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## Welcome to the 12th Annual Undergraduate Research Conference at Nipissing University

*Research is to see what everybody else has seen, and to think what nobody else has thought.*

- Albert Szent-Györgyi

Conferences have a special role in academia. They are events at which new ideas get presented and debated. We learn from each other; those doing research in the same discipline, and those who come to the same debate from a different (inter)disciplinary perspective. Conferences are opportunities to test the strength of an argument and the evidence it is based on through a presentation or in a roundtable discussion.

This particular conference is also about celebration of undergraduate research, and I am pleased to announce that this is our biggest conference to date with over 120 participants. Here at Nipissing we work to create opportunities for our students to participate in, and develop their own, research projects from early on in their academic career. Research, the exploration of possibility, is the heart of the teaching and learning relationship around which the very institution of university is constructed.

I want to express my appreciation for all the students who have prepared their work for presentation at this conference, the faculty who have mentored their students in this process, and all those who have contributed to the organization of this exciting event. I hope you will enjoy the presentations and the conversations, make enduring connections, and have fun on our campus.

You are welcome to Nipissing, and I look forward to your conversations about “what nobody else has thought”! Have a great time!

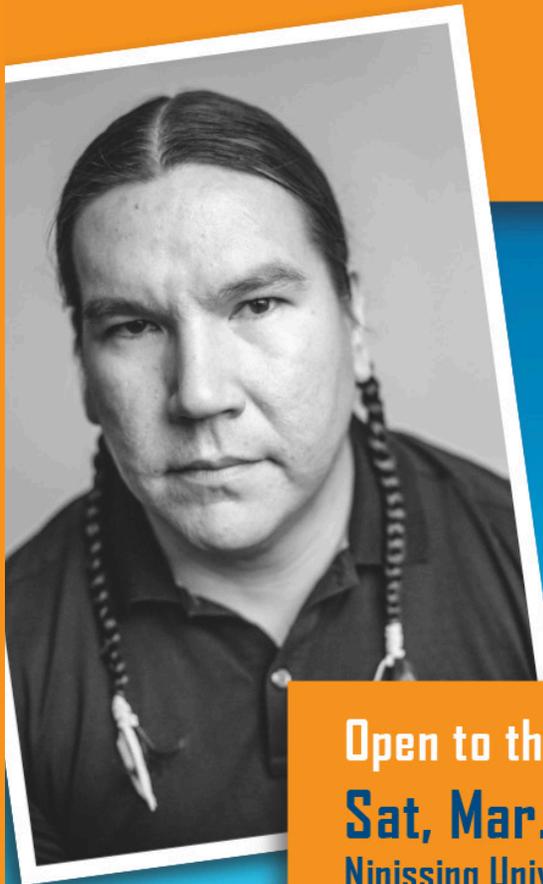
A handwritten signature in blue ink, appearing to read 'Arja Vainio-Mattila'.

Arja Vainio-Mattila  
Provost, VP Academic and Research

## KEYNOTE ADDRESS

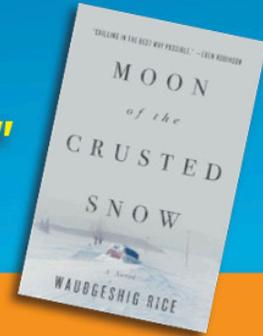
twelfth annual

# UNDERGRADUATE RESEARCH CONFERENCE



Interactive  
Book Reading

**Waubgeshig Rice**  
Author of  
"Moon of the  
Crusted Snow"



Open to the public.

**Sat, Mar. 23, 2019 | 1:15 to 2:45 pm**  
Nipissing University Theatre (F213)

A limited number of signed copies will be available for sale. \$15. Cash Only.

twelfth annual



# UNDERGRADUATE RESEARCH CONFERENCE

March 22+23, 2019

Nipissing University, North Bay



UGRC TEAM 2019 from left to right: Tzvetalin Vassilev, Tammie McParland, Emily Carlisle, Tatianna Webb, Ryrie Dirksen, Rebecca Dubeau, Nathan Kozuskanich, Stephen Connor

If you take a peek at the acknowledgments that appear on the next page you will see how many people it takes to make a conference like this a success. This conference is a university-wide effort, so thank you to everyone from the administration, faculty, and staff who worked to make it a success.

That being said, I would like to offer particular thanks to our Provost and Vice President Academic and Research, Dr. Arja Vainio-Mattila, and to Dr. Jim McAuliffe, Dean of Graduate Studies and Research. Both understand the value of research to the undergraduate experience here at Nipissing, and I appreciate the continued investment they have made in the conference. Without funding there would be no conference

I would also like to thank this year's UGRC Committee for the many, many hours they dedicated to the conference. I am particularly indebted to our graduate students who put together all the nuts and bolts to make everything run smoothly.

Finally, thank you to the students for sharing your research with us. Congratulations to you all!

Nathan Kozuskanich  
UGRC Committee Chair

## ACKNOWLEDGEMENTS

The UGRC Committee would like to thank the following people for their support:

Shawn Bester  
Laurel Bissonnette  
Nancy Black  
Kelly Brown  
Robert Brownlee  
Melissa Busschaert  
Cristin Christopher  
Patricia Czaikowski  
Mike DeGagné  
Ed Driedger  
Marg Foisy Iwanchun  
Greg Foster  
Len Gemache

Ian Hall  
Ryan Hehn  
Debra Iafrate  
Terry Kirkby  
Sandy Landriault  
Tanya Lukin-Linklater  
David Macpherson  
Jim McAuliffe  
Meagan McLellan  
Fran O'Donnell  
Andrea Parolin  
Cindy Peltier  
Carly Renaud

Paul Ritter  
Donna Robinson  
Dan St. Georges  
Emily St. Germain  
Darlene Stone  
Martee Storms  
Cheryl Sutton  
Carol Szabicot  
Sarah Taylor  
Pauline Teal  
Arja Vainio-Mattila  
Kevin Vibe

### Faculty Judges and Moderators

James Abbott  
Kyle Anderson  
Steven Arnocky  
Jane Barker  
Natalya Brown  
Amanda Burk  
Emily Carlisle  
Justin Carré  
Jeff Celentano  
Stephen Connor  
Tracey Curwen  
Hilary Earl  
Robin Gendron  
Christopher Greco  
Kirsten Greer  
Geoff Hartley  
Ali Hatef  
Dean Hay

Todd Horton  
April James  
Kristina Karvinen  
Rebecca Kasperavicius  
Serena Kataoka  
Benjamin Kelly  
Michael Kirk  
Aaron Kociolek  
Nathan Kozuskanich  
Christine Lalonde  
Manual Litalien  
Kristin Lucas  
Louella Manankil-Rankin  
Sarah Marinelli  
Gillian McCann  
Amber McCarthy  
Lindsey McMaster  
Tammie McParland

Kelly Morris  
Dana Murphy  
An Nguyen  
Peter Nosko  
Margaret Owens  
Tony Parkes  
Laurie Peachy  
Cindy Peltier  
Gyllie Phillips  
Marc Plamondon  
Sal Renshaw  
Matti Saari  
Katrina Srigley  
Ihor Stasyuk  
David Tabachnick  
Leslie Thielen-Wilson  
Eric Weichel  
Sarah Winters

**Thank you to all the faculty who involved students in your research, encouraged them to apply to the conference, put together panels, and promoted free inquiry as an essential element of the university.**

# 12th Annual Nipissing University Undergraduate Research Conference

## Program at a Glance

### Friday March 22, 2019

Time	Program	Location
3:00-6:00	<b>Registration</b>	NU Cafeteria A246 Hallway
6:00-6:30	<b>Opening Remarks</b> Jim McAuliffe Dean, Graduate Studies and Research	NU Cafeteria A246
6:30-8:00	<b>Concurrent Panels (Session 1)</b>	
	1. Boots on the Ground	A224
	2. Into the Wild	A226
	3. Indigenous Concerns in the Social Welfare Field	A257
	4. Experiential Learning Roundtable 1: Warpath Study Tour	A259
8:00-10:00	<b>Poster Session</b>	Thompson Reading Room, Library
8:00-10:00	<b>Art Installations</b>	2nd floor, Library
8:00-10:30	<b>Reception</b>	Atrium, Library

### Saturday March 23, 2019

Time	Program	Location
8:30-noon	<b>Registration</b>	NU Cafeteria A246 Hallway
8:30-9:00	<b>Morning Coffee</b>	NU Cafeteria A246
9:00-10:30	<b>Concurrent Panels (Session 2)</b>	
	5. War and the Media	A224
	6. Women Gazing, Men Gazing, and Powerful Bodies: Sexual Politics in Music Videos	A226
	7. Government and Governance	A257
	8. Consumption, Community, and Capitalism.	A259
	9. Biomechanics and Ergonomics	B211
10:30-10:45	<b>BREAK</b>	NU Cafeteria A246
10:45-12:15	<b>Concurrent Panels (Session 3)</b>	
	10. Why Create, Why Remember?	A224
	11. Do You Write Your Writing or Does Your Writing Write You? The Art and Science of Writing	A226
	12. Women's Bodies	A257
	13. Mapping and Modelling	A259
	14. Biomedical Breakthroughs	B211
	15. Something for Everyone	B208
12:15-1:15	<b>LUNCH (provided for registered participants)</b>	NU Cafeteria A246
1:15-2:45	<b>Interactive Book Reading with Waub Rice</b>	Nipissing Theatre (F213)
2:45-3:00	<b>BREAK</b>	NU Cafeteria A246

**3:00-4:30**

**Concurrent Panels (Session 4)**

- |   |      |
|---|------|
| 16. War and the Home Front                                    | A224 |
| 17. People Power: Nonviolent Struggle in the Past and Present | A226 |
| 18. Roundtable on Experiential Learning 2: Going Zero Waste   | A257 |
| 19. Mentorship and Best Practice in Nursing                   | A259 |
| 20. Reconsidering Representations                             | B211 |

**4:30-5:30**

**Closing Ceremony and Prizes**

NU Cafeteria A246

**Friday March 22, 2019**

**3:00-6:00 Registration NU Cafeteria A246**

**6:00-6:30 Opening Remarks Nipissing Theatre F213**

Jim McAuliffe  
Dean, Graduate Studies and Research

**6:30-8:00 Concurrent Panels (Session 1)**

**#1 Boots on the Ground A224**

**Moderator:** Nathan Kozuskanich (History)

**Judge:** Robin Gendron (History)

**Panellists:**

**Jade Dejong** *"Defecting with Open Arms: A Chieu Hoi Analysis"*

**Jacqueline Girard** *"Until Surrender: Interpreting the Allied Policy of Area Bombing from 1939 to 1945"*

**Jacob Shulman** *"If You Want Something Done Right...': Law and Order in Minsk, 1937-1945"*

**Hanping Xie** *"In the Narrative of the Media: The Historical Meaning of the 1945 Windsor Ford Strike"*

**#2 Into the Wild A226**

**Moderator:** Gyllie Phillips (English)

**Judge:** Margaret Owens (English)

**Panellists:**

**Alyssa Coghill** *"'There was nothing to do but move on: The Nature of Healing in Cheryl Strayed's Wild"*

**Olivia Pitcher** *"Family, Identity, and the Natural World in Medicine Walk, by Richard Wagamese"*

**Carly Renaud** *"Erasing the Indian, Eroding the Culture: Indigenous Representation in Literature"*

**#3 Indigenous Concerns in the Social Welfare Field A257**

**Moderator:** Katrina Srigley (History)

**Judge:** Cindy Peltier (Indigenous Education)

**Panellists:**

**Siobhan Bell** *"Violations of Indigenous Women's Sexual and Reproductive Autonomy under Colonialism"*

**Taylor Boissonneault** *"Mental Health Policies, Services, & Practices: From Colonial and Institutional Oppression to the Development of Community-Based Programs"*

**Stefanie Fraser** *"Barriers that the Canadian Indigenous Community Faces in its Fight Against HIV/AIDS"*

**Dakota Heon** *"Missing Spirits: Embracing Indigenous Gender and Sexuality to Engage Men in Violence Prevention Efforts"*

**#4 Experiential Learning Roundtable 1: Warpath Study Tour A259**

**Moderator:** Stephen Connor (History) and Hilary Earl (History)

**Panellists:**

**Members of HIST 3007**

6:00-8:00	Poster Session	Thompson Reading Room	Library
<b>Rehana Ahmadzai</b>	Experiential Learning in Nursing Education		13
<b>Eno Akpan</b>	iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate		18
<b>Zhongjie Bao</b>	Neurofunctional Impact of Chronic Cannabis Use on Emotion		23
<b>Shane Barbeau</b>	The Morphological Effects of 2,4-Dichlorophenoxyacetic acid Plus Glyphosate, and "Enlist Duo" on Developing Japanese Quail ( <i>Coturnix japonica</i> ) Embryos		32
<b>Olivia Brundia</b>	iLEAD Jamaica Eco-Tourism-Utilizing Caves on Geddes Estate		18
<b>Jessica Cearns</b>	Effect of Testosterone on Psychological Dehumanization: Attribution of Uniquely Human Characteristics to a Third-Party Woman		8
<b>Johanna Chipman</b>	iLEAD Jamaica Eco-Tourism-Utilizing Caves on Geddes Estate		18
<b>Calvin Cressman</b>	Characteristics of Adolescents Sexual Offenders Who Abuse Animals vs. Adolescents Sexual Offenders Who Do Not Abuse Animals		3
<b>Christina Critelli</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project		10
<b>Daniella DeBartolo</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project		10
<b>Nadia Desrosiers</b>	Dress to Impress: Effects of Clothing on Social Perception		7
<b>Jennifer Dhawan</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project		10
<b>Tetiana Domnich</b>	Design of a Standard Educational Pamphlet to Facilitate Patient Decision on Code Status		5
<b>Chante Ellis</b>	Understanding How I Experience Becoming Practice-Ready for Compassionate Care as a Graduating Nurse		35
<b>Beatrice Fockens</b>	iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate		18
<b>Taylor Fortin</b>	iLEAD Jamaica Eco-Tourism-Utilizing Caves on Geddes Estate		18
<b>Charlotte Foster</b>	Loneliness and the Interpretation of Online Social Cues		21
<b>Maggie Gravelle</b>	Relationship Formation In Computer Mediated Communication		27
<b>Kayla Greenman</b>	Individual Differences Associated in Personality Prediction Via Online Communication		20
<b>Martina Harrison</b>	Quantifying Center-of-Mass Kinematics During Functional Tasks in Older Adults: Validity of Simplified Estimation Models		26
<b>Cameron Haslehurst</b>	High Mate Value Females and Sociosexual Orientation		16
<b>Yakira Hume</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project		10
<b>Niki Hutchinson</b>	The Teachable Moment After Cancer Diagnosis: Health Behaviour Change, Rurality, and Resources		33
<b>Gabrielle Jenkins</b>	Sociosexual Orientation Predicts Trait, but not State Aggression in Women		28
<b>Erica Kataquapit</b>	The Effects of THC and Chronic Mild Stress Exposure on Learning in Adults		30
<b>Shannon Kelly</b>	The Importance of Calcium in Associative Learning in Redbelly Dace ( <i>Chrosomus eos</i> ) From a Naturally Low Calcium Environment		31

