

**St. Francis  
Xavier  
University's  
Student  
Research  
Day 2025**

**PROGRAM**

**Wednesday, March 26,  
2025**

**6:00-8:00pm**

**SCHEDULE OF EVENTS:**

**Research Posters will be  
Presented by Students  
throughout the Mulroney Hall  
Atrium from 6:00pm -8:00pm**

**6:00pm - A message from  
Dr. Amanda Cockshutt**

**7:45pm - Closing Remarks  
by Dr. Andy Hakin**

**Door Prizes will be  
given out at the  
end of the event!**

# **List of Poster Presentations:**

**Examining Racial and Ethnic Disparities in Colorectal Cancer Screening Outcomes Within Nova Scotia / Maria Albaba**

**Testing capabilities of drone-based TDLAS column-sensors / Meaghan Amaral**

**Social Murder: Understanding the Cases of Brain Sinclair and Joyce Echaquan / Julia Baniak**

**Exploring Psychological Skills in Interventional Cardiology / Kylie Barton**

**How differences in cannabis use influence panic attack risk: Examining the role of cannabis frequency, mode, potency, and quantity / Kaden Louis Barrett**

**Energy Sources, Sentiment & Spending / Cole Beasant**

**Survey of Radiation Therapists' Current Practices and Perceptions of Psychosocial and Supportive Care in Canada and Norway / Sophie Bezanson**

**Large Language Model Geographical Debiasing / Patrick Bowen**

**Casual Sex and the Complex Self: Exploring Undergraduate Self-Concept Development in Hookup Culture at StFX / Rachel Brooke Baker**

**Investigating the Impact the Noticing Nature Intervention on Undergraduate Student Well-being, Stress levels and Smartphone Use in a Rural Setting / Grace Boltz**

**Setting the beat for community belonging: A case study of learning from the square dancing tradition on Cape Breton Island / Janelle Boudreau**

**Showcasing Potential: Bridging the Gaps in Youth Para Hockey Development / Alexa Burry, Regan LeBlanc, Caspian Tohidian**

**Standing Up in the Virtual World: Observing Social-Cognitive Factors Influencing Peer Defending Behaviours Using Virtual Reality / Julia Byron**

**Exploring Collaborative Care Centres as an Opportunity for Social Prescribing  
/Ellen Carroll-MacDonald**

**Examining How Chronic Inflammation Impacts Colorectal Cancer  
Incidence in Atlantic Canada / Avery Cook**

**Bullying and Peer Defending Amongst 2SLGBTQIA+ Youth / Madison Conrad**

**Effect of Light Attenuation and Nutrients on Sexual reproduction of *Oophila  
amblystomatis* /Kyle Coughlin**

**Skating, Mating, and Cross-Generating / Spencer Crawford**

**Understanding the impact of AI in financial services / Macy Cudmore**

**Investigations of Life Expectancy in Atlantic Canada /Adrianna D'Amico**

**"Assessment and validation of a PCR-clean decontamination procedure for  
plastic laboratory consumables" / Jillian Davies**

**More Than Perfect: The Struggles Behind the Ideal Mom /Maria Pia Delgado  
Anton**

**Does in-stream habitat restoration help maintain fish populations and what  
effects might this have on public/angler perceptions?/ Dominic Delorey**

**Evaluating the Psychometric Reliability and Validity of Child-Friendly Scales  
for Right-Wing Authoritarianism and Social Dominance Orientation in a  
Canadian Sample / Logan Joseph Durant**

**Performing Women: Exploring Gender and Systemic Injustice In Canadian Theatre  
/Payton Erwin**

**Exploring Anxiety and Depression as Predictors for Cannabis Compensatory  
Behaviours Among University Students / Bryn Florence**

**Covariation of sexually antagonistic traits in different species of water striders in  
the Maritimes / Charlotte Freydier**

**The Cost of New Life: Bangladeshi Migrants in Rome /Hannah Fraser**

**Reliability of NIRS-Based Determination of Lactate Thresholds in Runners / Sabrina  
Gigante**

**How do winter heat waves affect insect survival and reproduction? / Yaseen Ginnab**

**Little Movers: A Case Study on the Physical Activity Opportunities for Toddlers in Antigonish / Kirsten Hardiman**

**Investigating Rural Attitudes Towards a Web-Based App Incorporating Personalized-Normative Feedback and Canada's Guidance on Alcohol and Health / Allyson Hayward**

