



GRADUATE SYMPOSIUM

Tuesday, March 19 to Thursday, March 21
Cliff Fielding Research, Innovation and Engineering Building (CF-203)



SYMPOSIUM DES ÉTUDES SUPÉRIEURES

du mardi 19 mars au jeudi 21 mars
Édifice de recherche, d'innovation et de génie Cliff Fielding (CF-203)



Laurentian University
Université **Laurentienne**



Laurentian's Graduate Symposium is a celebration of some of the country's greatest minds and an opportunity to delve into the culmination of thousands of hours of research into unique projects and findings. To each and every graduate student, I raise my hat. Your research contributions, now and in the future, really do matter. May they continue to flourish and benefit others. Thank you for sharing them with us.

Sincere thanks also to all participants, collaborators, and guests. It is with your help and appreciation that we already anticipate next year's event.

Enjoy,



David Lesbarrères,
Dean, Faculty of Graduate Studies

Le Symposium des Études supérieures de l'Université Laurentienne célèbre les exploits d'un vaste éventail de chercheurs et nous présente les résultats de leurs projets, découlant de plusieurs milliers d'heures de recherche intensive. J'aimerais féliciter chacun des étudiants impliqués dans ces exposés. Vos contributions sont impératives à l'épanouissement des domaines de recherche dans lesquels vous oeuvrez. Que ces contributions prospèrent et qu'elles continuent à pousser les limites du savoir vers de prochaines découvertes. Merci chaleureusement de les partager avec nous.

J'aimerais aussi saisir cette occasion pour remercier tous nos participants, collaborateurs et invités. C'est grâce à votre appui que nous envisageons déjà le Symposium des études supérieures de 2020.

Bon symposium,



David Lesbarrères,
Doyen, Faculté des études supérieures

9:00 – 9:15 a.m.

Opening words: David Lesbarrères

9 h – 9 h 15

Mot d'ouverture: David Lesbarrères

Session 1 / Séance 1

9:15 – 10:15 a.m.

Session chair: David Lesbarrères

9 h 15 – 10 h 15

Président de séance: David Lesbarrères

JOSEPH BURKE (Indigenous Relations)

Including Indigenous Knowledges and Perspectives in Policy-Making Processes: Natural Resource Development in Northern Ontario

ANNETTE VERMETTE (Indigenous Relations)

What Is The Relationship Between Health and Land for Indigenous Women in a Colonial and Post-Colonial Canada?

ADAM BABIN (Indigenous Relations)

Tee pees, Sweat Lodges, and Wheelchairs: First Nations People with Disabilities and their Perceptions of Belonging

ECHO MCLEOD (Indigenous Relations)

How Women Contributed to the Development of First Nations Law

10:15 – 10:30 a.m.

Refreshment break

10 h 15 – 10 h 30

Pause santé

Session 2 / Séance 2

10:30 – 11:45 am

Session chair: Taima Moeke-Pickering

10 h 30 – 11 h 45

Présidente de séance: Taima Moeke-Pickering

MELISSA MARTIN- CHOUINARD (Indigenous Relations)

Traditional Indigenous Diet

MICHELLE KENNEDY (Indigenous Relations)

Empowering Indigenous Women and Girls Through Community Action Programs and Events

MARIA PAULA DUARTE (Indigenous Relations)

Brazil and Canada: A Comparative Study on the Mining Industry towards the Indigenous Peoples

ASHLEY NADJIWON (Indigenous Relations)

Grief, Trauma and Healing

THERESA ANDERSON-BUTCHER (Indigenous Relations)

Two-eyed seeing approach to learning: What value does it have in a corporate “classroom”?



12 – 1:00 p.m.

Lunch – 3MR Competition

12 h – 13 h

Repas – Compétition 3MR

Session 3 / Séance 3

1:00 – 2:15 p.m.