<b>Kathren Krolak</b>	Examining the State of Readiness for Practice by Nipissing University's Nursing Students	12
<b>Ashley Locke</b>	Look At That Rock! : Induced Mate Abundance Increases Women's Expectations For Engagement Ring Size and Cost	22
<b>Jesse Lopinski</b>	A Cost-Benefit Analysis of the USA-Mexico Border Wall	37
<b>Shannon MacDonnell</b>	Analysis of Calcium Concentration in the Brains of Pumpkinseed Sunfish, <i>Lepomis Gibbosus</i> , and Redbelly Dace, <i>Chrosomus Eos</i> , from Low Calcium Environments	2
<b>Karina MacIntyre</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project	10
<b>Meagan MacKinnon</b>	Online Dating Deception: Sex Differences in Response to Lies About Status and Attractiveness	25
<b>Eric Marrast</b>	iLead Jamaica 2019: Social Marketing	17
<b>Caelen Mathers</b>	Effects of Testosterone on Men's Propensity Toward Sexual Aggression	9
<b>Natasha McCulloch</b>	Engaging Our Peers to Integrate the BPG into Practice: A Year-One Champions Project	10
<b>Scott McQuain</b>	Fear of Negative Evaluation and the Interpretation of Online Social Cues	15
<b>Jordan McVittie</b>	A Meta-Analytic Analysis of the Relationship Between Testosterone Dynamics and Human Aggression	1
<b>Rachael Morgan</b>	Envy Mediates the Link Between Women's Appearance Comparison and Mate Retention	38
<b>Alyssa Nichol</b>	iLead Jamaica 2019: Social Marketing	17
<b>Rachel Purcell</b>	Updated Meta-Analysis on the Relationship Between Baseline Testosterone Concentrations and Human Aggression	36
<b>Nea Saunders</b>	Online Communication: Can You Accurately Judge a Personality Trait Through a Text Message?	24
<b>Kira Schieck</b>	Characteristics of Adolescents Sexual Offenders Who Abuse Animals vs. Adolescents Sexual Offenders Who Do Not Abuse Animals	3
<b>Mackenzie Senior</b>	Impact of Clinical Shift Length on Nursing Students Learning Outcomes	19
<b>Charley Sharkey</b>	The Use of Pronouns to Signal Conversational Interest of Disinterest In an Online Chat	34
<b>Tabitha Tremblay</b>	The Effects of Ovo Injections of Artificial Sweeteners Saccharin, Sucralose, and Aspartame on Embryonic Development of Japanese Quails ( <i>Coturnix japonica</i> )	29
<b>Shae Tyers</b>	Exploring Whether Children's Concerning Sexual Behaviours are Related to their Victimization Experiences	14
<b>Galen Vickers</b>	Evaluation of the Silver Linings Cancer Wellness Day	11

<b>8:00–10:00</b>	<b>Art Installations</b>	<b>Thomson Reading Room</b>	<b>Library</b>
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<b>Corbin Losereit</b>	Regrets of a Sinner
<b>Catherine Proulx</b>	Gone // Lost

<b>8:00–10:00</b>	<b>Reception</b>	<b>Atrium</b>	<b>Library</b>
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Saturday March 24, 2019

**9:00-10:30** **Concurrent Panels (Session 2)**

**#5 War and the Media** **A224**

**Moderator:** Kyle Anderson (Recruitment)  
**Judge:** Amber McCarthy (School of Graduate Studies)  
**Panellists:**  
**Aidan Adrain** *"LIFE at War: A Exploration of LIFE Magazine's Coverage of the Vietnam War"*  
**Amanda Dixon** *"Canadian Values of World War Two as Seen Through the Adventures of Johnny Canuck"*  
**Cory Gordon** *"In the Name of All that is Fascist: Ireland's Opinion on General Eoin O'Duffy's Crusade in Spain"*  
**Benjamin McLaren** *"Eighteen Minutes of Infamy: The Sinking of the Lusitania and the Role of the Press in the First World War"*

**#6 Women Gazing, Men Gazing, and Powerful Bodies: Sexual Politics in Music Videos** **A226**

**Moderator:** Marc Plamondon (English)  
**Judge:** Nathan Kozuskanich (History)  
**Panellists:**  
**Connor Cobean** *"More Than Just a Sex Object: Objectification of Men through the Female and Queer Gazes in 'Rock DJ' and 'Relax' ""*  
**Armaan Dattani** *"Dangerous Dames: A Study of the Postfeminist Femme Fatale in Pop Music Videos"*  
**Nicole Robitaille** *"Domestic Horrors and the Female Gaze in St. Vincent's 'Cruel' and Mitski's 'Happy'"*

**#7 Government and Governance** **A257**

**Moderator:** Jeff Celentano (Political Science)  
**Judge:** David Tabachnick (Political Science)  
**Panellists:**  
**Andrew Ault** *"Is Presidential Compensation Linked to Performance of Ontario's Colleges?"*  
**Kalen Bennett** *"A Pluralist or Nationalist Europe?"*  
**Luke Charlton** *"Municipal Budgets: Finding Sustainability Through Stocks"*  
**Abbey Thompson** *"Facebook to Ballot Box: Impact of Online Projected Personalities of Political Candidates on Electoral Success"*

**#8 Consumption, Community, and Capitalism** **A257**

**Moderator:** Amanda Burk (Fine Arts)  
**Judge:** James Abbott (Geography)  
**Panellists:**  
**Taylor Hummel** *"Organic Produce Consumption in Canada: Theory of Planned Behaviour and Influence of Lifestyle, Values, Perceived Affordability and Consumption Patterns"*  
**BJ Szabicot** *"Light Wallet or Heavy Heart: Factors Influencing Human Migration in Northern Ontario"*  
**Rebecca Watson** *"Marxist for Hire: A Neo-Marxist Analysis of Shepard Fairey's Marketable Political Prints"*

**#9 Biomechanics and Ergonomics B211**

**Moderator:** Aaron Kociolek (BPHE)  
**Judge:** Dean Hay (BPHE)  
**Panellists:**  
**Devaney Dewey** *“Manual Goal-Directed Aiming Differences Between Sexes Using a Double-Step Paradigm”*  
**Teagan Retty** *“The Use of Biomechanics to Improve Running Economy in Novice Runners”*  
**Kaylyn Turcotte** *“Ultrasound Assessment of Median Nerve Deformation and Displacement in the Transverse Carpal Tunnel: Effects of Grip Force and Wrist Deviation”*

**10:30-10:45 BREAK NU Cafeteria A246**

**10:45-12:15 Concurrent Panels (Session 3)**

**#10 Why Create, Why Remember? A224**

**Moderator:** Todd Horton (Education)  
**Judge:** Kelly Morris (History)  
**Panellists:**  
**Patrick-Aurel Fournier** *“Nos Gentibus Spinam Dorsi Removerent’: Regimental Museums and Commemoration in Ontario, 1940s – 2018”*  
**Frances Kay** *“From Camp to Base: The Origins of Base Borden”*  
**Sophie Lauzon** *“After War: Honour and Remembrance in Society”*  
**Abigail Sewell** *“Civilian Sacrifice: The Creation of the Meaford Military Base”*

**#11 Do You Write Your Writing or Does Your Writing Write You? The Art and Science of Writing A226**

**Moderator:** Lindsey McMaster (English)  
**Judge:** Marc Plamondon (English)  
**Panellists:**  
**Elisa Barlow** *“Before You Begin: Why Bother?”*  
**Emily Dawson** *“The Role of Writing in Resisting Tyranny”*  
**Rachel-Elizabeth Robertson** *“So Let it be Written, So Let it be Done: The Creation and Importance of Writing Trauma Narratives”*

**#12 Women’s Bodies A257**

**Moderator:** Sal Renshaw (GESJ)  
**Judge:** Leslie Thielen-Wilson (GESJ)  
**Panellists:**  
**Diane Davies** *“The Deity Project”*  
**Rebecca Ferris** *“Women’s Place in Today’s Military: An Examination of Canadian Forces Policies”*  
**Rachael Morgan** *“Envy Mediates the Link Between Women’s Appearance Comparison and Mate Retention”*  
**Faith Thomson** *“From the Legalization of Birth Control to Sexual Assault Law Transformation in Canada”*

<b>#13 Mapping and Modelling</b>		<b>A259</b>
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<b>Moderator:</b>	April James (Geography)
<b>Judge:</b>	Kirsten Greer (History/Geography)
<b>Panellists:</b>	
<b>Ismael Kaba</b>	<i>"Mapping Mangrove Forest Trends Along the Coast of Guinea, West Africa, from Multi-Temporal Landsat Imagery"</i>
<b>Kimberly Montgomery</b>	<i>"Modeling Stream Chloride Concentrations in Rural and Urban Watersheds Impacted by Road Salts in Central and North-eastern Ontario"</i>
<b>Michelle O'Donnell</b>	<i>"Analysis of Northern Ontario Inonotus Obliquus (Chaga) from Yellow Birch Trees using High Performance Liquid Chromatography Mass Spectroscopy"</i>
<b>Eddie Shillum</b>	<i>"Using Graphing to Test a New Topological Space"</i>

<b>#14 Biomedical Breakthroughs</b>		<b>B211</b>
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<b>Moderator:</b>	Tony Parkes (Biology/Chemistry)
<b>Judge:</b>	Laurie Peachey (Nursing)
<b>Panellists:</b>	
<b>Radhika Nangia</b>	<i>"Visual Perceptual Skills Among Children: Effects of Gender and Age"</i>
<b>Ilham Elias</b>	<i>"Changing Nurses' Attitudes toward Post-Hysterectomy Depression"</i>
<b>Benjamin Cook</b>	<i>Solution to AMM Problem 12008</i>
<b>Muzammil Syed</b>	<i>"Centrosome-Associated Protein 350 (CEP350): A Potential Novel Marker for Critical Limb Ischemia"</i>

<b>#15 Something for Everyone</b>		<b>A208</b>
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<b>Moderator:</b>	Sarah Winters (English)
<b>Judge:</b>	Eric Weichel (Fine Arts)
<b>Panellists:</b>	
<b>Olivia (Jia) Feng</b>	<i>"The 'Real' Outcomes of Language Learning: The History of English Language Education in China"</i>
<b>Samara Gauthier</b>	<i>"Resilient Classrooms: Cultivating Students' Academic and Personal Growth Through Nurturing Learning Environments"</i>
<b>Maggie Gordon</b>	<i>"'I Was Here': Suicide in Contemporary Young Adult Fiction"</i>
<b>Ryoga Hojo</b>	<i>"Synthesis of 3-methylene-2,3-dihydrothiazolo[3,2-a]indoles via a Copper-Catalyzed Hydroamination Step"</i>

<b>12:15-1:15</b>	<b>LUNCH (provided for registered participants)</b>	<b>NU Cafeteria A246</b>
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**1:15-2:45**                      **Interactive Book Reading with Waubgeshig Rice**                      **F213**

**Introduction by:**  
**Emily St. Germain (Political Science, Native Studies)**  
**Carly Renaud (English)**

**2:45-3:00**                      **BREAK**    **NU Cafeteria A246**

**3:00-4:30**                      **Concurrent Panels (Session 4)**

**#16 “War and the Home Front”**    **A224**

**Moderator:**                      Stephen Connor (History)  
**Judge:**                              Todd Horton (Education)  
**Panellists:**  
**Danielle Coulas**                      *“Wartime Xenophobia and Canadian Internees of World War One”*  
**Ryrie Dirksen**                      *“Make Peace Not War: The History of the Non-Resistant Relief Organization”*  
**Arthur Nakamura**                      *Manufacturing an Enemy: Images of the Japanese in Propaganda Films of World War Two”*  
**Tatianna Webb**                      *“Women Under Siege: The Daily Lives of Professional Women during the London Blitz”*

**#17 People Power: Nonviolent Struggle in the Past and Present**                      **A226**

**Moderator:**                      Lindsey McMaster (English)  
**Judge:**                              Kristin Lucas (English)  
**Panellists:**  
**Rayna Plante-Schneider**                      *“The Women’s Suffrage and the Use of Nonviolent Protests”*  
**Christina Reid**                      *“Standing Rock: The Protectors that United a Nation”*  
**Dorian Smith**                      *“Where are the Women?”*

**#18 Roundtable on Experiential Learning 2: Going Zero Waste**                      **A257**

**Moderator:**                      Gillian McCann (Religions and Cultures)  
**Panellists:**  
**Elisa Barlow**  
**Mackenzie Bass-Simpson**  
**Taylor Cosman**  
**Javiera Maturana**  
**Hunter Turkiewicz**

<b>#19 Mentorship and Best Practice in Nursing</b>		<b>A259</b>
<b>Moderators:</b>	Louella Manankil-Rankin (Nursing)	
<b>Judge:</b>	Tammie McParland (Nursing)	
<b>Panellists:</b>		
<b>Sara Abernethy</b>	<i>“Engaging Nursing Students With Integrating the Best Practice Guidelines (BPGs) into Their Practice: A Year-Two Champions Project”</i>	
<b>Melissa Dash</b>		
<b>Jelena Grabeljsek</b>		
<b>Samantha Simone</b>		
<b>Christina Critelli</b>	<i>“Understanding How the Change Day Activity Implemented in the Scholar Practitioner Program Informed Nursing Students’ Professional Identity Formation”</i>	
<b>Daniella DeBartolo</b>		
<b>Brittaney Kent</b>	<i>“Access to a Mentorship Program in Higher Education and the Quality of Indigenous Students’ Experience”</i>	
<b>Brody Laberge</b>	<i>“Addressing the Horizontal Workplace Violence Experienced by Newly Graduated Nurses”</i>	
<b>#20 Reconsidering Representations</b>		<b>B211</b>
<b>Moderators:</b>	Eric Weichel (Fine Arts)	
<b>Judge:</b>	Katrina Srigley (History)	
<b>Panellists:</b>		
<b>Stephanie Lyons</b>	<i>“Green Room Hermaphrodites and Stranger Shores: The Modern Sanitization of Cross-Dressing in the Films Shakespeare In Love and Stage Beauty”</i>	
<b>Erica Scoville</b>	<i>“A Critical Analysis of the Representation of Fat Women in Popular Television Series”</i>	
<b>Isak Vaillancourt</b>	<i>“Representation of Muslim and Non-Muslim Perpetrators in the Context of Canadian Print News”</i>	
<b>Allyn Whitehead</b>	<i>“Super Injustices &amp; Princess Perpetuations: How Disney Films Perpetuate Social Injustices”</i>	
<b>4:30-5:30</b>	<b>Closing Ceremony and Prizes</b>	<b>NU Cafeteria A246</b>

## ABSTRACTS

### POSTER PRESENTATIONS

#### **Ahmadzai, Rehana**

“Experiential Learning in Nursing Education”

A major curriculum component of the Registered Practical Nurse (RPN) to Baccalaureate Science in Nursing (BScN) Blended Learning degree program at Nipissing University is clinical experiences in which theoretical and scientific knowledge is applied. However, experiential learning in nursing education can extend beyond clinical placements. The project explores my research and experiential learning as it relates to an online “Current Issues in Nursing” theory course assignment in which I had the opportunity to attend a regulatory board meeting for nurses with the College of Nurses of Ontario (CNO). This meeting was an eye-opening event as it demonstrated the impact of political influences and the process for mandating regulations by the CNO for nursing practice. The learning experience allowed me to realize my full potential as a nurse with a positive impact on my career, fellow nurses, and patients.

