



UNIVERSITY OF WINDSOR



PROGRAM

CAW STUDENT CENTRE AND DILLON HALL

FRIDAY, MARCH 31, 2017

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U Will Discover!

March 31, 2017 Ambassador Auditorium and Dillon Hall

SCHEDULE AT A GLANCE

Registration and Morning Refreshments	8:30 – 9:00 am	Salon A+B, CAW Commons
Concurrent Sessions	9:00 – 10:20 am 10:30 – 11:50 am	Salon A+B, and Salon C, and Dillon 361 Salon A+B, and Salon C
Keynote Panel and Lunch	12:00 – 12:55 pm	Ambassador Auditorium
Poster Session	1:00 – 2:00 pm	CAW Commons
Concurrent Sessions	2:00 – 3:20 pm 3:30 – 4:50 pm	Salon A+B, and Salon C, and Dillon 355 Salon A+B, and Salon C
Conference Reception	5:30 – 7:00 pm	Salon A+B

WE'RE WIRELESS!

The University of Windsor has wireless capability across campus.

Please select the “**uwindsorsecure**” network by using the following:

User: **uwill2017**

Password: **Research1**

ACKNOWLEDGEMENTS

This conference has received generous financial support from:

Office of the President
Office of the Provost
Office of the Vice President, Research and Innovation
Office of the Vice President Student Experience
Faculty of Arts, Humanities, and Social Science
Faculty of Education
Faculty of Engineering
Faculty of Human Kinetics
Faculty of Law
Faculty of Science
Leddy Library
Odette School of Business
EPICentre

The conference organizers thank these offices and administrators for the vision this financial support expresses.

Special Thanks To:

Alan Wildeman, President and Vice Chancellor
Douglas Kneale, Provost and Vice President, Academic
K.W. Michael Siu, Vice President, Research and Innovation
EPICentre – Francine Schlosser
EPICentre – Wen Teoh, Mike Polychuk
Eigen Ads – Connor Holowachuk, Stan Amyotte
Media and Educational Technologies, ITS – Stephanie Parent, Tory James, Xay Tang
Schulich Windsor School of Medicine and Dentistry – Nicole Sbrocca
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Humanities Research Group – Erica Stevens Abbitt, Yvonne Zimmerman
Printshop – Luc Quenneville, Jen Almeida, Scott Thorpe
The Coffee House Combo – Austin DiPietro, Sebastian Bachmeier, Marko Rozic, and Andrew Adoranti
Accommodations Advisor – Evelina Baczewska

Thanks to our Windsor-Essex community contributors:

Fiat Chrysler Automobiles of Canada – Joanne Bourque, Louanne Gosselin
UBK Productions

Particular thanks to our student conference leaders:

Submission and Review Coordinator – Emily Kogel
Social Media Coordinator – Jake Frank

Warm thanks to our many student volunteers!

As we worked to prepare this year's UWill Discover Conference the organizing committee has shared a sense of excitement and anticipation. Students from a wide selection of majors across our campus have undertaken research and creative projects, and are eager to share their experiences with the campus community. We have the privilege of providing a showcase for their work, but truly, this day is a celebration of their discoveries and achievements. Undergraduate research is playing an increasingly significant role on our campus. This year's conference has enjoyed remarkable growth in participation, and so it offers us an especially rich selection of student work to appreciate. We are glad you are here to share this day with them.

"Sometimes discovery is about the world all around us, but sometimes it's about our own interiority, what it is that makes us human," as Douglas Kneale observes in his recorded opening talk. Our knowledge and discoveries are like mirrors. Looking at those experiences with wonder and surprise, we see unexpected aspects of ourselves, whether we are psychologists, scientists, engineers, or poets.

UWill Discover is a collaborative effort of many University of Windsor offices: the Outstanding Scholars Program, the Office of Research and Innovation Services, the Leddy Library, the Centre for Teaching and Learning, the EPICentre, and Public Affairs and Communications. This year we also are grateful for the collaboration of Fiat Chrysler Automotive of Canada, and a University of Windsor student startup, Eigen Ads, who together have helped us promote the conference. This conference is truly a team effort, and there are many, many people deserving of our thanks.

The conference aims to develop student curiosity for research, and skills in critical and creative thinking, project management, and communication, by providing high-quality research experiences to undergraduates. We offer our students the opportunity to express their excitement about what they have discovered, and we are grateful for the broad support we have enjoyed from the University's many faculty research supervisors, who have led these students in their research work.