**Whose Land Whose voice: Indigenous rights and the corporate pursuit of a social license in the Ring of fire / Emily Head**

**Caffeine and Attention / Sarah Henhoeffter and Julia Byron**

**Evaluating the Validity of an Inertial Measurement Unit in Measuring Bat Swing Speed and Time with Overload and Overspeed Training / Camryn Heideman**

**The Use of Social Media for Promotion of Cervical Cancer Screening in Young Female Adults and/or Individuals with a Cervix Attending University / Kate Hickey**

**"Succeeding in school is my responsibility": Refugee youth navigating high school after resettlement / Abby Hopkins**

**From courtship to combat: How sexual armaments may shape vibrational sensitivity in water strider species / Isabelle Hoversten**

**Community Wellbeing and Public Health: Themes from community engagements across Canada / Elisabeth (Ella) Hunter**

**Understanding Daily Life in the 19th Century through Personal Letters / Abby Ives**

**Skating on the Edge: Kamila Valieva and the Systemic Exploitation of Elite Athletes / Brynn Jurus**

**Assessing Societal and Individual Factors Behind Declining Mental Health in Older Immigrants / Najibah Chowdhury Kazi**

**The Role of Mentalization in Perceptions of Creepiness / Yanna Kachafanas**

**Illegal Fishing and Security in the Canadian Arctic / Zachary Kelly**

**Health Equity-Oriented Opioid Prescription Approaches to Post-Cesarean Pain Management in Canada: A Scoping Review / Janet Kennedy**

**Clinicians' Perspective on the Implementation of Wearable Movement Sensors into Primary Care / Claire Keyes**

**Marine biofilms do not vary in their susceptibility to ultra-violet light / Tia Louise Landry**

**Improving the Degradation of Poly- and Per-fluorinated Alkyl Substances (PFAs): A Light-Activated Approach/ Brooke Lawrie**

**Primary care provider interventions for addressing breast cancer screening participation with marginalized patients / Nick LeBlanc**

**The Role of Acquisition Motives in Cross-Border Mergers and Acquisitions: Analyzing the Impact on Deal Success and Integration in North America / Sarah Leslie**

**Cool Companions: Physiological relationship between brown seaweed (*Fucus vesiculosus*) and the ribbed mussel (*Geukensia demissa*) / Tegan Llewellyn**

**Cleantech Ventures: Entrepreneurial Success and Valuation Premiums/ Davin Locke**

**Open Minds and Open Resources: The use of OER-Enabled Pedagogy in Upper-Level Postsecondary Education/ Cole Joseph MacDougall**

**Victimization and Defending: Exploring how Anxiety Shapes Bystander Intervention Using Virtual Reality / Anna MacGillivray**

**Does Mindfulness Meditation Impact the Networks of Attention? / Alexander MacDonald and Anna MacGillivray**

**Examining Gold-Nanocluster-Allergen Bioconjugates for Immunotherapy Treatment / Victor Martinez Macias**

**Uncovering the truth: Utilizing criteria-based content analysis and linguistic inquiry word count in missing person cases /Laurel Grace MacIntosh**

**How Lipids & Enzymes Contribute to the Flavour of Seafood Alternatives / Alinta MacLeod**

**The Relationship between Positional Competition and Social Identity in Canadian Student Athletes / Chaslynn Macleod**

**Individual-Level Predictors of No- and Low-Alcohol Beverage Products / Kaylee MacLeay**

**Detection of Cosmic Ray Muons with Teachspin and Cosmic Watch Muon Detectors /Maxwell James MacNeil**

**The Human Rights and Labor Conditions of Migrant Sex Workers in Canada: A Policy Analysis of Structural Inequalities / Salua Marun**

**The Impact of Solvent Selection on Photochemical Hydrogen Generation / Anna MacPhee**

**Establishing a Conservation Baseline: Effectiveness of the Western Emerald Bank Marine Refuge /Halle Martin**

**Connections between mangroves and the mitigation of coastal erosion in Central America using data from Tea Mangroves (*Pecelliciera rhizophorae*) and Red Mangroves (*Rhizophora mangle*) /Gabrielle McCullough**

**EDetermining Overload and Overspeed Stimulus for a Baseball Swing /Katelyn McDougall**

**Trace fossils and palaeoenvironmental analysis of the Goldenville-Halifax Group Transition, eastern Nova Scotia / Rachel McKeough**

