

ST. FRANCIS XAVIER UNIVERSITY

STUDENT RESEARCH DAY

March 23, 2023

6:00pm - 7:30pm

Schedule of Events:

**Research Posters will be displayed in MULH Scholars Walk
and presented throughout the evening**

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

**6:10pm - Oral Presentations begin in MULH 2030, 3024 and the Art
Gallery**

7:20pm - Closing Remarks and Draw prizes

Schedule of Oral Presentations In MULH 2030 - HEALTH:

6:10 pm -Functional connectivity of white matter in individuals with schizophrenia: A replication / Ethan Draper

6:20 pm -A cross-seasonal study of climate change anxiety in North America / Preet Banga

6:30 pm -More than a Seat at the Table: Student Advocates Pull the Rug on University Student Mental Health / Mia Landi

6:40 pm -'From Harm to Care': How Disciplinary Power Operates in Workplace Mental Health / Emily MacEachern

6:50 pm -Wellness as an Act of Teacher Resistance / Erika Kirk

7:00 pm -Procedural pain assessments for neonates at risk of neonatal opioid withdrawal syndrome: A scoping review / Julianna Lavergne

Schedule of Oral Presentations in Art Gallery - POLICY & HUMANITIES:

6:10 pm -A Profile of Patients Admitted to the Nova Scotia Hospital, 1860-1865 / Laura E. Cormier

6:20 pm - Impact of Nova Scotia's Transition from a Private to Public Childcare Model on Childcare Owners and Providers / Kayland Smith

6:30 pm -Bauer Theatre Archive / Emily Hubbard

6:40 pm -Examining the Conceptions of Fertility and Infertility During the High Middle Ages: A Critical Textual Analysis / Hannah James

6:50 pm -Idiosyncrasy: Implications of Materiality in Early Modern English Dramatic Manuscripts / Alexander Lambourne

7:00 pm -Women's Economic Empowerment Through a Financial Literacy Curriculum: A Pilot Study / Allison Hancock

Schedule of Oral Presentations in MULH 3024 - Science:

6:10 pm -Electrooxidation of Wastewater Pollutants using Nanoparticles / Aaron Mason

6:20 pm -Cosmic Muons and the Theory of Special Relativity / Matthew Penner

6:30 pm -The Role of Cytoskeletal Structure in Freeze-Tolerant Crickets / Maranda van Oirschot

6:40 pm -HSP70 and HSP90 mRNA expression in the zebrafish brain following exposure to ammonia and hypoxia / Bridget Ward

6:50 pm -Using RNA interference to determine the role of catalase in the freeze tolerant spring field cricket *Gryllus veletis* / Sarah Rokosh

7:00 pm -Fill-in-the-blank stance detection with language models / Patrick Bowen

List of Poster Presentations

Accessing Equity in Continuing Care: The Eligibility Dilemma in Nova Scotia / Allison Hancock

Activity Monitors in Healthcare: Perceived Barriers and Facilitators of Registered Nurses' and Nurse Practitioners / Chloe Vukosa

Alan Syliboy- painting is my life / Amelia Guitard, Zechariah Willems, Ben James, Chris McMinn

An Analysis of Feminist Discourse Surrounding Atwood's The Handmaid's Tale / Taylor DeCoste and Julie Webb

Assessing the Current State of the Decolonizing and Indigenizing Process at StFX / Mila Walst

Body and Tentacle Movement Patterns of *Lymnaea stagnalis* in Turbulent and Laminar Flow Conditions With and Without Odour / Makayla Butorac

Brain Connectivity in SuperAgers / Haley Keenan

Characteristics of Successful Collective Self-Representation of University Students with Disabilities: A Participatory Knowledge Synthesis / Tatianna Beresford

Can a Mismatch Between Course Gradient and Resistance Affect Performance When Using ERG Mode in a Zwift Workout? / Cameron Cromwell

Client Experiences with VON Home Nursing Care in Antigonish, Nova Scotia / Kealeigh Halliday

Community-Based Approach to Alternative Education / Chris Palmer

Comparing Factors that Influence Mental Health and Help-Seeking Amongst University Students in Canada and Ghana / Akua Amankwah-Poku

Creating a Database about Motherhood in Canadian Literature / Renee Papp, Ciara Wainwright, RJ Farrell

Demonstrating Institutional Trustworthiness: An Exploration of the Relationship between Transparency, Awareness and Trust / Sammy Johnson

Does Lactate Oxidation Consume Heat in Mammals? / Erin Noftall

Evaluating Visual Function and Performance on the Symbol Digit Modalities Test in People with Multiple Sclerosis (MS) / Emma MacKechnie

Female athletes are under-represented in sport science research on exercise-associated gastrointestinal symptoms / Samantha Fisher

Freeze tolerant crickets increase supervillin abundance, a cytoskeleton regulator / Annika Nobbe

Gold Nanoparticle-Functionalized TiO₂@UiO-66-NH₂ Nanocomposite with Outstanding Photocatalytic Activity for Ullmann Homocoupling of Aryl Halides / Yashodha Panagodage

#HOCO is not just for the Football Bros: An Analysis of Gender Construction and Sport and Homecoming/ Madison Ross

Impact of Ocean Temperature on Snow Crab Catch Along the Scotian Shelf /Nicholas Levangie

Inadequacies in Nova Scotia's Aquaculture Regulatory Framework /Owen Reay

Investigating the Communication of Birth Control on TikTok Platforms / Kyara Somers

Investigating the Relationship Between Body-Image and Risky Sexual Behaviour in Adolescence / Grace Durling

Is HSP70 Upregulated in Freeze-tolerant Crickets? / Victoria Adams

Legislating the Coast: Comparing the Maritime Provinces of Canada / Genevieve Beaulac

Losing Yourself: How the Internet Corrupts Free Will / Olivia Leroux

Making a Good Me: Capitalism and the Making of a Moral Self Within Adult ADHD Discourse / Bailey MacMullin

Movement Behaviours in University Students vs Student-athletes / Benjamin Thorne

Nature-based Solutions: Creating Resiliency within the Global South / Sydney Bateman

Physical Literacy in Children Who Participate in Elite Sport or Fit 4 Life / Roddie Sandilands

Putting Dementia on the Map: A Nova Scotia Dementia Atlas / Sophie MacDonald

Putting on a Show: An Analysis of Gender Performance and Canadian Fitness Culture / Jessica Hils

Regional Marine Trends Following Cessation of CO2 Emissions: What Will Be the Future of Coral Reefs? / Josie Mallett

The Acquisition of Symbiotic Green Algae in the Egg Masses of the Spotted Salamander / Max Spiess

The Impacts of the COVID-19 Pandemic on Tax Evasion Done Through Foreign Portfolio Investment / Kyle Barnes

The Influence of Golf Shoe Heel Drop on Driving Performance / Ewan Galloway

The paradox of Black Ash: environmentally variable yet rare / Peter MacGregor

The relationship between groupness, satisfaction, and intention to return in mixed-reality cyclists / Tadeu Novaes Jorge de Freitas

The relationship of human fishing effort and walleye movement in Lake Erie / Sage Nicholl

The Rural Versus The City: Affective Landscape and Sociopolitical Conflict in 21st Century Bolivian Cinema / Isabelle Vautour

Visible Light Mediated Refinery Waste Degradation Using Noble Metal Nanoparticle Composites / Megan Ethier

Why North Atlantic Right Whales are more Susceptible to Extinction Compared to Southern Right Whales / Annie McMullon

Thank you for Participating in Student Research Day 2023