#### **Akpan, Eno**

“iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate”

Eco-tourism has become a growing industry in recent years due to global pressures to reduce carbon-footprints and preserve natural resources and geography. This is a crucial consideration for countries such as Jamaica where the largest industry sector is tertiary, with an emphasis on services, tourism, and hospitality. The proper implementation of eco-tourism serves as an attraction for tourists who have a keen interest in ecological preservation, and ensures that the toured sites experience greater longevity. The members of this panel have travelled to Jamaica in 2019 through the iLEAD program to create a feasibility plan regarding the possibility of using the caves present on the Geddes Estate property as an eco-tourism site. The team studied the caves present on Geddes Estate property, reviewed past reports conducted on the cave’s safety, surveyed the population in St. Ann’s parish, and worked alongside the management team of the property to collect primary and secondary data.

#### **Bao, Zhongjie**

“Neurofunctional Impact of Chronic Cannabis use on Emotion”

Blunted emotion is a side effect of cannabis use reported by chronic users. Past studies have established a link between heavy cannabis use and deficits in emotional face processing. However, changes in neurofunction underlying such deficits remain unknown. We selected 64 cannabis users who reported severe life problems from cannabis use, 64 cannabis users who did not report cannabis-related problems, and 64 non-users from the Human Connectome Project (HCP). The 3 groups of participants were matched on age, gender, and educational attainment. We examined the functional MRI data of an emotional processing task which required participants to match one of two faces to a presented target face that displayed either anger or fear. We hypothesized that chronic use of cannabis altered the brain’s neurofunctional response to affective stimuli in areas heavily involved in emotional processing, such as the amygdala. We will discuss the study implications and future research directions.

### **Barbeau, Shane**

“The Morphological Effects of 2,4-Dichlorophenoxyacetic acid Plus Glyphosate, and “Enlist Duo” on Developing Japanese Quail (*Coturnix japonica*) Embryos”

2,4-D and glyphosate are agrochemicals that have been used as separate herbicides for decades. “Enlist Duo” is a newly approved herbicide comprised of both 2,4-D and glyphosate, plus a secret trademarked surfactant. There has been little research published regarding the synergistic effects of combining herbicides, most of which has indicated the prevalence of mixture toxicity. Also, surfactants have been noted for causing teratogenic and/or endocrine disrupting activity in developing organisms. In this study, solutions containing either 2,4-D plus glyphosate or “Enlist Duo” were injected into developing quail embryos. The resulting embryos will be examined for developmental abnormalities and compared among treatment groups. The results will indicate whether or not mixture toxicity occurs when 2,4-D and glyphosate are used in combination. The results will also indicate whether or not any developmental changes can be attributed to Enlist Duo’s secret trade-marked surfactant.

### **Brundia, Olivia**

“iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate”

Eco-tourism has become a growing industry in recent years due to global pressures to reduce carbon-footprints and preserve natural resources and geography. This is a crucial consideration for countries such as Jamaica where the largest industry sector is tertiary, with an emphasis on services, tourism, and hospitality. The proper implementation of eco-tourism serves as an attraction for tourists who have a keen interest in ecological preservation, and ensures that the toured sites experience greater longevity. The members of this panel have travelled to Jamaica in 2019 through the iLEAD program to create a feasibility plan regarding the possibility of using the caves present on the Geddes Estate property as an eco-tourism site. The team studied the caves present on Geddes Estate property, reviewed past reports conducted on the cave’s safety, surveyed the population in St. Ann’s parish, and worked alongside the management team of the property to collect primary and secondary data.

### **Cearns, Jessica**

“Effect of Testosterone on Psychological Dehumanization: Attribution of Uniquely Human Characteristics to a Third-Party Woman”

There is evidence suggesting that hormones (i.e. oestrogen) are involved in a woman’s propensity to dehumanize (Piccoli et al., 2013; Piccoli et al., 2017). However, there is limited focus on men and dehumanization. Testosterone has been implicated in altering men’s perceptions/preferences for facial femininity (Bird et al., 2016) and other sexual stimuli (Welling et al., 2008), therefore, men’s dehumanization may be influenced by testosterone. In this t-administration, double-blind, placebo-controlled, within-subjects design study (counterbalanced across participants), dehumanization was assessed using an emotion-based dehumanization scale (Leyens et al., 2000). There was a significant drug\*emotion interaction,  $F(1,103)=4.399$ ,  $p<0.038$ , such that under the influence of testosterone men rate the stimulus-woman significantly ( $p<0.001$ ) lower on secondary emotions (uniquely human) ( $\bar{x}=4.376$ ) compared to primary emotions ( $\bar{x}=4.592$ ). In addition, there was a significant emotion\*video condition interaction,  $F(1,103)=7.486$ ,  $p<0.007$ , where men rated a sexualized woman significantly ( $p<0.001$ ) lower on UH emotions ( $\bar{x}=4.398$ ) compared to primary emotions ( $\bar{x}=4.709$ ).

**Chipman, Johanna**

“iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate”

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**Cressman, Calvin**

“Characteristics of Adolescents Sexual Offenders Who Abuse Animals vs. Adolescents Sexual Offenders Who Do Not Abuse Animals”

Among samples of adolescents who sexually offended, researchers demonstrated the similarities and differences between based on whether or not they also engaged in sexual behaviour with an animal. There is a lack of research related to children who have engaged in sexual behaviours with animals. This study investigated victimization history, aggression, and family characteristics between children with concerning sexual behaviour, who either have or have not engaged in sexual behaviour with an animal. The results are discussed with regard to clinical applications. The study is based on clinical reports collected by the Sexual Violence and Victimization Lab at Nipissing University.

**Critelli, Christina**

“Engaging our Peers to Integrate the BPG into Practice: A Year One Champions Project”

Nipissing University’s School of Nursing aims to become a Registered Nurses’ Association of Ontario (RNAO), Best Practice Spotlight Organization (BPSO) involving the implementation of the BPSO’s best practice guidelines (BPGs) into the curriculum. The “Year One Champions’ Project” is to engage our peers to integrate the Best Practice Guidelines into their practice. This poster presentation will describe how we used the PDSA Cycle to conduct a pre-test questionnaire that evaluated how well year one nursing students know, understand, and apply the BPGs. An average score of 3 on a 5-point scale illustrated a neutral uptake of BPGs by Year 1 students. To facilitate peer engagement, we used our cohort’s Facebook group and create BPG kiosks, focusing on assessment/management of pain and person/family-centered care. A post-test questionnaire will be used to re-evaluate uptake. Another BPG will be the focus of engagement at the end of the semester.

**DeBartolo, Daniella**

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**Desrosiers, Nadia****“Dress to Impress: Effects of Clothing on Social Perception”**

I examined the extent to which women are more likely to wear red clothing when trying to attract a mate, and whether wearing clothing to attract a mate would influence a woman's perception of women's attractiveness. In a repeated measures design (n = 48), women were asked to arrive to lab with 2 outfits: 1) outfit they would wear if they were going to a bar to attract a potential mate; 2) outfit they would wear to the grocery store. Results indicated that women were more likely to wear a red outfit when trying to attract a mate (25%) compared to other conditions (4%). Overall, women did not rate other women differently on attractiveness as a function of the type of clothing they were wearing. Nevertheless, women tended to rate other women lower on attractiveness when they wore red compared to when they wore an outfit that was not red.

**Dhawan, Jennifer****“Engaging our Peers to Integrate the BPG into Practice: A Year One Champions Project”**

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**Domnich, Tetiana****“Design of a Standard Educational Pamphlet to Facilitate Patient Decision on Code Status”**

Clinically stable patients in hospital units are expected to make a decision about their resuscitation status within 72 hours from their admission. However, the lack of information about the positive and negative outcomes of cardiopulmonary resuscitation (CPR) has been a barrier to patients' informed decision. My intention is to create a pamphlet with evidence-based material about CPR to educate and enable patients to make an informed decision about their code status, whether it is full, partial or DNR. This pamphlet will be built upon current literature, incorporated clinical expertise from health care professionals, and approved by hospital administration and ethics committee. The contents of the pamphlet will include nature of the cardiac/respiratory arrest, treatments included in ACLS protocols, life-sustaining treatment, anticipated outcomes. The pamphlet will also facilitate communication between patients or their substitute decision-makers and health care providers, and enhance patients' capacity to make an informed decision.

**Ellis, Chante****“Understanding How I Experience Becoming Practice-Ready for Compassionate Care as a Graduating Nurse”**

Practice readiness in nursing is not conceptually clear. The literature suggests that it is technical in nature; yet, patient stories narrate a need for relationship and compassion from the health care provider. This poster presentation is a discussion of a proposal to explore narratively the question of how I experience becoming practice ready for compassionate care as a graduating nurse. Using Clandinin and Connelly's (2004) Narrative Inquiry methodology, I will engage in three dialogical conversations with my professor about my experiences. In conjunction with my personal reflections as field texts, I will explore my practice stories of providing compassionate care. The three-dimensional space framework will be used to analyze data with the aim of reconstructing experience. Engaging in Narrative Inquiry's three levels of justification will lead to the development of the research text. This will be an end of program project that reflects my personal journey.

**Fockens, Beatrice**

“iLEAD Jamaica: Feasibility of Eco-Tourism Utilizing Caves on Geddes Estate”

Eco-tourism has become a growing industry in recent years due to global pressures to reduce carbon-footprints and preserve natural resources and geography. This is a crucial consideration for countries such as Jamaica where the largest industry sector is tertiary, with an emphasis on services, tourism, and hospitality. The proper implementation of eco-tourism serves as an attraction for tourists who have a keen interest in ecological preservation, and ensures that the toured sites experience greater longevity. The members of this panel have travelled to Jamaica in 2019 through the iLEAD program to create a feasibility plan regarding the possibility of using the caves present on the Geddes Estate property as an eco-tourism site. The team studied the caves present on Geddes Estate property, reviewed past reports conducted on the cave’s safety, surveyed the population in St. Ann’s parish, and worked alongside the management team of the property to collect primary and secondary data.

**Fortin, Taylor**

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**Foster, Charlotte**

“Loneliness and the Interpretation of Online Social Cues”

Online communication is an increasingly pervasive medium of social interaction. Paradoxically, increased online communication can be associated with an increased sense of loneliness. Loneliness is associated with negative affective outcomes and increased attentiveness to social cues in face-to-face encounters, which may improve awareness of others’ thoughts and feelings. In our study, we tested whether loneliness was associated with improved detection of conversational signals of interest and disinterest in a naturalistic online chat among strangers. Sixty-six participants completed a loneliness questionnaire, followed by a 20-minute, dyadic, online, text-based conversation. Participants evaluated each side of the conversation (self and partner) identifying the important exchanges. Each participant described the intentions behind their comments and inferred the intentions of their partner’s comments. Trained judges determined detection-accuracy based on the correspondence between inferred intentions and described intentions. Identifying how loneliness influences online social cue detection will guide future interventions to reduce Loneliness.

**Gravelle, Maggie**

“Relationship Formation In Computer Mediated Communication”

Online computer mediated communication is prevalent with one in five relationships beginning on the internet. Conversational responsiveness and reciprocal self-disclosure are key components in forming successful online relationships. Our study manipulates how these online expressions of interest affect new relationship formation during naturalistic, online, text-based conversations. At the beginning of the third five-minute epoch of a 20-minute online chat, one of the dyads was prompted to express either show interest, show disinterest, or to continue chatting. To measure conversational satisfaction and relationship outcomes, partners completed a set of self-report scales. Our sample consisted of 30 unacquainted female-dyads. We hypothesize that the interest-prompted partners will report more positive relationship outcomes and the disinterest-prompted partners will report less positive relationship outcomes relative to the continue-chatting control condition. This study offers unique insight into the online relationship-formation process with a participant-driven, subtle experimental manipulation of expressions of interest during a naturalistic acquaintanceship conversation.

**Greenman, Kayla****“Individual Differences Associated in Personality Prediction Via Online Communication”**

Technology has had a large impact in the world of communication. Although computer-mediated communication (CMC) provides relatively limited interpersonal feedback, people’s personality traits can be inferred with some accuracy. Two personality traits, Extraversion and Openness, are particularly affected by the communication method. During face-to-face (FTF) interactions, Extraversion is more accurately detected based on non-verbal social feedback. In contrast, Openness is more accurately detected during online communication based on conversational content. To further examine the effects of CMC on the detection of these two personality characteristics, we subtly increased or decreased levels of expressed interest or disinterest during an online chat among unknown partners. Thirty pairs of young females rated their own personality traits, completed a text-based, online chat for twenty minutes, and then rated their conversational partners’ personality traits. We hypothesize that the manipulation of expressed interest levels would alter Extraversion accuracy levels more so than Openness accuracy levels.

**Harrison, Martina****“Quantifying Center-of-Mass Kinematics During Functional Tasks in Older Adults: Validity of Simplified Estimation Models”**

Center-of-mass (COM) movement is commonly used to quantify balance. Previous studies have examined the accuracy of simplified COM estimation models (Havens et al. *Gait Posture* 2018;59:162-7); however, the accuracy of simplified models during functional tasks in older adults has not been established. This study aimed to evaluate simplified COM model kinematics compared to a full-body (FB) model, during a sit-to-stand-to-sit task in older adults. This secondary analysis included 21 younger (18-30 years old) and 38 older (60-89 years old) adults. Motion capture data were collected during sit-to-stand-to-sit trials, and COM position and velocity were calculated using various estimation models. Means and ranges for position, and maximum and minimum velocities, were extracted for each model; the simplified models will be compared to the FB model. Findings will inform data collection practices for future studies with older adults, to reduce data collection and processing times as well as participant burden.

**Haslehurst, Cameron****“High Mate Value Females and Sociosexual Orientation”**

Previous research on female mate value and sociosexual orientation is mixed. The present study examines the relationship between mate value and the subscales of SOI-R in a female student sample from Ontario, Canada. Though Mate Value and Global SOI-R were not significantly correlated, mate value did negatively correlate with the behavior subscale of SOI-R. High mate-value females were less likely to have casual sexual intercourse. Mate value correlates with neither the attitude nor desire subscales of SOI-R. These results show the potential that females with a higher mate value do not act upon short-term mating strategies, but have no difference than other females on attitudes towards or desires on short-term mating.

**Hume, Yakira****“Engaging our Peers to Integrate the BPG into Practice: A Year One Champions Project”**

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### **Hutchinson, Niki**

“The Teachable Moment after Cancer Diagnosis: Health Behaviour Change, Rurality, and Resources”

The primary purpose of the study is to examine the relationship between rurality, available resources, and health behaviours in cancer survivors. It is hypothesized that rural living cancer survivors will report that there are less available resources and support for adopting health behaviour change compared to individuals living in urban areas. Further, it is expected that survivors who have fewer available resources will reveal poorer health behaviours. Secondary purposes are to document the type and use of health behaviour change resources that cancer survivors have accessed. This is a cross sectional survey examining cancer survivors living in Canada. The results of the research will provide information about the importance of support and resources for different health behaviours for cancer survivors for the future design of intervention studies. Recruitment for the study has just begun and at present 20 participants have completed the survey (goal is N=100).