We welcome your participation in the conference, and we hope you will share your experience with us, through the response survey at the back of this program. As an audience member, you too are on a journey towards discovery. Please tell us – what have you discovered today?

ORGANIZING COMMITTEE:

Simon du Toit, Outstanding Scholars, Conference Chair
Tim Brunet, Public Affairs and Communications
Amy Davie, Office of the Vice-President, Research and Innovation
Dave Johnston, Leddy Library
Lori Lewis, Office of Public Affairs and Communications
Nicole Noël, Office of Research and Innovation Services
Mike Polychuk, EPICentre
Jessica Raffoul, Centre for Teaching and Learning



Dr. Susan Larson, Council on Undergraduate Research, Washington D.C.

Dr. Susan Larson (BA, Univ. of Manitoba; PhD, McMaster University) is a Professor in the Psychology Department at Concordia College in Moorhead, MN. She has served as the director of Undergraduate Research, Scholarship from 2009-2015 and currently, she serves as the Division Chair for Sciences and Mathematics. She also serves as the 2016-2017 President of the Council on Undergraduate Research (CUR) and with colleagues from the CUR, she co-authored *Characteristics of Excellence in Undergraduate Research* (CUR, 2012). Larson engages students in undergraduate research through course-embedded research experiences in her Research Methods and Learning and Behavior courses. She also supervises students in her laboratory on research projects that include the investigation of behavioral and cognitive changes associated with immune system activation and analysis of variables affecting motor learning. Recently, Larson has begun working with undergraduates on projects in the Scholarship of Teaching and Learning, investigating student participation in the classroom.

Concurrent Sessions

Session 1	9:00-10:20	Ambassador Auditorium Salon A+B
Clock Work: The Role of the Circadian Clock in Colorectal Cancer		
Celina DeBiasio		
Can Dandelion Root Extract be used to bypass the occurrence of resistance in human lymphoma cells?		
Rabia Hadi		
Novel Biomarkers for Prostate Cancer Progression		
John Kelly		
Exploring the Efficacy of Sage Ethanolic Extract on Lymphoma Cell Lines		
Christopher Nguyen		
A comparative analysis of wellness in Canadian cities: More alike than different		
Rebecca Pschibul, Jenessa Shaw, and Jasmine Savage		

Session 2	9:00-10:20	Ambassador Auditorium Salon C
Filtering the truth on Instagram: Exploring #nofilter images when a filter has in fact been used, a mixed methods approach using Netlytic and photo analysis		
Paige Coyne and Sara Santarossa		
A Plea for Privacy: A Call to Preserve Ontario's Protection Against Revenge Porn		
Francesca D'Aquila-Kelly		
And Still We Laugh		
Gordon Grisenthwaite		
Mapping the Toronto Theatre Blogosphere		
Emma-Nicole Robert, Avery MacDonald, Bry-Anne Edwards, Flora Janos, Julia Belton, Sahanan Mansoorie, and James Monminie		
"Getting over it" versus "building/continuing a relationship": Discourse analysis of text regarding the bereavement process		
Miranda Sheftel, Amy Alberton		

Session 3	9:00-10:20	Dillon Hall Room 361
Time Will Tell: The Involvement of the Circadian Clock in Colorectal Cancer		
Abrial Cooke		
Mechanical Transduction of a Single Cell: Possible Applications for 3D Printed Lab-on-a-Chip		
Julia Pignanelli		
A Study of Structure and Dynamics in Hydrated Active Pharmaceutical Ingredients		
Natan Veinberg		
Does the frequency of male vocalizations influence mate choice in female Yellow Toads, <i>Incilius luetkenii</i>?		
Justine Vermey		

Demonstration	9:00-12:00	Ambassador Auditorium Balcony Lounge
Interactive Fiction as a Model for Accounting Education		
Austin Dowhan		

Session 4	10:30-11:50	Ambassador Auditorium Salon A+B
Coring Lake Fuxian: A Passageway to Key Paleoclimatic Records		
Mariam Ageli		
Artificial light and its effect on bird migration: insights from concurrent acoustic and radar monitoring		
Justin Johnson		
#orthorexia on Instagram: Exploring the online conversation and community using the Netlytic software		
Jillian Lacasse and Sara Santarossa		
Early nutritional stress and iridescent structural colour production in adult European Starlings, <i>Sturnus vulgaris</i>: does early stress adversely influence plumage colouration?		
Puja Laroia		
The Oxidation Chemistry of Low Valent Phosphorus		
Maxemilian Nascimento		

