Club, especially Marc Lalonde
GradCast Radio

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