### **Jenkins, Gabrielle**

“Sociosexual Orientation Predicts Trait, but not State Aggression in Women”

In order to enact a short-term mating strategy, an individual must compete more vigorously for varied mating opportunities. Although short term mating is considered a male typical mating strategy, females have shown to enact short term mating strategies. No research has examined whether low SOI women are more intrasexually aggressive than those with a lower SOI. This study examines if scores on the Revised Sociosexual Orientation Inventory (SOI-R) predicted, self-reported trait aggression using the short-form Buss-Perry Aggression Questionnaire (BPAQ), and in-vivo measures of intrasexual aggression: the Point Subtraction Aggression Paradigm (PSAP) in a student sample of 119 Canadian females. Results showed that SOI-R was unrelated to aggression in the PSAP, however SOI-R was related to trait aggression. Specifically, global SOI-R positively related to overall BPAQ score and all four subscales. Results suggest that like men, women oriented towards short-term mating are more aggressive than women who exhibit longer-term mating orientations.

### **Kataquapit, Erica**

“The Effects of THC and Chronic Mild Stress Exposure on Learning in Adults”

We examined the effects of THC and chronic mild stress (CMS) on anxiety in adult Wistar rats. Adults are of interest because the brain has completed maturation. THC is found in cannabis and is known for its ability to reduce symptoms of anxiety; however, it may increase the symptoms with a higher dose. Anxiety disorders can be induced by CMS and adults may medicate with THC. The rats were exposed to 14 days of CMS. An OFT was conducted to obtain a measure of anxiety and stress. THC injections began PND 85 for ten days with increasing doses starting at 2.5mg/kg, then 5.0mg/kg, and finally 10.0mg/kg, followed by a normalization period. On PND 102-103, EZM and SIT were performed to measure anxiety and social behaviours toward a novel rat, respectively. Finally, the MWM was performed over four days which evaluates spatial memory and learning. Behavioural results will be discussed.

### **Kelly, Shannon**

“The Importance of Calcium in Associative Learning in Redbelly Dace (*Chrosomus eos*) From a Naturally Low Calcium Environment”

In a previous study, we found that redbelly dace from a low calcium environment cannot associate a known chemical cue with the odour of an unknown predator. We tested whether dace could demonstrate associative learning using chemical cues paired with visual cues. In experiment 1, we conditioned dace to a pairing of injury-released alarm cue (known) with a predator model (unknown). Dace did not significantly decrease swimming activity but significantly increased freezing behaviour. In experiment 2, we conditioned dace to observe another dace (known) paired with a predator odour (unknown). Dace did not significantly decrease swimming activity but significantly increased freezing behaviour. Conversely, control dace from Robin's Pond significantly decreased swimming activity and freezing behaviour. High Lake dace can associate chemical cues with visual cues to learn the sight of a predator (exp. 1) and the odour of an unknown predator (exp. 2) in a low calcium environment.

**Krolak, Kasia**

“Examining the State of Readiness for Practice by Nipissing University’s Nursing Students”

There is no clear consensus in the literature on what it means for nursing students to be practice ready. The literature suggests that the concept of practice readiness is more than competence, knowledge, skill, and judgment, yet it is unclear based on current literature what the expanded view of this concept entails. The purpose of the study is to assess the practice-readiness of nursing students across four different BScN programs at Nipissing University over time: at graduation, then 3 months, 12 months, and 18 months after graduation. Practice readiness will be assessed by measuring student resiliency, compassion satisfaction, general self-efficacy, leadership, and the relationships among these concepts. This poster presentation will outline the research design of this project and my role as the study’s research assistant.

**Locke, Ashley**

“Look At That Rock!: Induced Mate Abundance Increases Women’s Expectations For Engagement Ring Size and Cost”

The present study used an experimental mate-availability priming paradigm (based on fictitious magazine articles) to induce 205 undergraduate women with perceptions of either mate-scarcity or mate-abundance in the local environment. Women subsequently responded to an expected male resource investment paradigm, asking them to identify the size and expense of an engagement ring ranging from 0.50 carats (\$500) to 1.50 carats (\$9000), they would prefer to be given by a long-term mate. Our results showed that women who were primed with mate-abundance reported expecting a statistically-significantly larger and more expensive engagement ring relative to women in the mate-scarcity condition. These results held independent of controlling for current relationship status, age, and sexual history variables. Our findings suggest that when the environment allows for increased mate-choice and expression of mate preferences among women, they will increase their expectations for male resource investment relative to environments in which mates are scarce.

**Lopinski, Jesse**

“A Cost-Benefit Analysis of the USA-Mexico Border Wall”

This paper will be doing an analysis that weighs the costs against the benefits of the proposed wall that the American executive branch wants to build across their southern border. The intention of the wall is to eliminate the illegal activities that cross the southern border. This paper will do an analysis on who illegal immigrants are, how they enter the country, and how a wall would change that. The costs and benefits of the wall will be examined from economic, societal, financial, and political perspectives. The building of a border wall on the southern border may not be the most effective way to deter illegal immigration (as well as other illegal activities) and this paper will recommend alternative economic policies that may be more effective.

**MacDonell, Shannon**

“Analysis of Calcium Concentration in the Brains of Pumpkinseed Sunfish, Lepomis Gibbosus, and Redbelly Dace, Chrosomus eos, from Low Calcium Environments”

Fish respond to their environment through olfaction. Odour molecules bind to receptors in the nasal cavities, causing depolarization when calcium enters the neuron. Behavioural studies with pumpkinseed sunfish and redbelly dace from low calcium lakes found that anti-predator responses and learning are impaired, but acclimatizing the fish to elevated calcium recovers anti-predator behaviours. We used a colourimetric assay to determine whether there was a difference in free calcium concentration in brains of sunfish depending on the length of acclimatization, and to determine the difference between free calcium sequestered in dace brains from low and normal calcium environments. There were no statistical differences in free calcium concentration in the brains of the sunfish among treatment groups, nor among the dace groups. However, there was more calcium in sunfish brains in the 24 and 72h elevated calcium treatments. Calcium levels in the brain may influence fish behaviour; further work is needed.

**MacIntyre, Karina**

“Engaging our Peers to Integrate the BPG into Practice: A Year One Champions Project”

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**MacKinnon, Megan**

“Online Dating Deception: Sex Differences in Response to Lies About Status and Attractiveness”

This study examined sex differences in response to deception in online dating. In the first study, a hypothetical dating scenario was given to participants with one of three deception conditions; deception regarding attractiveness, occupation, or volunteerism. Participants then reported how upset they were about the lie and how likely they were to cancel their date. Results from study one indicated that women were more likely than men to cancel the date if the deception involved volunteerism or occupation. Study two used the same hypothetical dating scenario but included a forced choice paradigm in which participants were required to rank order deception in attractiveness, occupation, and volunteerism as most to least upsetting, and how likely they were to cancel their date. Results from study two supported findings from study one: women ranked deception in occupation as more upsetting than men, and men ranked deception in attractiveness as more upsetting than women.

**Marrast, Eric**

“iLead Jamaica 2019: Social Marketing”

The main purpose of this draft plan is to establish a social marketing method to promote and incorporate organic farming within the St. Ann’s parish farmlands, with the possibility of expansion within the Jamaican community. The advantage of organic farming will be discussed as it pertains to the parish of St. Ann’s sector. The social marketing approach will be identified by means of advertising within the community. A feasibility plan will be introduced, along with strategic options and a project timeline. All of the following factors will help to determine which method should be used by the client to create awareness of organic farming within the community of St. Ann’s Parish.

**Mathers, Caelan**

“Effects of Testosterone on Men’s Propensity Toward Sexual Aggression”

There is evidence suggesting that testosterone regulates aggression; however, there has been limited focus on testosterone’s role in regulating sexual aggression. Using a placebo-controlled, cross-over design, men (n=120) received a single dose of intranasal testosterone on one day and placebo on a second day (counterbalanced). Sexually aggressive behaviour was assessed using a novel virtual dating paradigm. Results revealed an unexpected drug by order of drug effect whereby men received more refusals on the second day of testing in both drug conditions. In line with our pre-registration, we opted to investigate the role of risky personality traits (dominance, impulsivity, & independent self-construal) on refusals. A univariate ANOVA with drug condition as a between-subject factor and standardized personality risk score as a covariate revealed a significant Drug x Zrisk interaction. Follow-up analyses indicated that T increased the number of refusals, but only for men with risky personality profiles.

**McCulloch, Natasha****“Engaging our Peers to Integrate the BPG into Practice: A Year One Champions Project”**

Nipissing University’s School of Nursing aims to become a Registered Nurses’ Association of Ontario (RNAO) Best Practice Spotlight Organization (BPSO) involving the implementation of the BPSO’s best practice guidelines (BPGs) into the curriculum. The “Year One Champions’ Project” is to engage our peers to integrate the Best Practice Guidelines into their practice. This poster presentation will describe how we used the PDSA Cycle to conduct a pre-test questionnaire that evaluated how well year one nursing students know, understand, and apply the BPGs. An average score of 3 on a 5-point scale illustrated a neutral uptake of BPGs by Year 1 students. To facilitate peer engagement, we used our cohort’s Facebook group and create BPG kiosks, focusing on assessment/management of pain and person/family-centered care. A post-test questionnaire will be used to re-evaluate uptake. Another BPG will be the focus of engagement at the end of the semester.

**McQuain, Scott****“Fear of Negative Evaluation and the Interpretation of Online Social Cues”**

Fear of Negative Evaluation (FNE) is associated with a preference for Online Communication (OC) over Face-to-Face (F2F) interactions due, in part, to reduced social feedback. Paradoxically, this same reduced social feedback may reinforce the FNE belief in negative social evaluations. In F2F, FNE is associated with dismissal of positive social cues lowering awareness of others’ positive thoughts and feelings. The current study examined whether FNE was associated with similar reductions in positive social cues in a naturalistic online chat among strangers. Sixty-six participants completed an FNE questionnaire and a 20-minute, dyadic, online, text-based conversation. Participants evaluated each side of the conversation (self and partner) identifying the important exchanges. Each participant described the intentions behind their conversational-comments and inferred the intentions of their partner’s comments. Trained judges determined detection-accuracy based on the correspondence between inferred intentions and described intentions. The identified findings can inform future psychoeducational programs to reduce FNE.

**McVittie, Jordan****“Meta-Analysis on the Relationship Between Baseline Testosterone Concentrations and Human Aggression”**

Past research has indicated a relatively weak correlation ( $r=0.08$ ) between baseline testosterone concentrations and various indices of human aggression (See Archer et al., 2005 for meta-analysis). Notably, testosterone levels are not static but fluctuate rapidly in the context of competitive interactions (See Geniole et al., 2017 for meta-analysis). Also, some evidence suggests that these acute changes in testosterone may serve to modulate aggressive behaviour (Carré & Olmstead, 2015). For this project, we conducted a meta-analysis on studies that examined the relationship between acute changes in testosterone and aggressive behaviour in humans. We located 13 studies with over 900 participants. At the time of submitting this abstract, data entry has been complete and data analyses are under way. Results of this meta-analysis will be presented at the research conference.

**Morgan, Rachael****“Envy Mediates the Link Between Women’s Appearance Comparison and Mate Retention”**

Previous research highlights the respective roles of social cognition and emotion in organizing behavioral outputs to mating challenges. Arnocky et al. (2012) proposed that among women, upward social comparisons on an important mate-value dimension (physical attractiveness) promote emotional reactions meant to motivate compensatory action to bolster one’s standings. This study tested a mediation model whereby upward physical appearance comparisons made by women were expected to predict indirect aggression toward others, and the perpetration of cost-inflicting and benefit-provisioning mate-retention. Factors were hypothesized to be mediated by envy (designed to orchestrate behavioral output resulting from social comparisons). Using 120 undergraduate females, results showed that upward appearance comparison predicted indirect aggression toward other women, and both cost-inflicting and benefit-provisioning mate-retention effort. Additionally, envy also mediates each relationship. Findings suggest women hold cognitive and emotional mechanisms, working to promote compensatory action in response to information suggesting they “lack” on important mate-value dimensions including physical attractiveness.

**Nichol, Alyssa**

“iLead Jamaica 2019: Social Marketing”

The main purpose of this draft plan is to establish a social marketing method to promote and incorporate organic farming within the St. Ann’s parish farmlands, with the possibility of expansion within the Jamaican community. The advantage of organic farming will be discussed as it pertains to the parish of St. Ann’s sector. The social marketing approach will be identified by means of advertising within the community. A feasibility plan will be introduced, along with strategic options and a project timeline. All of the following factors will help to determine which method should be used by the client to create awareness of organic farming within the community of St. Ann’s Parish.

**Purcell, Rachel**

“Meta-Analysis on the Relationship Between Baseline Testosterone Concentrations and Human Aggression”

A previous meta-analysis (Archer et al., 2005) suggest a relatively weak association between baseline testosterone (T) concentrations and human aggressive behaviour. This initial meta-analysis included 42 studies, many of which included several studies with relatively small sample sizes. Since this publication, several new studies with much larger sample sizes have been conducted, prompting us to re-examine T’s association with aggression. Thus, the current meta-analysis will build upon these findings looking at baseline T and aggression in over 125 studies. This meta-analysis also examines the extent to which other factors (e.g., age, testing time, sex, and criminal vs. non-criminal samples) moderate the effect of T on aggressive behaviour. At the time of the submission of this abstract, data entry has been complete and data analyses are under way. Results of this meta-analysis will be presented at the research conference.

**Saunders, Nea**

“Online Communication: Can you Accurately Judge a Personality Trait Through a Text Message?”

Chatting online is increasingly popular, but it lacks the visual and non-verbal social signals inherent in face-to-face interactions. When interacting with others, determining if they are reliable (Conscientious), emotionally stable (versus Neurotic), and cooperative (Agreeable) is important. In this study, we examine people’s ability to recognize these key personality traits during a semi-naturalistic, online get-to-know-you chat. Participants completed a self-focused personality evaluation before their 20-minute chat and a post-chat partner evaluation. Recognition accuracy was defined by how closely a partner’s post-chat ratings matched pre-chat, self-ratings. Based on previous online research, we expected higher accuracy for Conscientiousness, but lower accuracy for Neuroticism. We also hypothesized that expressions of disinterest will uniquely bias Neuroticism detection. To manipulate disinterest levels, the online-chat program instructed select conversational partners to convey disinterest or interest during the third period of their conversation. These study results suggest that online signals contribute to the judgment of personality traits.

**Schieck, Kira**

“Characteristics of Adolescents Sexual Offenders Who Abuse Animals vs. Adolescents Sexual Offenders Who Do Not Abuse Animals”

Among samples of adolescents who sexually offended, researchers demonstrated the similarities and differences between based on whether or not they also engaged in sexual behaviour with an animal. There is a lack of research related to children who have engaged in sexual behaviours with animals. This study investigated victimization history, aggression, and family characteristics between children with concerning sexual behaviour, who either have or have not engaged in sexual behaviour with an animal. The results are discussed with regard to clinical applications. The study is based on clinical reports collected by the Sexual Violence and Victimization Lab at Nipissing University.