Session chair: Nancy Lightfoot

13 h 00 – 14 h 15

Présidente de séance: Nancy Lightfoot

ZOE HIGGINS (Rural and Northern Health)

Développement d'une démarche d'évaluation orthophonique sur mesure pour les enfants des Premières Nations d'âge préscolaire

NABINA SHARMA (Rural and Northern Health)

Validation of Kimberly Indigenous Cognitive Assessment (KICA) tool for the Population of Nepal

ALICIA GROOM (Rural and Northern Health)

The Impact of Medical Instructors' Attitudes Towards Patients with Developmental Disabilities on Medical Students

CELISSE BIBR (Rural and Northern Health)

Supporting Healthy Pregnancies: Using Media Images to Inform An Effective FASD Prevention Campaign in Northern Ontario

SOPHIE LEFRANCOIS (Rural and Northern Health)

To Report or Not to Report - Factors That Influence Physician Error Reporting

2:15 – 2:30 p.m.

Refreshment Break

14 h 15 – 14 h 30

Pause santé

Session 4 / Séance 4

2:30 – 3:15 p.m.

Session Chair: Nicole Yantzi

14 h 30 – 15 h 15

Présidente de séance: Nicole Yantzi

JENNA SIMPSON (Interdisciplinary Health)

"What Matters is What You Look Like on the Inside": What Adolescents with Neurobiological Disorders Have Learned at Summer Camp

AMANDA HARDY (Interdisciplinary Health)

The Benefits for Educators of Participating in an Arts-Based Mindfulness Group Program

SHERRY MONGEAU (Interdisciplinary Health)

Mining, Injuries and the Compensation Process: An Injured Worker's Perspective

Session 5 / Séance 5

9:00 – 10:15 a.m. Session chair: Tammy Eger
9 h – 10 h 15 Présidente de séance: Tammy Eger

ANNIK DENNIE (Human Kinetics)

Homophobia in High School Physical Education Classes, School Sports and Community Sports

CHELSEA SHERRINGTON (Human Kinetics)

Slips, Trips and Falls in Northern Ontario Underground Mines

KIMBERLY FRIESEN (Human Kinetics)

The Relationship Between Trail Use and the Health of Students at a Post-Secondary Institution

MARGARET KANYA - FORSTNER (Human Kinetics)

Assessing Whole-Body Vibration Transmissibility in Children's Bicycle Trailers

CHARLES SÉGUIN (Orthophonie)

Ajout d'une application informatique à l'enseignement explicite de la conscience phonologique chez les élèves fréquentant une école de langue française au cycle préparatoire

10:15 – 10:30 a.m. Refreshment break
10 h 15 – 10 h 30 Pause santé

Session 6 / Séance 6

10:30 – 11:30 a.m. Session chair: Krishna Challagulla
10 h 30 – 11 h 30 Président de séance : Krishna Challagulla

MEGHAN FORESTELL (Interdisciplinary Health)

Topic: Risk Factors of Physician Burnouts

BRIGHT OPPONG AFUM (Natural Resources Engineering, PhD)

A Mixed Integer Linear Programming (MILP) framework for mineral resource evaluation and planning

WILLIAM JUNKIN (Natural Resources Engineering, M.A.Sc.)

Using Discrete Fracture Networks to update Rock Engineering Systems Fragmentation Models

KRYSTEL CLARK (Architecture)

Tipi Tectonics: Building as a Medicine



11:30 – 1:00 p.m. Lunch / 3MT competition
11 h 00 – 13 h 00 Repas / Thèse en 3mn

Session 7 / Séance 7

1:00 – 2:15 p.m. Session chair: Peter Ryser
13 h 00 – 14 h 15 Président de séance: Peter Ryser

SASKIA HART (Biology)

Fungal Biodiversity Within Coarse Woody Debris in Northern Ontario Boreal Forests

ANIA MEZOUARI (Biology)

Enquête sur les causes d'une sécrétion affaiblie d'incrétine durant l'obésité

ADAM KIRKWOOD (Biology)

Microbial Methane and Carbon Dioxide Production in Permafrost Peatlands of Hudson Bay Lowlands, Canada

CHRISTINA MOZZON (Biology)

*The physiological Consequences of Anthropogenic Food Waste on Urban Raccoons (*Procyon lotor*)*

JASMINE VEITCH (Biology)