**Job Characteristics of Mental Performance Consultants in Canada / Sarica Mohandas**

**Examining the Relationship Between Alcohol Metabolism and Gene Variation on Colorectal Cancer Risk /Andrea Morrish**

**Do Facial Expressions of Emotion Modulate One's Decision to Engage in an Object Handover Task?/ Sarah Mowat**

**Evaluating a Multimedia Campaign to Disseminate the New Guidance on Alcohol and Health to Postsecondary Students/ Nicole Nakad**

**Rural Nursing Student Challenges and Potential Solutions /Stella Nette**

**Knowledge Translation and Water Safety for Individuals with Autism: An Evidence-Based Approach / MaryKate O'Dea**

**Vestibular Oculomotor Screening (VOMS) & Concussion Outcomes /Emma Oczkowski**

**The Language of Survival: Sexual Violence in Canadian Literature /Renee Papp**

**Does Sex Matter? Exploring salary differences among faculty ranks within St. Francis Xavier University / Julia Penney**

**Choline Acetyltransferase Expression in the Central Nervous System of the Pond Snail *Lymnaea stagnalis* / Lauren Pictou**

**Lessons from the Netherlands: Enhancing Nova Scotia's Coastal Management / Aliqa Piers**

**The Impact of the COVID-19 Pandemic on Tax Evasion / Landyn Pitts**

**Depths of mystery; A stratigraphic and geochemical analysis of the Cambrian rocks on Liscomb Island / Justin Poirier**

**The Symbiotic Interaction between *Geukensia demissa* and *Fucus vesiculosus* : An Ecological Perspective /Allison Randall**

**"What is a 'moderate livelihood'": Comparing mainstream and Indigenous news publishers' responses to Mi'kmaw engagement in the 2020 Lobster Dispute /Naomi Robinson**

**A Map of the Past: An Analysis of Casebooks of the Mount Hope Asylum, 1860-1878 / Emma Robinson**

**Determining the Use and Non-Use Factors of Smartwatches / Gabriella Rocca**

**LCT pegmatites in southern Newfoundland / Deepyaman Saha**

**"Maintain your Brain": Multigenerational Dementia Knowledge Mobilization Game/ Lydia Shaw-Peters**

**Virtual Reality for Stress Relief: A Multi-Method Study on the Impact of Autonomy / Maddie Seeley**

**Optimizing plant-based protein quality for exercise recovery / Kaitlyn Severson**

**Exploring the Impact of Labour Force Statistics on Life Expectancy in Atlantic Canada / Adam Stalker**

**The Exploration of Determinants of Player Valuation in Women's Professional Soccer / Abigail Steen**

**Desertification trends following the cessation of anthropogenic carbon dioxide emissions / Violet Silva**

**Are we actually making waves? A preliminary evaluation of the Waves of Change bystander intervention training / Emilia Stewart**

**Black on White Ice: An Examination of P.K. Subban's Experience with Anti-Black Racism in Montreal / Desmond Thomas**

**Changing Attitudes Towards Disability Using Parasocial Contact / Claire Tramble**

**Investigating the Impact of Message Framing on Reactance to Alcohol Warning Labels / Kelley Trainor**



**The determinants of Postsecondary Enrollment / Francisco Xavier Chang  
Ubillus**

**Erosional Properties Affecting an Islet in the Pugwash River / Sean Alexander  
Vallis**

**A Geographic Profile of Serial Sexual Offences Committed by Former Col. D.  
Russell Williams / Robson Underwood**

**Ticking the Boxes: Temporality and Diversity in Disney Animation/  
Ciara Wainwright**

**Evaluating the Effectiveness of Canada's Species at Risk Act (SARA): Insights  
from a Atlantic salmon Case Study and the need for revision / Lauren Mary  
Walker**

**The Role of Ideological Traits and Waves of Change Bystander Intervention  
Training on Bystander Intervention Behaviors for Sexual Violence Prevention at  
StFX /Madison Walker**

**Friend or Foe? Investigating the Ecological Impacts of Orca Range Expansion in  
the Greater Hudson Bay Area. /Madelyn Weisshaar**

**Water Striders: Why they are where they is / Cody Whitlock**

**Development of the 'Maritime Diet' /Evan Wilson**

**Stuck on the Soccer Sidelines: Women athletes and ACL tears / Hannah  
Yantha**

**Thank You for Participating in  
Student Research Day 2025**