**Senior, Mackenzie**

“Impact of that Clinical Shift Length has on Nursing Students Learning Outcomes”

The understanding and development of the academic curriculum for nursing students is a researched and understood area. One area that still seems to be lagging, however, is the proper understanding that clinical shift lengths play in nursing student learning outcomes. This area of research has gained little attention in the last few decades and has stagnated. The question was formulated, are better learning outcomes with nursing students seen with two 6-hour clinical shifts per week or from one 12-hour shift per week? This review discovered trends in thinking that will aid in the understanding of any subsequent information. The three major areas that are touched on are shift length for working nurses, preferences of nursing students, and theories of learning that can model the thinking that is seen in different shift length education. It is these concepts that will build the foundation for which the research is grounded and created.

**Sharkey, Charley**

“The Use of Pronouns to Signal Conversational Interest or Disinterest in an Online Chat”

Online communication is a prevalent method for developing new relationships. Unlike face-to-face communication, online communication depends heavily on conversational content and language choice due to the lack non-verbal feedback. Quantitative textual analyses have identified several relationship-relevant language choices. Forming positive relationships depend on partners' conversational responsiveness, part of which reflects word choices, such as pronoun usage. To further investigate the role of language used in online relationship formations, we conducted a study, using subtle manipulation of expressed levels of interest. We hypothesized that participants prompted to show more interest would use more pronouns, and those prompted disinterest would use fewer. Our sample and basic design consisted of 30 zero-acquaintance partners engaging in a 20-minute, text-based, online chat. Our quasi-experimental manipulation consisted of one conversational partner being prompted to express more or less interest during the third five-minute window. We will discuss implications and next research steps based on these findings.

**Tremblay, Tabitha**

“The Effects of Ovo Injections of Artificial Sweeteners Saccharin, Sucralose, and Aspartame on Embryonic Development of Japanese Quails (*Coturnix japonica*)”

Artificial sweeteners are low calorie substitutes for natural sugars like glucose and sucrose. There are numerous disagreements over of possible health risks of the use of artificial sweeteners. For this research, Japanese quails will be purchased and randomly assigned to 1 of 6 groups; control, vehicle control, low or high saccharin, sucralose or aspartame. After incubating for 15 days, embryos will be euthanized, weighed, measured, and muscle and liver samples will be taken. The remaining embryo will be used to analyse total lipids. I predict that exposure to saccharin, aspartame, and sucralose will produce weight gain in Japanese quail embryos. I hypothesize that lower concentrations of these artificial sweeteners will cause greater effects than higher concentrations of these artificial sweeteners and that aspartame and sucralose will have greater effects than saccharin because they can both be metabolized to some extent whereas saccharin cannot be metabolized.

**Tyers, Shae**

“Exploring Whether Children's Concerning Sexual Behaviours are Related to their Victimization Experiences”

Researchers have investigated relationships between sexual victimization and subsequent concerning sexual behaviours (CSB) by children younger than 12 years of age. However, research specifically examining whether a child's sexual abuse history is related to the CSBs engaged in is limited. By analyzing clinical files of CSB children, this study explored whether or not relationships exist between victimization characteristics and intrusive and aggressive sexual behaviours. Clinical implications are discussed based on the results of the study.

## **Vickers, Galen**

### **“Evaluation of the Silver Linings Cancer Wellness Day”**

Background: Community based health fairs in rural communities attempt to break down barriers and provide education and support for people that need it. This study’s objective was to evaluate the Silver Linings Cancer Wellness Day, a community-based fair. Methods: This study was a cross-sectional survey (N=67). Participants were recruited at the Silver Linings Cancer Wellness Day. Results: A total of 28 (42%) participants were cancer survivors. Participants’ indicated most frequently that their purpose for coming was to “get information/education” and “find out about services available”, with almost all participants (95%) indicating that they found what they were looking for. Participants overall indicated that they were “extremely satisfied.” Significance: The positive response to the Silver Linings Cancer Wellness Day suggests potential to substantiate use of health fairs in other rural communities for providing education and support.

## **ART INSTALLATIONS**

## **Losereit, Corbin**

### **Regrets of a Sinner**

This painting is the product of studying the technique of collage using acrylics. When thinking of collage and the period I was at in my life during the process of the piece, images that I had of myself and significant other resonated with me. Originally, the subject matter through the piece was intended to be a tribute to our love and relationship such as holding your heart above your head and being the lighter to her smoke. However, it is interesting how coincidentally once the piece was finished, toxicity and betrayal had surfaced and I became the victim of emotional abuse. The black and white easily allowed the narrative of the relationship to still be present within the work, motifs such as fingers in the mouth transitioned from eroticism to symbolism of the emotional abuse. It is a piece that allowed emotional release and acceptance.

## **Proulx, Catherine**

### **Gone // Lost**

This painting is inspired by the 2004 reports of the believed-to-be-extinct American ivory-billed woodpecker around the Cache River National Wildlife Reserve area in Arkansas. The ivory-billed woodpecker is a huge debate in ornithology; it was pushed to extinction around 1900 but due to its similarities with the common pileated woodpecker, there have been many dubious “sightings” of these birds since the 1930s. In this painting I wanted to show both the ivory-billed and pileated woodpeckers highlighted against a mysterious dark background and a subtle tilted binocular frame. These birds can be easily confused; they share territory and both have red crests. But the ivory-billed has a light beak and white on its wings where the pileated does not. The conversation about these birds is fascinating, and I want to know: are the American ivory bills gone, or just lost?

## UGRC RESEARCH PAPER ABSTRACTS

### **Abernathy, Sara**

“Engaging Nursing Students With Integrating the Best Practice Guidelines (BPGs) into Their Practice: A Year-Two Champions Project”

BPGs allow nurses to frame their practice around evidence-based recommendations. Currently, Nipissing University’s School of Nursing programs are undergoing curricular revisions to address BPG integration. As a way to contribute to this overall plan, Year Two students of the Scholar-Practitioner Program developed a student-led, student engagement activity for quality improvement that leads to BPG uptake into nursing students’ practice. Using the PDSA cycle, a pre-test was disseminated that examined participants’ familiarity, understanding, and competency using the BPGs in their own practice. A student-led BPG workshop was held and a gap analysis was distributed for participants to assess their current practice and identify areas for change. A post-test will be completed after nine weeks to analyze the changes that have occurred in participants’ knowledge and practice over a two-month period. The intent is to facilitate the consistent implementation of BPGs into one’s nursing practice upon entry into the workforce.

### **Adrain, Aidan**

“LIFE at War: A Exploration of LIFE Magazine’s Coverage of the Vietnam War”

My topic is concerned with LIFE magazine and its coverage of the Vietnam War. In the historiography of media coverage of Vietnam, the popular focus has been in television and the coverage of The Washington Post and New York Times exposé on the Pentagon Papers. This historiography has framed the media as crusaders of the people in the story of the Vietnam War. Television is framed as a medium without bias, and the papers, as a force for truth. However, my paper will explore the media in a different light, seeing popular media outlets like LIFE magazine as an avid supporter of the war in its early years. America was a country who had never lost a war, and off the attitudes of the “greatest generation” post-WWII, The wars that America had fought were assumed to be Just. Using theories like the domino theory and modern hypothesis like Hallin’s Spheres of media coverage, I will be able to knit together a narrative from LIFE magazines ranging from their support before the Tet offensive to their shift in focus after it. LIFE was concerned with the micro story. Portraits of the soldier’s experience were of prime importance when covering the war. Before Tet, this portrait of soldiers was one of support, one that depicted the conflict as just, in the eyes of the American public. Later the focus changed to that of loss, what soldiers lost, what their families lost. LIFE was the mirror in which the American attitude lived.

### **Ault, Andrew**

“Is Presidential Compensation Linked to Performance of Ontario’s Colleges?”

This paper aims to determine the impact College performance has on executive salary levels. This study uses the annual Sunshine List to discern three years of data for Presidential salaries, for a population of 21 colleges. Key performance indicators (KPIs) from surveys conducted by Colleges Ontario between 2010 and 2013, were used to assess lagged salary impacts. A number of linear regressions were conducted, with the dependent variable of most interest being Presidential compensation, and independent variables spanning the various KPIs, institutional size, full-time enrolment, region and the tenured years of the executive. The institutional size was the most bearing on both, performance and CEO compensation. Hence, a null hypothesis was found; specifically, that Presidential compensation does not significantly influence the performance of a college. With Ontario’s Colleges actively consulting the public on College CEO compensation, this paper provides an important foundation for those considering pay-per-performance mechanisms.

**Barlow, Elisa**

“Before You Begin: Why Bother?”

As part of a group effort to put together a writing guide written for students by students, I undertook to answer the following: why should I care about what I’m writing about in the first place? Research shows that not only is motivation necessary for completing an assigned task, but it is necessary to comprehend what you are doing to a far greater extent and to retain the information for longer than is necessary to pass an exam. This paper aims to not only discuss the relevance of caring about your homework beyond a grade, but also offers practical advice for fellow students. It is written to be part of a series of essays with the same intention in the chronological order of the writing process.

“Going Zero Waste: Experiential Learning in a Religion and Environment Class”

In this roundtable students will discuss their experiences of undertaking a Green Week in the context of a Religion and the Environment course. Drawing on their daily journals and the thrills and spills (literally) of trying to live ethically, carry everything in jars and generally live with no carbon food print, the presenters will discuss their challenges and successes. They will also talk about whether or not including an experiential component in the course was successful in adding a important dimension to their learning experience. The roundtable will conclude with a discussion of the implications for pedagogy more generally.

**Bass-Simpson, Mackenzie**

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**Bell, Siobhan**

“Violations of Indigenous Women’s Sexual and Reproductive Autonomy under Colonialism”

This paper aims to identify from an Indigenous feminist perspective that eugenics, defined as “the method of improving the intellectual, economic, and social level of humans by allowing differential reproduction of superior people to prevail over those designated as inferior” (Ralstin-Lewis 2005, 74), is a root cause of violence against Indigenous women. Policies such as the Indian Act of 1876 and Sexual Sterilization Act of 1928 were adopted through eugenic ideologies to eliminate and control the bodily autonomy of Indigenous women due to their active role in traditional Indigenous societies, a role which was foreign to the patriarchal structures in Eurocentric colonial systems (Ralstin-Lewis 2005, 71). From this perspective, this paper will further analyse existing evidence for the ongoing victimization of Indigenous women in contemporary society as a direct result of eugenic-colonial policies and practices that have allowed for the continued subjugation of Indigenous women through intentional discrimination and violence.

**Bennett, Kalen**

“A Pluralist or Nationalist Europe?”

My paper is an attempt to identify a source for the rise of anti-immigration, euro-skeptic, and nationalist politics in Europe. I argue that the simultaneous commitments to both pluralism and national identity found within the Treaty on European Union (TEU), one of the founding documents of the EU, can be a contradiction that encourages euro-skeptic nationalism. To show this, I will first analyze the TEU to show where the European Union has committed itself to the aforementioned principles. Then, I will look at the platforms of the UK independence party (UKIP) and the Rassemblement National (RN) in France to show how the assertion of a nation’s culture and sovereignty can come into conflict with the effort to build a continental pluralist identity. Finally, I consider the article “Identity, Immigration, and Democracy,” by Francis Fukuyama to show the deep roots of these anti-immigration views on citizenship.

### **Boissonneault, Taylor**

“Mental Health Policies, Services, & Practices: From Colonial and Institutional Oppression to the Development of Community-Based Programs”

People with disabilities, including people with mental health issues, have been oppressed in ways such as: being hidden by family, institutionalized, physically, emotionally, and sexually abused, sterilized against their will, socially segregated, and silenced politically (MacDonald and Friar 2010, 138; Steinstra 2018, 42). This paper combines disability rights, postcolonial, and critical theory perspectives to identify the importance of community-based practices in an examination of mental health policies and services. Taking a disability rights perspective aims to highlight the societal barriers faced by people with mental health issues as systemic inequalities, rather than problems of individuals (Steinstra 2018, 41). A postcolonial perspective will aid in an emphasis that mental health has historically been dominated by colonial, Eurocentric, and oppressive practices towards marginalized groups (Keller 2001, 311-312). A critical theory perspective helps highlight the importance of these historical contexts in which policies have developed out of the existing power relations (Steinstra 2018, 37).

### **Charlton, Luke**

“Municipal Budgets: Finding Sustainability Through Stocks”

Rural and northern communities will face serious economic challenges in the coming years because Canada's population increase is concentrated in large metropolitan areas. Taking North Bay as a case study for this essay, Stats-Canada shows a decline in population and an increase in the property tax burden on residents. Traditional solutions to this growing trend would suggest either decreasing services to place less of a burden on residents or to spend more money in hopes of attracting new businesses and people to the city. Traditional approaches seem unlikely to help, therefore, I propose for North Bay to heavily invest in the stock market to grow a fund so that the interest could offset costs of property taxation. Therefore, this paper will argue how adopting an extremely long-term budget for North Bay will result in less of a tax burden on residents and will result in long-term growth.

### **Cobean, Connor**

“More Than Just a Sex Object: Objectification of Men through the Female and Queer Gazes in ‘Rock DJ’ and ‘Relax’”

In music videos, the female and queer gazes are used to sexually objectify men. This objectification is similar to what Laura Mulvey tells us happens with the male gaze, where men are objectified just as the male gaze sexually objectifies women. In the videos for Robbie Williams's “Rock DJ” and Frankie Goes to Hollywood's “Relax,” the men are the focus of the videos, but the camera does not suggest their being viewed solely through a sexual gaze. In both cases the men are objectified because they are being stared at in an unwelcome manner, and this is accompanied by the questioning of sexual desire and identity. The female gaze in “Rock DJ” forces the male into a state of vulnerability. The queer gaze in “Relax” is used to express desire, but also to reinforce community and validate the self.

### **Coghill, Alyssa**

“‘There was nothing to do but go on:’ The Nature of Healing in Cheryl Strayed's *Wild*”

In literature, the ‘wild’ often signifies natural spaces, “in a state uncontaminated by civilisation” (Garrard 59). The purpose of my research will be to compare the usage of the word “wild’ within Cheryl Strayed's novel as it relates to her own experience, as well as to larger colonial patterns of land appropriation in American Wilderness literature. This will be accomplished through the examination of the ways in which wild spaces mirror Strayed's changing inner state. While Strayed works to dismantle the traditions set out by American wilderness literature, she nonetheless plays into the traditions of this genre that fail to represent Indigenous land ownership in any meaningful way. This juxtaposition of subversion and adherence marks the ways in which this genre has grown through works like *Wild* but must continue to adapt to changing conceptions of spiritual healing, self-actualization, and Indigenous land ownership.

**Cosman, Taylor**

“Going Zero Waste: Experiential Learning in a Religion and Environment Class”

In this roundtable students will discuss their experiences of undertaking a Green Week in the context of a Religion and the Environment course. Drawing on their daily journals and the thrills and spills (literally) of trying to live ethically, carry everything in jars and generally live with no carbon food print, the presenters will discuss their challenges and successes. They will also talk about whether or not including an experiential component in the course was successful in adding an important dimension to their learning experience. The roundtable will conclude with a discussion of the implications for pedagogy more generally.

**Coulas, Danielle**

“Wartime Xenophobia and Canadian Internees of World War One”

The purpose of this paper is to understand how wartime xenophobia and paranoia leads to the wrongful internment of citizens. In the case of this research, it will focus specifically on the internment of Ukrainian Canadians during the Great War. The introduction of the Wartime Measures Act in 1914 gave the Canadian Government the right to take away the civil liberties of those they felt were a threat to national security. This paper will argue that war creates an environment where the paranoia of the enemy makes it easier for society and government to intern those who were previously considered innocent. The paper will be looking at sources from internees themselves, as well as those who interned them and the public opinions on these events.