Lord of the Fleas: Shedding Light on Nocturnal Hosts and Stress Hormones

2:15 – 2:30 p.m. Refreshment break
14 h 15 – 14 h 30 Pause santé

Session 8 / Séance 8

2:30 – 3:15 p.m. Session chair: Joy Gray-Munro
14 h 30 – 15 h 15 Présidente de séance : Joy Gray-Munro

MIKHAIL ZUYKOV (Materials Science)

"Green" is the Colour of New Ecological Problem? New Pathogen in Wild Blue Mussels from the Estuary and Gulf of St. Lawrence, Canada

AMR ALI (Chemical Sciences)

H₂S Regulation of Hepatic Lipid Metabolism

FELIX LEGENDRE (Biomolecular Sciences)

Can Life Exist Without Sulfur? – A Metabolic Perspective

Session 9 / Séance 9

9:30 – 10:45 a.m. Session chair: Ernst Gerhardt
9 h 30 – 10 h 45 Président de séance: Ernst Gerhardt

JENNA SIDUN (Humanities)

Mary Wollstonecraft: A Voice of Radical Education and Rational Fiction

JENNIFER HARVEY (Humanities)

Landscapes of Conversion: The Evolution of the Residential School Sites at Wiikwemkoong and Spanish, Ontario

JOE PITZEL (Human Studies)

Revisiting Sales as a Human Connection and a Business Transaction

INES BOUGUERRA (Sciences Humaines)

Contribution de la théorie relationnelle dans la compréhension de la conversion religieuse

RYAN WILDGOOSE (Human Studies)

Going Beyond Disciplinary Boundaries: An Historical-Interdisciplinary Approach for Sexuality Research

10:45 – 11 a.m. Refreshment break
10 h 45 – 11 h Pause santé

Session 10 / Séance 10

11:00 – 12:00 p.m. Session chair: Rana Haq
11 h – 12 h Présidente de séance: Rana Haq

MOSTAFA TORABI (MBA)

Influence of Online Reviews on Purchasing Decisions

KATYA GESSIE (Psychology)

The Socio-Sexual Knowledge and Attitudes Assessment Tool - Revised: The Need For Updates In Assessment For Individuals with Intellectual Disabilities

ERIC HARDING (History)

The Embittered and the Embattled: The Senior Officers of the Royal Irish Constabulary in the Irish War of Independence, 1920-1921

ALLAN MONTGOMERY (Sociology)

Human Health and Environmental Risk Assessments: Politics or Science?



12 – 1 p.m.
12 h – 13 h

Lunch
Repas

Session 11 / Séance 11 BIO SciComm “TED Talks”

1:00 – 2:45 p.m. **Session chair: John Gunn**
13 h – 14 h 45 **Président de séance: John Gunn**

AMAL ALSHEHRI (Biology) & SARAH VOKEY (Science Communication)
The Role of L18 Muramyl dipeptide in Glucagon-like peptide-1 Regulation

CHIAMAKA ANOSIKE (Biology) & ITUNU OSIFESO (Science Communication)
*Isolation and Characterization of Clinical Collection of *Gardnerella Vaginalis* Isolates and Determining Their Susceptibilities to Natural Antimicrobials*

DANIKA BONGFELDT (Biology) & KYELLE BYNE (Science Communication)
Retinoic Acid Signalling During Heart Development

MEAGAN BOYD (Biology) & JAGPREET MAKER (Science Communication)
The Effect of Nickel on Gene Expression in Spruce Trees

DAVID RYAN COADY (Biology) & TOBI MANKIS (Science Communication)
Amphibians Declining Globally But Adapting Locally

MCKENNA ELSASSER (Biology) & IAN BLACK (Science Communication)
Weaving Indigenous Knowledge (IK) and Western Science Methods to Investigate Moose Decline

ERICA FELLIN (Biology) & RENATA BRANDT (Science Communication)
Blood Feeders Suck: How Black-Legged Ticks Affect Deer Mice

ALEXANDRIA GALLON (Biology) & KI-YOUN KIM (Science Communication)
Let's Play Snakes and Ladders: Determining How Eastern Hog-Nosed Snakes Navigate Human-Modified Areas of Southwestern Ontario

NATHANIAL GRYSKA (Biology) & KATIE ELLSWORTH (Science Communication)
Keep Your Eye In The Sky: Using Remote Sensing to Differentiate Green From Blue-Green Algae