Session 5	10:30-11:50	Ambassador Auditorium Salon C
How we feel and what we need: Emotional arousal and emotional processing in a two-chair intervention for self-criticism		
Stephanie Nardone		
Narcissism, psychopathy, and sexually coercive behaviours among university students		
Rebecca Pschibul		
Adverse childhood experiences, attachments in childhood and adulthood, and psychological wellbeing in adulthood		
Chelsea Reaume		
Investigating Academic Timing and the Relative Age Effect in Interuniversity Volleyball		
Sabrina Safranyos		
The Impact of Social and Material Inequities on Health Care		
Kristen Yzerman		

Lunchtime Keynote	12:05-12:55	Ambassador Auditorium
Why Undergraduate Research?		
Dr. Susan Larson, President, Council on Undergraduate Research. Professor, Department of Psychology, Division Chair, Sciences & Mathematics, Concordia College, Moorhead, Minnesota		

Poster Presentations	1:00–2:00	CAW Commons
English as a Second Language: How Can Drama Help?		
Ashley Baez Abreu and Arnay Avdic		
Leveraging Olympic Sponsorship to Engage Employees: Evaluating Employee Engagement Tactics within the Canadian Tire Corporation		
Linda Aziz		
No Speak, No Hear, No See: Improving Warning Systems for Rip Currents on the Great Lakes		
Hannah Burdett		
Reversing the Resource Curse in Angola		
Lesleigh Cameron		
Mathematical Model for finding Locations and Sizes of Company Warehouses		
Michelle Caruso, Benjamin Cheng, and Jordon Kiss		
Supramolecular Self-Assembly of Conjugated Polymers for Electronic Applications		
Brynn Charron and Michael Ocheje		
Agenda setting at the municipal level: A comparison of strategies in two campaigns to increase wage standards in a mid-size Canadian city		
Linda Coltman		
Football and Federal Elections: Real World Statistics in Action		
Alexander Cramer and Rebecca Pschibul		
Iliac crest and greater trochanter soft tissue thicknesses of living people from whole body DXA scans		
Zoe Ellis and Danielle Gyemi		
Self-Destructing Polymers: Creating Thermally Sensitive End-Caps		
Rose Fayoumi		
How does drama affect emotional well-being when comparing beginners to more experienced drama practitioners?		
Marisa Hachey, Dalton Mugridge, and Mary Mukhtarian		
Ring-Size Effects on structures and properties of benzo-fused dithiazolyl radicals		
Mohamad Harb		
Dandelion Root Extract Sensitizes Leukemia Cells to VP-16 Induced Cell Death		
Saniya Jain		
Beach User Perceptions of the Rip Current Hazard on the Great Lakes		
Summer Locknick		
Computation Insights into the Amino Acid Activation by Class I TrpRS and GluRS and Class II AspRS		
Johnny Luo		
Busted		
Nicole Lynch		
Identifying Beach and Nearshore States at “Hot Spot” Drowning Locations in the Great Lakes		
Anthony Olivito		
Attachment and Emotion Regulation as Facilitators of Post Traumatic Growth		
Holly Peyton		
Are We There Yet?		
Jade Poole and Kayla Bacon		
A peer mentoring initiative developed to engage and mentor peers to decrease OSCE anxiety and encourage strong health assessment techniques		
Melanie Renaud, Destiny Cadarette, and Jordan Sands		
Mental Illness in the Drama Classroom: Not Just Stage Fright		
Liesel Ricker and Jordan Arsenault-Kivell		
Murdered and Missing Indigenous Women in Canada and Governmental Response		
Kiera Royle		
Project RipCuRe		
Alexandra Scaman		
Women Dealing with Shame through Story, Dialogue & Drama Techniques		
Natalie Steiner		
Spatial and Temporal Variation in Drownings on the Great Lakes: 2010-2016		
Brent Vlodarchyk		