**Critelli, Christina**

“Understanding How the Change Day Activity Implemented in the Scholar Practitioner Program Informed Nursing Students’ Professional Identity Formation”

The nursing students of the Scholar Practitioner Program (SPP) engaged in a Change Day Ontario activity sponsored by the Health Quality Ontario and AMS Healthcare that aimed to improve quality compassionate care. They reflected on their personal experiences within the health care system and declared a pledge that would inform a change in the way clients experienced healthcare. This paper presentation will discuss a proposal that aims to explore how the Change Day activity may have contributed to the formation of nursing students’ professional identity. The current literature suggests that a lack of knowledge exists regarding the factors that influence nursing students identity formation. A descriptive qualitative design will be used with purposeful and criterion sampling. A focus group of 12 participants will engage in a 60-90 minute semi-structured interview. This study has the potential to contribute to future curriculum design and to student’s reflective practice.

**Dash, Melissa**

“Engaging Nursing Students With Integrating the Best Practice Guidelines (BPGs) into Their Practice: A Year-Two Champions Project”

BPGs allow nurses to frame their practice around evidence-based recommendations. Currently, Nipissing University’s School of Nursing programs are undergoing curricular revisions to address BPG integration. As a way to contribute to this overall plan, Year Two students of the Scholar-Practitioner Program developed a student-led, student engagement activity for quality improvement that leads to BPG uptake into nursing students’ practice. Using the PDSA cycle, a pre-test was disseminated that examined participants’ familiarity, understanding, and competency using the BPGs in their own practice. A student-led BPG workshop was held and a gap analysis was distributed for participants to assess their current practice and identify areas for change. A post-test will be completed after nine weeks to analyze the changes that have occurred in participants’ knowledge and practice over a two-month period. The intent is to facilitate the consistent implementation of BPGs into one’s nursing practice upon entry into the workforce.

**Dattani, Armaan**

“Dangerous Dames: A Study of the Postfeminist Femme Fatale in Pop Music Videos”

Though the femme fatale archetype is one which has been seen in pop music videos often, the emergence of a new femme fatale, one who kills for her own independence rather than to strip men of their privilege and power, indicates the rise of postfeminism. The postfeminist femme fatale is seen in a variety of narratives that justify and empower her as a hero rather than a villain in spite of her violence. Studies of this new archetype have been made in regard to film theory, the most prominent of which are included in Yvonne Tasker and Diane Negra’s *Interrogating Postfeminism*. The inclusion of the postfeminist femme fatale in pop music videos, such as “Dark Horse” and “Blank Space,” indicates the music industry’s effort to provide consumers with powerful female role models who reject traditional female passivity and attain independence as women.

**Davies, Diane**

“The Deity Project”

The Deity Project, has been the work of my fourth year BFA Thesis. I am loosely basing my research on the dichotomy between the nude anatomically female body, and the naked. This dichotomy between the naked and the nude is coined by Kenneth Clark in his work *Naked and the Nude*: nakedness suggests one is ashamed or deprived, while the nude implies that one is comfortable and confident. I am exploring this theme through the production of three textile body suits for three models. My research of the Goddess figure through religious text and ecofeminist theory, has led me to using domestic craft, video documentation and gravitationally orchestrated performance art to celebrate the anatomically female body. The three suits are embroidered and screen printed to emphasize the flesh beneath the cotton knit fabric in a way that celebrates the body.

**Dawson, Emily**

“The Role of Writing in Resisting Tyranny”

Reflecting on times when democracy has been threatened the most, we gain insight into the value that literary works provide in society. This paper explores the historical role of writing in resisting tyranny and why writers are often heavily targeted by authoritarian regimes. Furthermore, this paper argues that we must emphasize the importance of putting effort into preserving writing in today’s society.

**DeBartolo, Daniella**

“Understanding How the Change Day Activity Implemented in the Scholar Practitioner Program Informed Nursing Students’ Professional Identity Formation”

The nursing students of the Scholar Practitioner Program (SPP) engaged in a Change Day Ontario activity sponsored by the Health Quality Ontario and AMS Healthcare that aimed to improve quality compassionate care. They reflected on their personal experiences within the health care system and declared a pledge that would inform a change in the way clients experienced healthcare. This paper presentation will discuss a proposal that aims to explore how the Change Day activity may have contributed to the formation of nursing students’ professional identity. The current literature suggests that a lack of knowledge exists regarding the factors that influence nursing students identity formation. A descriptive qualitative design will be used with purposeful and criterion sampling. A focus group of 12 participants will engage in a 60-90 minute semi-structured interview. This study has the potential to contribute to future curriculum design and to student’s reflective practice.

**Dejong, Jade****“Defecting with Open Arms: A Chieu Hoi Analysis”**

This project discusses the Chieu Hoi initiative by the South Vietnamese in collaboration with the American government to encourage defection from the National Liberation Front. The project focuses on specific research questions such as “In which way was psychological warfare a part of the Vietnam war? How does this explain the enemy rationale behind defecting? What is the Chieu Hoi initiative? How were the conditions for both groups in the Vietnam War? The bulk of this project’s evidence base is on sixty interviews of the Vietnam defectors. The interviews will guide an in-depth analysis of enemy and defector rationale. This in conjunction with in-depth secondary sources will analyze the defectors in a different light, contributing to the greater historiography.

**Dewey, Devanee****“Manual Goal-Directed Aiming Differences Between Sexes Using a Double-Step Paradigm”**

It has been demonstrated that sex differences exist in online control of goal-directed manual aiming. The purpose of this research was to further examine these differences through the a double-step perturbation paradigm using both physical and visual perturbations. Twenty-four participants were recruited to take part in a manual aiming experiment whereby three dimensional limb kinematics were measured throughout the experiment to quantify temporal and spatial differences between sexes. Over 12 experimental conditions, utilizing a physical displacement perturbation and/or a prismatic visual perturbation, the differences in movement kinematics hoped to be elucidated. Data will be analyzed using separate mixed 4-factor ANOVA’s. Anticipated results are that males will demonstrate a preference for speed, but be subject to inaccuracies when perturbations occur, whereas females will prioritize accuracy, even when perturbations occur, at the cost of speed. These results are also congruent with how much emphasis is placed on visual information during the movement.

**Dirksen, Ryrrie****“Make Peace Not War: The History of the Non-Resistant Relief Organization”**

The Non-Resistant Relief Organization (NRRO) was a fundraising organization that collected war relief funds as a form of gratitude toward the government for granting Mennonites and Brethren in Christ (Tunkers) bodies’ exemption status in response to the Military Service Act of 1917. These men wanted exemption status so they could abide by their historically rooted belief in pacifism. My research question is: How does the history of the NRRO demonstrate the relationship between the Canadian government and minority religious groups in Canada? This paper will argue that the formation of the NRRO emphasized socio-political tensions between the Canadian government and minority religious groups in Canada. Due to the lack of scholarship on the NRRO, the historiographical framework is largely scholarly work centered on Canadian Mennonites as well as scholarly research regarding the history of pacifism. Primary sources for this paper include letters, NRRO correspondence, NRRO minutes, and government documents found in the NRRO Archives.

**Dixon, Amanda****“Canadian Values of World War Two as Seen Through the Adventures of Johnny Canuck”**

Johnny Canuck is a famous example of a Canadian wartime comic book series created by Leo Bachle. Featured in “Dime Comics,” Canuck, devoid of any superpowers, faces the enemies of the Allied Forces in order to defend Canada’s rights and values. Through this famous piece of Canadian wartime propaganda, Bachle tries to influence his readers to have a sense of clear Canadian pride, and justification for our involvement in World War Two. This paper endeavours to show the many ways that Comics can depict popular morals and beliefs delivered to the general public. This is done through a specific case study of the Johnny Canuck series, and the Canadian values that it presents. Through this study, it can be concluded that the goal of the Johnny Canuck series was to justify Canada’s involvement in the war by promoting the ideal Canadian Soldier of the time.

**Elias, Ilham****“Changing Nurses’ Attitudes toward Post-Hysterectomy Depression”**

In North America, hysterectomy is the second most common surgery among premenopausal and menopausal women, and women who undergo hysterectomy are at an increased risk of depressive disorders partially due to the symbolic significance of the loss of a uterus. Relevant literature suggests that nurses should offer counselling and anticipatory guidance towards women regarding their loss. However, in current practice, Nurses have reported feelings of uncertainty and discomfort associated with such discourse. This study explores a potential solution, which is the incorporation of a journal club as a forum for Nurses to discuss and share knowledge on post-hysterectomy depression. Interested nurses would be invited to attend meetings where journal articles would be reviewed and discussed. Due to the self-directed and self-reflective nature of this learning strategy, a journal club may inspire Nurses’ critical thought of post-hysterectomy depression, and ultimately their perspective.

**Feng, Olivia (Jia)****“The “Real” Outcomes of Language Learning: The History of English Language Education in China”**

This paper examines the history of English Language Education (ELE) and its societal role in China from 1900 to 1990. To investigate the connections between ELE and the political trends and movements in modern China, my research examines textbooks written and used in 1913, 1976, and 1979 China. These texts were implemented under different regimes, showing that the historical and political trends shaped the development of ELE in China by two forces: namely, Western missionaries and Chinese reformers. The Western missionaries promoted ELE in an attempt to expand their colonial influence, while the Chinese reformers and government parties explored strategic ways of learning English to fight against colonization and aid in nation-building throughout the 20th century. Overall, I argue that ELE helped Chinese language learners come to a deeper sense of self-understanding in terms of their cultural, linguistic, and ethnic identities.

**Ferris, Rebecca****“Women’s Place in Today’s Military: An Examination of Canadian Forces Policies”**

This paper examines experiences of women in the military from a feminist perspective, which, as defined by Newman and White (2012, 2), “... is a theoretical project whose purposes are to understand the power structures, social practices, and institutions that disadvantage and marginalize women, and to devise innovative strategies of social transformation that will promote women’s emancipation.” While the military has made great strides to improve its treatment of female members, the experiences of those who have served and are serving demonstrate that the Canadian Forces still requires innovative strategies to overcome male-dominated power structures and social practices, which are hostile to women and have contributed to gender-based misconduct. This paper aims to identify potential strategies based on an examination of existing policy reports, including the Canadian Armed Forces Action Plan on Inappropriate Sexual Behaviour, and Strong, Secure, Engaged: Canada’s defence policy.

**Fournier, Patrick-Aurel****“‘Nos Gentibus Spinam Dorsi Removerent’: Regimental Museums and Commemoration in Ontario, 1940s – 2018”**

My research paper will cover Military Regiments in Ontario and give a voice to what narrative their museums and other commemorative pieces portray. The methodology of my research was producing primary research at select Ontario Regimental Museums and analysing their museums first hand. The anticipated conclusion of my paper is that the histories of military regiments in Ontario represent the values and histories of each of their respective communities.

**Fraser, Stefanie****“Barriers that the Canadian Indigenous Community Faces in its Fight Against HIV/AIDS”**

Within the Canadian Indigenous communities, HIV is having a profound impact on women and young people. According to the 2006 census results, close to 1.2 million people identify as Indigenous, representing 3.8% of the population of Canada. This paper focuses on the prevalence of HIV/AIDS within the Indigenous population from an intersectional feminist perspective that highlights barriers to Indigenous women's sexual rights, especially their access to proper health care services. It examines the intersecting risks an Indigenous woman faces that prevent her from accessing proper health care against the historical backgrounds of colonial policies and practices that affect the overall health of the Indigenous population. A closer examination of what is already in place by way of improving health care access for Indigenous population helps suggest what needs to be done in the future to prevent the spread of HIV/AIDS in Indigenous communities.

**Gauthier, Samara****“Resilient Classrooms: Cultivating Students' Academic and Personal Growth Through Nurturing Learning Environments”**

Research has shown that learning problems do not arise from within the child, but instead reflect an imbalance between the learner and the features of their learning environment. The purpose of this paper is to clarify why educators should focus on evolving their classrooms into resilient communities instead of emphasizing the need to change the individual student. By placing an emphasis on creating a welcoming and nurturing classroom that promotes resilience, schools can effectively engage students in their learning and personal growth. The three research questions investigated are: “Why do students need resilient classrooms?”, “What are the benefits of resilient classrooms?” and “How does one create a resilient classroom?”. The goal of this paper is to develop a better understanding of how creating warm and consistent learning environments, through the classroom promotion of resilience, can foster the same resilience within a child.

**Girard, Jacqueline****“Until Surrender: Interpreting the Allied Policy of Area Bombing from 1939 to 1945”**

This paper presents a critical analysis of the Allied policy of Area Bombing during the Second World War with an emphasis on the Bombing of Dresden from February 13th to 15th 1945. Topics discussed include the Resolution for Protection of Civilian Populations Against Bombing from the Air in Case of War, the Allied motives behind Area Bombing, German destruction from aerial attacks 1939 to 1945, the Dresden raids and its impact on the Axis war effort, critics of Area Bombing, and the effect of the ethical controversy on Dresden and other Bomber Command Veterans. After the destruction of Area Bombing, especially that of Dresden, Allied morality was disputed. The war from 1939 to 1945, however, was a total war; fought by both combatants and non-combatants, until surrender.

**Gordon, Cory****“In the Name of All that is Fascist: Ireland's Opinion on General Eoin O'Duffy's Crusade in Spain”**

With the outbreak of the Spanish Civil War, the world was divided on what was to be done. No country was as divided as Ireland due to the religious nature of the war. The Nationalist uprising claimed to be defending the Catholic Church from the Communist government. An Irish Volunteer Brigade was raised and traveled to Spain to support Francisco Franco's Fascist uprising, this paper will look at how newspapers in Ireland wrote said Brigade. Due to the controversial nature of the Brigade, newspapers across the country published very different opinions on the Brigade. To understand the many opinions, newspapers have been gathered from several archives, including the Irish Newspaper Archives and the Irish Times Newspaper Archives. Through my research, I suspect to find that despite the Fascist motivations behind the Nationalists, the majority of Irish papers will support the Volunteer Brigade and their quest to defend Catholicism.

### **Gordon, Maggie**

#### **“I Was Here’: Suicide in Contemporary Young Adult Fiction”**

With the recent success of the Netflix adaptation of 13 Reasons Why, the Tony-award winning Broadway musical Dear Evan Hansen, and Logic’s Grammy nominated “1-800-273-8255”, it seems that young adults are craving narratives with adolescent suicide as the central theme. Suicide is the third leading cause of death in adolescents worldwide; however, suicide in YA literature remains largely unstudied. In this paper, I explore some of the philosophical issues surrounding suicide that are being brought up in contemporary YA literature. Specifically, I look at two essays by Albert Camus – “An Absurd Reasoning” and “The Myth of Sisyphus” – and Freud’s theory of the death-drive. I am most interested in how the ideas of Camus and Freud work with the YA themes of power, repression, and rebellion that Roberta Seelinger Trites has identified in *Disturbing the Universe* – and ultimately how suicide is constructed as a particularly adolescent problem.

