



ST. FRANCIS
XAVIER
UNIVERSITY

STUDENT RESEARCH DAY

Wednesday, March 20, 2024
6:00pm - 8:30pm

SCHEDULE OF EVENTS:

**RESEARCH POSTERS WILL BE DISPLAYED IN THE
MULRONEY HALL ATRIUM THROUGHOUT THE
EVENING**

6:00pm- A message from Dr. Richard
Isnor

6:15pm- Oral Presentations begin in
MULH 2030 and the Art Gallery

8:20pm - Closing Remarks by Dr.
Amanda Cockshutt and Draw Prizes





SCHEDULE OF ORAL PRESENTATIONS IN MULH 2030:

6:15pm - Using Geochemical Analysis to Characterize and Partition Major Methane Sources in Bonnyville, Alberta / Mackenzie LeVernois

6:30pm - Investigating difficulties in the long term operation of Bi-NP GDE electrodes for CO₂ reduction / William Murphy

6:45pm - Regional Climate Projection for Atlantic Canada under SSP245 and SSP585 / Freddy Pinochet Erazo

7:00pm - Plasmonic Photocatalysis for Sustainable Phenol Production / Jillian Fougere

7:15pm -Accounting for the Asymmetry: Boost Vector Measurement in Experiment 26 Data Sets by Belle II Detector/ Evan Hunt

7:30pm - Frozen-shut: Cold and hypoxia stress tolerance in winter-active pond insects/ Luke Burton

7:45pm -Spatial Analysis of the Risk Factors for Covid-19/ Simon Douglas Maltby

SCHEDULE OF ORAL PRESENTATIONS IN THE ART GALLERY:

6:15pm - Baba Yaga's Many Faces: Witches, Ambiguity, and the Female Experience / Sara Waldron

6:30pm - THUG LIFE: Silencing Powerful Voices in The Hate U Give Through Book Banning / Abby Ives

6:45pm -Knowledge Transfer of Concussions to Student-Athletes/ Jack Wierzbicki

7:00pm -Exploring psychological impacts of Hand-Arm Vibration Syndrome (HAVS) among manual labour workers / Sophie Bezanson

7:15pm -In the Court of Public Opinion: the case of Boulton and Park in the Nineteen-Century Periodical Press / Emily Hubbard

LIST OF POSTER PRESENTATIONS

"You Hurt My Feelings!" Investigating the Relationship Between Teasing and Self-Esteem in Romantic Relationships / Abby Perry

Measuring Variations in the Stress Response: Implications for Polygraph Testing / Abbygail Rafuse

Indicators of Domestic Violence in RCMP Data Prior to and During COVID-19 / Alannah Ingles

On Your Mark, Get Set, Bump: Case Study Analysis on Alysia Montano and Alyson Felix / Allie Sandluck

Effects of an Exergaming Intervention on Movement Behaviours / Arielle Aucoin

A Canadian marine pollutant review: The tracking methods and data analysis of reported lost, abandoned, and discarded fishing gear / Ashley Lansley

Supervillin: The Hidden Force to Survive Freezing? / Brooklyn Vestby

Investigating the Long Term Physical Health Impacts of Adolescent Grief / Brynn Webber

Application and Evaluation of a Knowledge Mobilization Activity on Sports-related Concussions and Dementia for Athletes / Chloe Oleksiuk

David and Goliath: Entrepreneurial Orientation, Innovation and Uncertainty in a Nascent Entrepreneur a Longitudinal Case Study / Chris Jenkins

Not Letting It Go: The Enforcement of Gender Roles/Stereotypes in Disney's Cinderella and Frozen / Ciara Wainwright

Interactions between Dominant Functional Groups on Nova Scotian Rocky Shores / Emilie Perreault

The Cost of a Nutrient-Dense Menu in Long-Term Care Facilities in Nova Scotia / Emily Steeves

The Effects of Music Therapy on Symptoms of Anxiety, Depression, and Pain for people living in Palliative Care / Emma Broughton

The Role of Gender in Admissions to the Nova Scotia Hospital Between 1860-1867 / Emma MacDougall

Developing Cryoprotectants for Organ Preservation / Emma Nolan

Exploring Trends in Body Composition in Varsity Sport / Emma Scott

Methane emission sources from Canadian landfills / Farnaz Farjamineiri

Exploring prevalence and patterns of underreporting of depression and anxiety symptoms in student-athletes / Fiona Nicholson

A Baseline Behavioural Survey of Juvenile Lobsters *Homarus americanus* / Gavin Hiltz

Conserving Marine Biodiversity Through Climate Change: Challenges and Prospects of Adaptive Management / Grace Elliott

"A Villain Worth Showing Compassion For: Nicole Galland's Portrayal of Iago" / Grace Still