ISABELLE-GABRIELE HENDEL (Biology) & TORI BAILEY (Science Communication)
Getting Hot Hot Hot: Novel Forest Fire Detection

JOHN KETCHEN (Biology) & CHELSEA PIKE (Science Communication)
The Big Bad Wolf and His Dietary Predilections: Prey Selection and Skull Size

ADAM KIRKWOOD (Biology) & ALAN COLLIER (Science Communication)
Microbes and Methane: The Untold Story of the Hudson Bay Lowlands

JONATHAN LAVIGNE (Biology) & SABINE BOUCHARD (Science Communication)
Upgrading our Backyard: The Future of Sudbury Regreening

SARA LEHMAN (Biology) & SARAH VOKEY (Science Communication)
Ontario's Most Popular Fish and Its Future

SHANNON LITTLE (Biology) & KYELLE BYNE (Science Communication)
Detection and Toxicity of Winter Algae in Northern Ontario

2:45 – 3:00 p.m. Refreshment break
14 h 45 – 15 h 00 Pause santé

Session 12 / Séance 12 BIO SciComm "TED Talks"

3:00 – 4:45 p.m. Session chair: Jeffrey Gagnon
15 h – 16 h 45 Président de séance: Jeffrey Gagnon

MARANGABY MAHAMAT (Biology) & JAGPREET MAKER (Science Communication)
*The Sound of Attraction: How Predation Shapes Brain Size and Electric Signalling in *B. Occidentalis**

CHRISTINA MOZZON (Biology) & TORI BAILEY (Science Communication)
Are We Driving Evolution in Urban Animals?

APARNA MUKERJI (Biology) & IAN BLACK (Science Communication)
Testing the Effectiveness of Cellulose Strips to Assess Environmental Drivers of Organic Matter Decomposition

RAVEN OUELLETTE (Biology) & RENATA BRANDT (Science Communication)
Calm Your Mammaries: How City Life Influences Stress and Milk Composition of Female Eastern Chipmunks

CARTER ROULEAU (Biology) & KI-YOUN KIM (Science Communication)
Bumps on a Log: Social Behavior of the Midland Painted Turtle



HEATHER VAN DEN DIEPSTRATEN (Biology) & KATIE ELLSWORTH (Science Communication)

Go With the Flow: How Water Level Dynamics Affect an Endangered Turtle Species

EDUARDO SOTO ESPINOSA (Biology) & DIANE FISHER (Science Communication)

The Race Against Time: A Possible Treatment to Delay Progression of Multiple Sclerosis

NATHALIE TREMBLAY (Biology) & CHELSEA PIKE (Science Communication)

Biomining: The Next Chapter in the Sudbury Story

CORY TROWBRIDGE (Biology) & ALAN COLLIER (Science Communication)

Herps in the Wind: The Ecology of Reptiles and Amphibians in Wind Farms

JESSIE WALTON (Biology) & SABINE BOUCHARD (Science Communication)

Sharks Are in Hot Water

MALLORY WHITE (Biology) & SABINE BOUCHARD, RENATA BRANDT, DIANE FISHER,

TOBIAS MANKIS (Science Communication)

Improving Vaccines Via Trained Innate Immunity

THARUSHA WIJewardena (Biology) & JAGPREET MAKER, CHELSEA PIKE,

SARAH VOKEY (Science Communication)

Blanding's Turtle Head-Start Project: Can We Save an Endangered Turtle?

LAURA WILLIAMS (Biology) & IAN BLACK, KYELLE BYNE, KI-YOUNG KIM,

ITUNU OSIFESO (Science Communication)

A Gutsy Treatment: Using a Bacterial Metabolite to Treat Type 2 Diabetes

ISABELLE ZIMMERMANN (Biology) & KATIE ELLSWORTH, ALAN COLLIER,

TORI BAILEY (Science Communication)

The Early Bird Impales the Worm: Parasites in the Eastern Logger Head Shrike Captive Breeding Program

ANIA MEZOUARI (Biology) & TOBI MANKIS (Science Communication)

The Good Gut: How an Intestinal Microbial Gas Can Affect Your Appetite

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