### **Grabeljsek, Jelena**

#### **“Engaging Nursing Students With Integrating the Best Practice Guidelines (BPGs) into Their Practice: A Year-Two Champions Project”**

BPGs allow nurses to frame their practice around evidence-based recommendations. Currently, Nipissing University’s School of Nursing programs are undergoing curricular revisions to address BPG integration. As a way to contribute to this overall plan, Year Two students of the Scholar-Practitioner Program developed a student-led, student engagement activity for quality improvement that leads to BPG uptake into nursing students’ practice. Using the PDSA cycle, a pre-test was disseminated that examined participants’ familiarity, understanding, and competency using the BPGs in their own practice. A student-led BPG workshop was held and a gap analysis was distributed for participants to assess their current practice and identify areas for change. A post-test will be completed after nine weeks to analyze the changes that have occurred in participants’ knowledge and practice over a two-month period. The intent is to facilitate the consistent implementation of BPGs into one’s nursing practice upon entry into the workforce.

### **Heon, Dakota**

#### **“Missing Spirits: Embracing Indigenous Gender and Sexuality to Engage Men in Violence Prevention Efforts”**

There are three theoretical perspectives that have provided guidance to address gender inequality and engage men in gender-based violence prevention efforts. These three theoretical perspectives include feminism, intersectionality, and gender analysis. Authors writing from these perspectives have pointed toward patriarchy as a main structural barrier that undermines gender equality and efforts to promote men’s engagement. As useful and as comprehensive as these perspectives are, this paper argues that an Indigenous perspective is missing. By including an Indigenous perspective, efforts to engage men can become more holistic. Specifically, by incorporating Indigenous notions of masculinity, femininity and two spirit, and by analyzing patriarchy’s influence and effects on these notions can help not only make efforts of men’s engagement more comprehensive, but also provide alternatives to patriarchy, such as practices that are more matriarchal and egalitarian, leading towards a pathway forward.

### **Hojo, Ryoga**

#### **“Synthesis of 3-methylene-2,3-dihydrothiazolo[3,2-a]indoles via a Copper-Catalyzed Hydroamination Step “**

Synthesis of fused heterocyclic frameworks is an important area of research because of their great potential for being biologically active. In particular, indole-fused heterocycles are classified as “privileged structures” because many of them have been found to display several interesting biological properties. In recent years, transition metal-catalyzed reactions have been proven to be invaluable in the construction of diverse types of indole-fused heterocyclic frameworks. We have an ongoing interest in the development of novel strategies to access S-containing functionalized indoles. Towards this end, we have recently developed a methodology for the synthesis of 3-methylene-2,3-dihydrothiazolo[3,2-a]indole core, involving a Cu-catalyzed hydroamination step, starting from 2-S-propargylated indole-3-carbaldehydes. Interestingly, the formyl group at the 3-position on indole appears to be crucial in the formation of the products having exocyclic methylene group. A brief outline of recent results from our laboratory as well as the details of these studies will be presented.

**Hummel, Taylor**

“Organic Produce Consumption in Canada: Theory of Planned Behaviour and Influence of Lifestyle, Values, Perceived Affordability and Consumption Patterns”

The organic food industry has grown continuously over the last two decades and is frequently regarded as one of the biggest growth markets in the food industry. In Canada, organic produce markets have been steadily expanding for years. To date, studies profiling organic industries and their consumers are largely limited to Europe. This yields important holes in our understanding of organic consumers in other countries like Canada. The aim of this study, then, is to determine what motivations, barriers, and demographic implications affect Canadian organic produce consumers. In doing so, a literature review is conducted to summarize what is known and identify any gaps in organic consumer knowledge. This leads to the development of a conceptual research model for organic produce purchasing in Canada based on Theory of Planned Behaviour. In the next stage of this study, data collected on Canadian organic produce consumers will be analyzed using this model.

**Kaba, Ismael**

“Mapping Mangrove Forest Trends Along the Coast of Guinea, West Africa, from Multi-Temporal Landsat Imagery”

The mangrove forests of Guinea are an integral part of the tropical coastal environment but have experienced an overall decline due to natural forest cycles and anthropogenic land usage. This investigation maps the pattern of changes in these forests around the capital city of Conakry. Using multiband satellite imagery of the region, changes in the forest cover were identified by calculating vegetation trends over the period 1986-2018. These changes were quantified by several statistical measures, which were subsequently displayed as easily-interpreted maps. Based on the results of previous studies, it is expected that the losses will be concentrated in areas that were converted to rice paddies or other anthropogenic purposes, and that those converted areas will not recover. Conversely, the areas of gain will be more spatially variable as a result of smaller scale natural forest processes.

**Kay, Frances**

“From Camp to Base: The Origins of Base Borden”

This project examines the origins of Base Borden from the time it was created as a military camp in 1916 CE, to the time that its name was officially changed from a camp to a base in 1966 CE. My main research question is, why did Camp Borden developed and then subsequently transformed into Base Borden. Methodologies include secondary sources such as books that have already been written about the topic. Methodologies also include primary research conducted at the Simcoe County Archives in Springwater. The anticipated conclusion is that the Camp and subsequently the Base was developed based upon need and also at times a lack of need.

**Kent, Brittany**

“Access to a Mentorship Program in Higher Education and the Quality of Indigenous Students’ Experience”

Inequalities are evident throughout literature that relate to lower graduation rates among Indigenous students, as a result of systemic, intergenerational effects of colonization and Canadian residential schools. Addressing inequities from adversity, oppression and racism will contribute to Canada’s journey to Reconciliation and to equitable representation of Indigenous peoples within higher education institutions. Established mentorship programs have been designed to improve Indigenous students’ experience within Canadian universities. The opportunity to participate in a mentorship program will contribute to a positive experience. Further research is imperative for an accurate portrayal of how the quality of the university experience, among Indigenous students, is influenced. A systematic review of literature was conducted to conclude that mentorship programs have positive impacts on indigenous students. Programs will aid in prevention of assimilation of Aboriginal students to Eurocentric values and morals. Improve application and graduation rates, as well as skill acquisition for contribution to reconciliation.

**Laberge, Brody**

“Mentorship as a Strategy to Address Horizontal Workplace Violence Experienced by Graduate Nurses in Canada”

Horizontal workplace violence, or “nurses eating their young”, is a common and detrimental phenomenon experienced by many graduate nurses in Canada as they enter professional practice. Often, the severity of the workplace bullying can lead to some nurses leaving the profession entirely. In order to address this issue, nursing leaders must investigate what effective strategies are currently being used in practice to prevent acts of horizontal workplace violence against newly graduated nurses. Through a literature review, methods that address horizontal workplace violence against graduate nurses in Canada will be explored. One such strategy, creating formal mentorship programs, can be developed within the workplace and offers a simple, cost-effective way to build professional relationships between graduate and senior staff nurses.

**Lauzon, Sophie**

“After War: Honor and Remembrance in Society”

The World Wars were astronomical events that in turn would change many lives forever. One of the many things that would come after these Wars, as people sought to make peace with the losses they were dealt, would be the various ways they chose to honor their fallen soldiers. In recent years the study of Memory in relation to War, particularly as it relates to the way society chose to remember the wars in the past, as well as how we today choose to view or discuss War, is an interesting topic. This essay will explore this idea, specifically as it relates to the way that the town of Vankleek Hill has honored its fallen soldiers in the past, and how it does so in the present. With a particular focus on the purpose behind it's honoring of the fallen in the past, as compared to the present-day equivalent.

**Lyons, Stephanie**

“Green Room Hermaphrodites and Stranger Shores: The Modern Sanitization of Cross-Dressing in the Films Shakespeare In Love and Stage Beauty”

In the paper Green Room Hermaphrodites and Stranger Shores: The Modern Sanitization of Cross-Dressing in the Films Shakespeare In Love and Stage Beauty I examine the juxtaposition of contemporary portrayals of cross-dressing in the early modern period with those in works from the late 16th century. The return to heterosexual norms which appears in both films undermines all earlier exploration of the fluidity of gender and the prosthetic and performance elements which are incorporated into sexuality and modern portrayals of gender in the respective pieces. When reflecting on works such as Middleton and Dekker's The Roaring Girl or Ben Johnson's Epicoene, both written 400 years earlier, one cannot help but conclude that the works which artists were creating in centuries past were more willing to look beyond social constructs of gender than our own 'progressive' society is producing today.

**Marrast, Eric**

“iLead Jamaica 2019: Social Marketing”

The main purpose of this draft plan is to establish a social marketing method to promote and incorporate organic farming within the St. Ann's parish farmlands, with the possibility of expansion within the Jamaican community. The advantage of organic farming will be discussed as it pertains to the parish of St. Ann's sector. The social marketing approach will be identified by means of advertising within the community. A feasibility plan will be introduced, along with strategic options and a project timeline. All of the following factors will help to determine which method should be used by the client to create awareness of organic farming within the community of St. Ann's Parish.

### **Maturana, Javiera**

“Roundtable on Experiential Learning - Going Zero Waste: Experiential Learning in a Religion and Environmental Class”

The roundtable will be composed of students who will discuss their experiences of undertaking a Green Week in the context of a religion and the environment course. They will be drawing upon their daily journals and their experience of trying to live ethically and live with a no carbon foot print, as students will discuss are challenges and successes. Furthermore, we will discuss about whether or not including a experiential component in the course was successful in adding an important dimension to our learning experience. The conclusion of our roundtable will conclude with a discussion of the implications for pedagogy more generally.

### **McLaren, Benjamin**

Eighteen Minutes of Infamy: The Sinking of the *Lusitania* and the Role of the Press in the First World War

On May 7, 1915, the British passenger liner R.M.S. Lusitania was torpedoed and sunk by a German U-Boat off the coast of Ireland. Among the 1,198 people who lost their lives were mostly British, Canadian, and American civilians. Newspapers were tasked with reporting the story and publishing it for release the following day. In many cases, the journalists writing these reports knew they had people’s attention and seized the opportunity. These reports often emphasized Germany’s cruelty or the loss of innocent life, intending to spark outrage in their readers. The result was widespread condemnation and cries to avenge the people who died when the Lusitania went down. Opinions among various communities shifted against the Germans. The result shook American neutrality and caused civilians to turn against their neighbours just because of their ethnic backgrounds. The story was curated to create this outrage and was quite successful.

### **Montgomery, Kimberly**

“Modeling Stream Chloride Concentrations in Rural and Urbanizing Watersheds Impacted by Road Salts in Central and Northeastern Ontario”

Road salts are known to impact ecosystems, which is an extensive problem in highly urbanized areas. Biological studies are presenting evidence contradicting current standards proving that lower concentrations of chloride (Cl) is effecting lake biota. This poses questions on how rural and moderately urbanized settings are impacted. High-frequency measurements of electrical conductivity (EC) in impacted streams are used to evaluate Cl loading and how/when chloride moves into streams. Using EC as a proxy of Cl is worth investigating compared to traditional biweekly/monthly sampling. This study examines relationships between EC and Cl samples to investigate Cl movement into streams in rural-moderately urban watershed in Central/Northeastern Ontario. Modestly-strong linear relationships were found for select road impacted sites. High-frequency EC and meteorological records were used to search for Cl events. This approach can be further used to analyse impacted streams in shield watersheds to model chloride, and further determine its impact.

### **Nakamura, Arthur**

“Manufacturing an Enemy; Images of the Japanese in Propaganda Films of World War Two”

The topic I wish to present on is the racialized images of the Japanese used in Allied propaganda films during the second world war. Early Hollywood films had depicted Asian people as a ‘yellow peril’ to the white population. These images would gradually become more hostile and negative as the war progressed. I will examine a variety of Films from the 1942-1945 period, focusing specifically on propaganda films, many from the US Department of Defence, but also some from Pathe. I will examine how the changing message reflected the changing nature of the war as the United States and allied powers became increasingly involved in the war and suffered higher casualties. I will focus on the content of these film, what the images represent and the arguments made by the individual filmmakers, and specifically to see if these films are serving as a justification for an increasingly violent war.

### **Nangia, Rahdika**

“Visual Perceptual Skills Among Children: Effects of Gender and Age”

Visual perception skills comprised of the development of visual attention, visual memory, and visual discrimination are strongly correlated to academic success. This study aims to determine the effects of gender and age on selected visual perceptual skills among 36 children between the ages of nine and fourteen. The study conducted at MacLeod Public School Sudbury involved three tests to examine the students' abilities in recalling shapes and colours, identifying various objects and differentiating between two images. It was hypothesized that males, evolutionarily having more visuospatial awareness, would surpass females in all three tests. Also, it was expected that there would be no association between age and visual perception as most development changes in visual perception occur by the age of nine. Results showed that the effect of gender and age on visual perception skills were minute except for age on image identification, indicating a need for further research.

### **O'Donnell, Michelle**

Analysis of Northern Ontario *Inonotus obliquus* (Chaga) from Yellow Birch Trees using High Performance Liquid Chromatography Mass Spectroscopy

Edible mushrooms such as Chaga have been used in many studies demonstrating their medicinal properties. Chaga attracts people's attention for its positive effects on lipid metabolism, as well as for antibacterial, anti-inflammatory, and antimutagenic abilities. It contains many bioactive constituents, such as its polysaccharides and phenolics that have been reported to have anticancer and antioxidant capabilities. The Chaga used in these studies is primarily sourced from Siberia, however studies using Northern Ontario Chaga are limited. Our research group is actively involved in studying the structure and medicinal properties of Northern Ontario Chaga. The analysis of ethanolic, water, methanolic, 70% ethanolic/water, ethyl acetate, and chloroform extracts of Northern Ontario Yellow Birch Chaga was done using high performance liquid chromatography (HPLC) in tandem with mass spectroscopy. Basic normal phase silica gel columns were used to partially purify the extracts and the gradient conditions along with the parameters were optimized for the HPLC.

### **Pitcher, Olivia**

“Family, Identity, and the Natural World in *Medicine Walk* by Richard Wagamese”

In this paper, I explore the function of the 'wild' in Canadian author Richard Wagamese's novel *Medicine Walk*. I discuss the ways in which the wild is depicted as a natural backdrop for the strengthening and nurturing of both identity and family bonds, and I argue that Wagamese presents the wild as the place humans can experience what is “real,” in one character's words. In this novel, the wild seems to be a force that draws out a person's real and raw thoughts, feelings, and needs. In this way, it is also the place where all three of Wagamese's primary characters are able to learn about themselves and each other, forming stronger relationships and a new sense of what it means to be a family.

### **Plante-Schneider, Rayna**

“The Women's Suffrage and the use of Nonviolent Protests”

This paper focuses on the struggles women faced during the suffrage movement and what effective protest strategies they used to attain the vote. I examine what kind of non-violent methods were successful during the women's suffrage movement. Research on Nellie McClung, a Canadian suffrage activist, reveals the way in which women employed non-violent methods, including humour during rallies and protests to win the right to vote. Using Srdja Popovic's manual, *Blueprint for Revolution*, I argue that non-violent methods played a crucial role in the success of the suffrage movement.