Investigating the Role of Substance Use in Coping with Genito-Pelvic Pain/Penetration Disorder / Hannah Dykeman

Interspecific Abundance of Mussels and Barnacles along the Nova Scotia Coast / Hannah MacDonald

How Does Bodily Emotion Modulate Our Decision to Engage in Joint Action? / Hope Chambers

The Impact of Cannabis on the Networks of Attention: Insights From the Attention Network Test / Jack Gregory Lukeman

Qualitative Exploration of Female Consumers' Perceptions and Acceptability of Alcohol Warning Labels / Jessica Alsop

Stigma Reduction of Minor Attracted Persons Through Narrative Humanization: An Analysis of Secondary Data / Jessica Gaudette

Direct Measurement of Landfill Methane Emissions Across Canada / Jordan Stuart

A systematic review on irritable bowel syndrome and the benefits of exercise to symptom management and relief / Karly Sinnott

Stuck In a Ruck: An Analysis of the 2020 World Rugby Transgender Guidelines / Katarina Peric

The Impact of the Covid-19 Pandemic on the Experiences of Nova Scotian Dentists / Katherine Culligan

Primary Care Providers' Perceptions on Social Prescribing in Rural and Urban Nova Scotia / Kathleen Dolan

Disability Identity: Impacts on Help-Seeking Among Students with a Mental Illness / Keira Ross

Examining Epistatic Interactions Among Genomic Stability Genes in Colorectal Cancer / Kylie Curnew

Does Training to Work with Community-Based Clients of CSC Enhance Students Empathy, Critical Thinking and Moral Reasoning? / Lily Turnbull

The Effect of Race on the Coach-Athlete Relationship / Madeline Kwan

Evaluating a Digital Health Application to Process Information from Fitbits for Clinical Use / Margaret Catherine Doiron

EA Pilot Investigation of Representation and Disability at One Post-secondary Institution / May Lawless

Cracking the wall: immunolabelling of cell wall components in *Ascophyllum nodosum* / Maya Wile

Exploring the Potential to Non-Invasively Assess Lactate Threshold Using Near-Infrared Spectroscopy / Melina M. Collins

Temporal Changes in Immersion, Groupness, Satisfaction, and Intention-to-Return among Novice Mixed-Reality Group Cycling Participants / Mitchell Bailey

Exploring the Underrepresentation of Female Head Coaches in Atlantic University Sport (AUS) / Mya Slawter

Deconstructing Colonial Land Relationships through Development and Grassroots Mobilization / Nathalie Gatti

Investigation of NixFe_{100-x} as Catalysts for Urea Oxidation and the Oxygen Evolution Reaction / Noah Ruscica

Influence of Putter Center of Mass on Stroke Consistency / Oliver Vossen

Emoji Mimicry: Exploring the Applicability of the Chameleon Effect to Computer-Mediated Conversation / Olivia Rehill

Potential flood mitigation strategies, best practices and recommendations for Ottawa Ontario / Owen Brennan

Neurodivergences: A knowledge creation and mobilization project / Q Quirk

"I'm Not Your Mom": The Gendered Distribution of Emotional Labour In the Community Advisor Role / Railyn Cann

Optimization and Validation of ECCC Landfill Gas Estimation Model / Rebecca Martino

Sexual Violence in Canadian Literature / Renee Papp

The Impact of Consumer Expectations on the Canadian Housing Market / Robert Amos

"Somehow it's Been Overlooked": Female Characters as Unlikely Heroes in The Handmaid's Tale and Fifth Business / Sadie MacDonald

Lessons from the North Preston Surf Program- An exploratory analysis of the film "Freedom Swell" / Shannon Oulette

From Waste to Wonder: The Effects of Insect Frass on Plant Growth and Bacterial Symbioses / Shannon Wallace

The production of a fortified apple sauce for older adults and individuals experiencing oral dysphagia / Sonia Rondon

Effect of environmental estrogen EE2 on spermatogenesis of marine medaka *Oryzias melastigma* / Subash raj Chettiar

Exploring Food Waste Reduction Efforts in Canada / Susan Romanuck

The Relationship Between Perfectionism and Well-being within Varsity Athletes / Taylor Rasmussen

Movement Behaviours of University Student-Athletes and Non-Athletes / Thomas Romary

The Social Effects of Inter-Group Collaboration / Torri MacIntosh

Neural Specific Gene Expression in the Great Pond Snail, *Lymnaea stagnalis* / Victoria Tweedie-Pitre

Investigating the Relationship between Depressive Symptoms and Academic Performance in Male Undergraduate Students / William Langille

Can Increasing Knowledge of Ways to Connect Improve Student Well-being? / Yasmin Abdallah Marques Batista

Thank You for Participating in Student Research Day 2024