Session 6	2:00–3:20	Ambassador Auditorium Salon A+B
Towards the Synthesis of an Acetyl Free TF Antigen		
Advait Desai		
Cell Size Regulation by a New Cell Cycle Checkpoint: Characterization of clinically relevant Tuberin Mutants		
Melanie Grondin and Elizabeth Fidalgo Da Silva		
Exploiting the Complexity of Lemongrass and Hibiscus Extracts in Developing Potent Anti-Cancer Agents		
Emily Kogel		
Testing MacArthur's Latitude-Niche Breath Hypothesis on Sharks from the Poles to the Equator		
Julia Petta		
Session 7	2:00–3:20	Ambassador Auditorium Salon C
A Multidisciplinary Approach to Meet the Legal Needs of Intellectual Property Start-Ups		
Julian Franch		
Duty of Transnational Oil Corporations in Relation Harm Caused in Countries of Operations: Alternative Mechanism for Effective Compensation		
Ismail Salih		
Examining Value in Co-Creation in the Digital Era		
Laura Tetrault		
Composite Index Creation Using AHP: Efficiency Optimization for the Health Care Industry		
Andrea Yzeiri		
Session 8	2:00–3:20	Dillon Hall Room 355
Seeing It through My Eyes and Remembering It My Way: Transformative Life Event Memories in Young and Midlife Adults with Early-onset Blindness		
Peiwen (Lily) Cao		
Effect of Psychological Stress on Reading Efficiency		
Carly Charron		
A Path to an Inertial-Based Stand-Alone Pedestrian Navigation System		
Joshua Jaekel		
Unaccompanied Minor Migrants		
Julianna Schiller		
Session 9	3:30–4:50	Ambassador Auditorium Salon A+B
Developing Cancer Biology Pedagogy through Student-Faculty Partnerships		
Rachel Andrews, Melanie Grondin, Yucca Albano, and Youshaa El-Abed		
The Role of the Skp2-CyclinA Interaction in Drosophila Cell Cycle Regulation		
Kawmadi Abeytunge		
Targeting the Novel Cell Cycle Regulator, Spy1, for Treatment of Medulloblastoma		
Philip Habashy		
Inclusion of Thiazyl and Selenazyl Radicals in MIL-53(Al)		
Nadia Stephaniuk		
Synthesis and Characterization of Immunologically Active Glycosphingolipids Isolated from <i>S. pneumoniae</i>		
Greg Yousif		

Session 10	3:30–4:50	Ambassador Auditorium Salon C
Self-Destructing Polymers: Creating Thermally Sensitive End-Caps		
Rose Fayoumi		
“I see, I remember, I do, I understand:” Narratives of Empathic and Non-Empathic Experiences in Aboriginal Youth Justice: The Need for Consistency in Gladue Application for Youth Bail Decisions		
Safiyah Husein		
Functioning vs Flourishing: The Role of Emotional Intelligence and Hardiness in the Complete State Model of Mental Health		
Patrick Ng		
“I see, I remember, I do, I understand:” Narratives of Empathic and Non-Empathic Experiences in Everyday Life		
Rachel Plowman		
Unveiled Muslim Women and Intersectionality within Windsor’s Muslim Community		
Dhouha Triki		

EPICentre Closing Reception	5:30–6:30	Ambassador Auditorium Salon A+B
The Coffee House Combo		
Greeting – Simon du Toit		
Closing Remarks – Alan Wildeman		
Reception Host Greeting – Wen Teoh, EPICentre		
Schulich Windsor Opportunities in Research Program announcement – Nicole Sbrocca		
UWill Discover Prizes – K.W. Michael Siu		
Closing Remarks – Simon du Toit		



March 31, 2017 Ambassador Auditorium, CAW Student Centre and Dillon Hall

CONFERENCE FEEDBACK

Please provide us with ratings and feedback to help us plan for future conferences.

To be entered in a draw for a \$50 prize, please enter your email address: _____

Administration	Poor			Excellent		
Online Proposal System	1	2	3	4	5	N/A
Conference Website	1	2	3	4	5	N/A
Staff and Volunteer Assistance	1	2	3	4	5	N/A
Conference Program	1	2	3	4	5	N/A

Conference Sessions	Poor			Excellent		
Concurrent Sessions Overall	1	2	3	4	5	N/A
Keynote Panel	1	2	3	4	5	N/A
Poster Session	1	2	3	4	5	N/A

My "Audience Favourite Presentation" Nomination:

Session #: _____

Title: _____

Overall	Poor			Excellent		
Quality of the Conference	1	2	3	4	5	N/A

Additional Comments:

Please complete and tear off this page, and leave it at the **Registration Desk**, or mail to:

Simon du Toit, Outstanding Scholars

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