**Reid, Christina**

“Standing Rock: The Protectors that United a Nation”

This paper explores the nonviolent struggles seen at Standing Rock in Cannonball, North Dakota. The camp was set up to protest the proposed construction of the Dakota Access Pipeline. Through the help of social media, the members of the Standing Rock Sioux Tribe created one of the largest nonviolent protests of Native Americans and their supporters in more than a century. Research into the events shows that the people of Standing Rock were able to use many of the nonviolent methods outlined in Srdja Popovic's Blueprint for Revolution. The protestors used dream big: start small, maintaining unity, making oppression backfire and the 'pillars of power' to guide their protest. In this paper, I will explain the Standing Rock Sioux demonstration and I will argue that although the initial rally to stop the pipeline was unsuccessful it was a very successful nonviolent protest for many people around the world.

**Renaud, Carly**

“Erasing the Indian, Eroding the Culture: Indigenous Representation in Literature”

This paper is an examination of the lack of Indigenous representation in Jack London's “The Call of the Wild”, and how subsequent texts in the wilderness adventure genre respond to London's work. I argue that London's erasure of Indigenous people results in an ideological justification for the occupation of Indigenous land, which becomes a reoccurring feature of the genre. I also analyze how Indigenous literature emerges in response to the lack of representation. Finally, I explore how contemporary Indigenous writers provide narratives which write Indigenous representation back into literary history.

**Retty, Teagan**

“The use of Biofeedback to Improve Running Economy in Novice Runners”

This study measures the degree to which the provision of visual feedback indicating the alignment of the leg axis with the ground reaction force can lower the oxygen-cost of level-ground running in novice runners. Subjects run at various percentages (50%, 65%, and 80%) of their VO<sub>2</sub>max two different days which are randomly assigned as with and without biofeedback. It is our hypothesis that within a single bout of running, visual feedback indicating the alignment of the leg axis with the ground reaction force will reduce the oxygen-cost (i.e., improve the running economy) of running at a given speed compared to when no feedback is used.

**Robitaille, Nicole**

“Domestic Horrors and the Female Gaze in St. Vincent's “Cruel” and Mitski's “Happy””

This paper analyzes two music videos, Mitski's “Happy” and St. Vincent's “Cruel”, which are linked by their domestic horror settings and their use of the female gaze. The male gaze is normally defined following Laura Mulvey's definition of the erotic look, where the gaze separates observers into active/male/subjects and the observed into passive/female/objects. This paper argues that the female gaze is being used in these videos to complicate these categories, where the female subject is placed in a more passive role as she observes the more active male subject due to the tension inherent in horror settings. The power of the female gaze does not come from its omnipresence like the male gaze, but rather from the ability of the protagonist to see things before the viewer and to prepare the viewer to react in a similar way when the horror scene is shown on screen.

**Scoville, Erica**

“A Critical Analysis of the Representation of Fat Women in Popular Television Series.”

Currently, I'm completing an undergraduate thesis on the representation of fat women in Netflix's dramatic television series, *Insatiable* (2018- ). My objective is to understand the complexities of how fat women protagonists are portrayed broadly in popular English-language film and television productions, and to question if non-traditional deceptions exist. My theoretical approach is situated in cultural studies as it acknowledges the many intersections of oppression that play a role in the construction of social relations, with an emphasis on one's physical appearance. I have chosen to use Rhetorical Criticism for my research and plan to examine the messages that are being communicated to the audiences of this popular television drama. Overall, I am aiming to discover how these depictions of fat women are associated with their identity through stereotypes such as, their relationships with food, health, sexuality, as well as the societal relationship between size and beauty.

**Sewell, Abigail**

“Civilian Sacrifice: The Creation of the Meaford Military Base”

My project will focus on the creation of the 4th Canadian Division Training Centre in St. Vincent Township in 1942. During World War Two the Canadian Government needed a new training facility for soldiers in preparation of deployment. The Canadian Government surveyed agricultural land located on Southern Georgian Bay in St. Vincent Township. At the time one hundred and fifty-two families occupied that agricultural land. The government forced these occupants to vacated their homes and land in a matter of two weeks, with little compensation and with a promise to return. My research questions will focus on why the government chose this particular land and how did this expropriation ultimately affect these families that had lived on this land for generations? Through memoirs, interviews, and local sources I understand the impact of government action, and the negative impact expropriation by the government had on families, agriculture, and the surrounding communities.

**Shillum, Edie**

“Using Graphing to Test a New Topological Space”

There is an open question if there exists a  $1/3$ -homogeneous fan that is not smooth. A not smooth fan is a fan where the arms tend to bend back towards the vertex. My research was focused on testing properties of an attempt to construct a  $1/3$ -homogeneous non-smooth fan. I created sequences and graphing programs in Python to help determine whether this construction is correct by looking at the composition and translation of a function. Ideally, that composition and translation of a function will be the homeomorphism that will take each arc of the fan up to the top most arc in the fan.

**Shulman, Jacob**

““If you want something done right...” Law and Order in Minsk 1937-45”

This paper will compare the internal security apparatuses of both the Soviet State and the Nazi one. Using Minsk as a case-study, the paper will compare the planning, organization, and execution of repression on the local population. The goal of the paper is to discover similarities between the NKVD and the Gestapo, and attempt to tease out why these similarities exist. Was there an on the ground difference between the experience of National Socialism and Soviet Socialism? How could the Soviets judge the Nazis for doing essentially the same thing? The bulk of the source base comes from the Soviet investigation of war crimes. The rest comes from Soviet legal documents, mostly pertaining to operations taken by the NKVD. I suspect the answer for a lot of these questions will be ideological. The necessity of mass murder is pronounced when building a Utopia.

**Simone, Samantha**

“Engaging Nursing Students With Integrating the Best Practice Guidelines (Bpgs) into Their Practice: A Year-Two Champions Project”

BPGs allow nurses to frame their practice around evidence-based recommendations. Currently, Nipissing University’s School of Nursing program is undergoing curricular revisions to address BPG integration. As a way to contribute to this overall plan, Year Two students of the Scholar-Practitioner Program developed a student-led, student engagement activity for quality improvement that leads to BPG uptake into nursing students’ practice. Using the PDSA cycle, a pre-test was disseminated that examined participants’ familiarity, understanding, and competency using the BPGs in their own practice. A student-led BPG workshop was held and a gap analysis was distributed for participants to assess their current practice and identify areas for change. A post-test will be completed after nine weeks to analyze the changes that have occurred in participants’ knowledge and practice over a two-month period. The intent is to facilitate the consistent implementation of BPGs into one’s nursing practice upon entry into the workforce.

**Smith, Dorian**

“Where are the Women?”

This paper explores the roles women played in non-violent protest, and why women are less likely to be recognized for their efforts than men are. We commonly see the names of men who have led nonviolent protest movements like Martin Luther King and Harvey Milk, but seldom do we see the names of women. The question that arises is, where are the women who have led nonviolent protest movements? We know that women contributed and played huge roles in some way, and in many cases women who led nonviolent protest movements never received the proper recognition. Research shows that women’s contributions to nonviolent movements have been profoundly overlooked, but why? This essay will argue that there is a great absence of women’s names through out history due to authors not mentioning them, and it will also highlight some of these women by discussing some key protest movements led by women.

**Syed, Muzammil**

“Centrosome-associated Protein 350 (CEP350): A Potential Novel Marker for Critical Limb Ischemia”

Over 200 million people suffer from peripheral artery disease (PAD) worldwide, of which 5-25% progress to critical limb ischemia (CLI), which has devastatingly high rates of lower limb amputations and mortality. No definite tools have been developed so far that can help physicians diagnose early-stage CLI. A random group of non-PAD and CLI patients underwent mass and confirmatory ELISA experiments (n=60). Receiver operating characteristic (ROC) curves, area under the curve (AUC), Youden index, and corresponding 95% CI were calculated. Our mass spectrometry data and confirmatory ELISA experiments identified centrosome-associated protein 350 (CEP350) as a potential marker for CLI. ROC analysis demonstrated an optimal cutoff point for CEP350 to be 10006 pg/ml (Youden index=0.80; sensitivity = 96.7%; specificity = 83.3%). For the first time, we have demonstrated that CEP350 protein with a cut-off point of 10006 pg/ml can be used as a potential diagnostic marker for CLI.

**Szabicot, BJ**

“Light Wallet or Heavy Heart: Factors Influencing Human Migration in Northern Ontario”

Human migration in Ontario shows a number of trends. Firstly, young people – mid-twenties and younger – move to Large Urban Centres (LUCs) seeking educational and employment opportunities. Secondly, few people migrate between their mid-twenties and final years of employment, and in retirement only move to be closer to friends and family. Thirdly, international migrants almost universally congregate in the Greater Toronto Area (GTA) upon arrival in Ontario, and rarely move again if they have integrated with a similar ethnic community. This paper will use Statistics Canada data to first confirm the trend of urban immigration of youth at the small-to-medium sized community level (as compared to the LUC level), and then to test the relative influence of economic and social factors (in particular the desire for family or co-ethnic association) on human migratory behaviour in select Northern Ontario communities. Finally, policy direction and community formation implications will be explored.

### **Thompson, Abbey**

“Facebook to Ballot Box: Impact of Online Projected Personalities of Political Candidates on Electoral Success”

The study of language has been one of the longest standing topics of research. As we adapt to the evolution of language use through online platforms, the research of language should follow suit. This study investigates the relationship between electoral candidate’s online content with projected brand personalities and whether that influences electoral success. Utilizing word use tools, online content was collected from individual electoral candidates, levels of certain brand personalities were identified per candidate, and then tested against electoral performance. Regression analysis showed significant relationships between number of votes, candidate sex, platform use, and word use of sincerity, sophistication, ruggedness brand personalities. As well, this study investigates the relationship between the media scheduling of social media posts and electoral success.

### **Thomson, Faith**

“From the Legalization of Birth Control to Sexual Assault Law Transformation in Canada”

The Honours thesis explores the influence of the legalization of the birth control pill in 1969 on the sexual assault reform in 1983. The aim of the thesis is to argue that the legalization of the birth control pill led to the sexual revolution. Birth control, along with the sexual revolution, targeted gender roles within the institution and social world of marriage. As a result of women gaining more proprietorship over their bodies, as well as the questioning of gender roles within a marriage, women demanded a reform for the sexual assault law. Finally, in 1983, there was sexual assault law reform. Notably, the new sexual assault law included spouses as possible victims of sexual assault. Up until 1983, in the eyes of the law, wives could not be victims of “rape” or “indecent assault” as she was required to be open to her husband’s advances at all times.

### **Turcotte, Kaylyn**

“Ultrasound Assessment of Median Nerve Deformation and Displacement in the Transverse Carpal Tunnel: Effects of Grip Force and Wrist”

In this project, we explored median nerve (MN) deformation and displacement during forceful gripping to better understand injury mechanisms underlying work-related carpal tunnel syndrome. 12 participants performed a chuck grip in 3 wrist positions (15° radial deviation, 0° neutral, 30° ulnar deviation) and 2 force levels (10%, 40% of maximal voluntary effort) while transverse images of the carpal tunnel were collected with ultrasound. MN circularity increased with greater finger force in 0° and 30° ulnar deviation, but not in 15° radial deviation. Anterior (palmar) displacement of the MN also increased in 30° ulnar deviation. Our results link changes in MN deformation and displacement with forceful gripping and non-neutral wrist positions, in support of an injury mechanism related to contact stress.

### **Turkiewicz, Hunter**

“Roundtable on Experiential Learning Going Zero Waste: Experiential Learning in a Religion and Environment Class”

In this roundtable students will discuss their experiences of undertaking a Green Week in the context of a Religion and the Environment course. Drawing on their daily journals and the thrills and spills (literally) of trying to live ethically, carry everything in jars and generally live with no carbon food print, the presenters will discuss their challenges and successes. They will also talk about whether or not including a experiential component in the course was successful in adding a important dimension to their learning experience. The roundtable will conclude with a discussion of the implications for pedagogy more generally.

**Vaillancourt, Isak**

“Representation of Muslim and Non-Muslim perpetrators in the context of Canadian print news”

My research focuses on the representation of Muslim and Non-Muslim perpetrators in the context of Canadian print news. The main goal for my research is to better understand the stereotypes, prejudices, and ideologies presented in the press. Through an interpretive qualitative frame analysis, I plan on analyzing news articles of two ideological violent events that occurred in the past five years. My analysis will focus on coverage from Canada’s two (and only) national newspapers: The Globe and Mail and National Post. My theoretical approach is situated in cultural studies as it recognizes that the news media works with other dominant media to represent a symbolic image of the nation. This will serve as a multi-perspectival approach to deconstruct news media texts that either produce attitudes of tolerance and harmony or fear and negativity. I intend on finding discrepancies in the language and imagery used.

**Watson, Rebecca**

“Marxist For Hire: A Neo-Marxist Analysis of Shepard Fairey’s Marketable Political Prints”

Street Art as an art movement is against conformity, oppression, and corruption of power: the act of taking to the streets as a mode of anonymously displaying art goes against the elitist institution that is the gallery space. What happens when street art enters the gallery or even gets sold? In short, it becomes a contributing party to the capitalistic culture that it intended to oppose. Utilizing Neo-Marxist theory, with a specific focus on the theory of the Culture Industry as proposed by Theodor Adorno as well as philosophical theory focusing on complacency, I will analyze work by Shepard Fairey and how it contributes to capitalistic culture and mass pacification.

**Webb, Tatianna**

“Women Under Siege: The Daily Lives of Professional Women during the London Blitz”

The paper examines in what ways the daily life of professional middle-class women changed during the London Blitz. The analysis will focus on diaries collected from professional middle-class women by the Mass-Observation project. The diaries will be used to gain insight into the effects of transportation, air raid sirens, and shelters had on the daily life of women. Significant delays and lack of sufficient public transportation are frequently cited as factors affecting the daily routines and attitudes of the public. Air raid sirens were met with ambiguity as it caused both anxiety and apathy. Shelter during air raids provides another factor in the daily lives of women. The anticipated conclusion is that the Blitz drastically affected the lives of professional middle-class women and made it significantly more strenuous, anxiety-ridden, and tedious.

**Whitehead, Allyn**

“Super Injustices & Princess Perpetuations: How Disney Films Perpetuate Social Injustices”

This paper outlines how Disney perpetuates racism, sexism, and ageism through their characters and movies. These films are viewed by people of all ages who are being taught these values. In turn, due to Disney’s influential power, they are becoming hegemonic ideologies. This paper aims to open the dialogue on how Disney may not be teaching the happiest values on Earth, how Disney is influencing their viewers, and how they view and interact within society. This is especially significant when looking at children and the lessons about race, age, and sex/gender, children are taking away from watching Disney movies, and how this will effect them as members of society, and thus society overall.

**Xie, Hanping**

“In the Narrative of the Media: The Historical Meanings of the 1945 Windsor Ford Strike”

The issues of the struggle of union security, the post-war atmosphere, and the concerns of communism feature the Ford Windsor Strike of 1945 uniquely in Canadian labour history. This study attempts to explore the social anxiety and the fear of uncertainty in the context of WWII that emerged during the strike. The workers and the UAW fought to secure unions and “workers’ rights.” Meanwhile, criticisms and controversies emerged to counter some UAW officials’ communist-alike leadership have shifted the scope of the strike from a local to a global perspective- that is, the Cold War. With the establishment of the Rand Formula in 1946, union struggle ended and it opened opportunities for expansion and bureaucratization for later unions. The achievements of Ford workers and the UAW deserve celebration, however, the historical past and legacies of the strike also worth us knowing to understand and reconsider the roles of labour unions today.

