**TABLE OF CONTENTS**

- About the University
- Message From The Academic Vice-President & Provost and the Associate Vice-President, Research & Graduate Studies
- Researcher Profiles

**FACULTY OF ARTS**
- Anthropology
- Economics
- English
- History
- Modern Languages (French, German, Spanish)
- Philosophy
- Political Science
- Psychology
- Religious Studies
- Sociology

**FACULTY OF BUSINESS**
- Accounting and Finance
- Management
- Marketing and Enterprise Systems

**FACULTY OF EDUCATION**
- Adult Education
- Education

**FACULTY OF SCIENCE**
- Biology
- Chemistry
- Earth Sciences
- Human Kinetics
- Human Nutrition
- Mathematics, Statistics and Computer Science
- Nursing
- Physics

**OTHER ACADEMIC PROGRAMS**
- Climate & Environment Program
- Development Studies
- Public Policy & Governance Program
- Women’s and Gender Studies
- Coady International Institute
- Extension Department
- National Collaborating Centre for Determinants of Health

**ACADEMIC ADMINISTRATIVE UNITS**
- Vice-President’s Office
- Research Services Group

**StFX RESEARCH STATISTICS**

**ACKNOWLEDGEMENTS**
ABOUT THE UNIVERSITY

Founded in 1853, St. Francis Xavier University (StFX) in Antigonish, Nova Scotia, began as a small school of higher studies established by the Catholic Church. Today, StFX is widely recognized as one of Canada’s leading undergraduate universities with a longstanding tradition of academic excellence, innovation in teaching, research and service to society. It brings together over 4,500 students for studies in arts, sciences, business, education and applied professional programs. The University is known for its strong traditions of social engagement and service to humanity, as well as for the numerous communities with which it engages. These traditions are preserved by the research work of StFX faculty with First Nations communities, the Coady International Institute, and Service Learning experiences for students, as well the work of initiatives such as the StFX-based National Collaborating Centre for Determinants of Health. The recent launch of the newly created Mulroney Institute of Government will substantially expand and build on the StFX tradition of training leaders in public service, as well as undertaking research and scholarship on a broad range of public policy and governance topics.

Although known as a primarily undergraduate-focused university, StFX offers several Graduate Studies programs at the Master’s level, as well as a joint PhD program in Education Studies delivered in partnership with Acadia University and Mount Saint Vincent University. Research is a pervasive aspect of StFX and the University’s research activity has grown strongly in the past several decades. Research at StFX is generally regarded as an inclusive endeavour embracing the full range of intellectual, scholarly and creative activities focused on the discovery, integration, interpretation and application of knowledge. StFX has an established tradition of research-intensive scholarship across all areas of the University's academic reach, covering a range of fields in the humanities, social sciences, natural, physical, and engineering sciences, management sciences, and health sciences. StFX faculty employ a wide variety of approaches to research – from that of the individual scholar, to those who work as part of large, collaborative research teams. Research is not a homogeneous activity, and StFX remains open and committed to supporting all forms of research that serve the academic teaching, scholarly, and service missions of the University.

STFX STATISTICS FOR 2016-2017

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<th>UNDERGRADUATE STUDENTS</th>
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<td>Part-time</td>
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<td>Full-time Faculty</td>
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<td>Academic Staff</td>
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<th>NON-ACADEMIC STAFF</th>
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<tr>
<td>Full-time</td>
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We are very excited to herald the arrival of the 3rd annual Research and Scholarship Report for StFX. Our members continue to have tremendous success in obtaining grants, winning prestigious research awards, publishing monographs with leading university presses, and publishing work in the most revered peer-reviewed journals. The research and scholarship work of StFX continues to be highly cited, referenced, and recognized by peers throughout the world. We are also engaging in many knowledge translation activities that find their way into policy and best practices. Congratulations to our colleagues who set and aspire to such high research standards and creative excellence.

Dr. Kevin Wamsley
Academic Vice-President & Provost

Dr. Richard Isnor
Associate Vice-President
Research & Graduate Studies

December 2017
How can secondary and post-secondary education institutions support bridging the skills and potential of the growing young Aboriginal population with labour market needs in Atlantic Canada? That was the topic of day-long discussions at StFX on January 13, 2017 as research teams from three Maritime universities gathered to look at the labour readiness of First Nation youth and the importance that these youth have the education and qualifications to meet the demands of today’s economy.

The project, Pathway for Aboriginal Youth from High School into Post-Secondary Education and Workforce Engagement, involves researchers from StFX, the lead institution; the University of New Brunswick (UNB); and the University of Prince Edward Island (UPEI). It is funded by the Atlantic Aboriginal Economic Development Integrated Research Program. The researchers say sustained employment plays a key role in the economic prospects of First Nation communities, and education plays an important role in the pathway to meaningful and sustained employment for Aboriginal youth. Their research is expected to create a comprehensive listing of programs to assist Aboriginal youth in their journey to sustained employment, to identify pathways from high school to career including the necessity of post-secondary education, and challenges and resources along the way.

It’s also expected to create a network of university and community-based partners focused on pathways to appropriate education achievements leading to meaningful employment for First Nation youth; and to provide an understanding of the strategies integrated into and promoted by post-secondary institutions.
A research project led by StFX Rankin School of Nursing professor Dr. Donna MacDougall aimed at helping improve the health of children in Canada’s north, particularly in relation to whooping cough, has received a nearly $200,000 two year operating grant from the Canadian Institutes of Health Research (CIHR) in partnership with the Public Health Agency of Canada. It’s a research partnership between vaccinology researchers at StFX, Dalhousie, the Canadian Centre for Vaccinology, Public Health Ontario as well as health authorities of Nunavut and Nunatsiavut and the communities they serve. There are 17 investigators in total, and two other investigators from StFX, Cathy MacDonald and Jacqueline vanWijljen. Community facilitators will also participate in the research.

Currently in Nunavut, home to many of Canada’s Inuit, there is an outbreak of whooping cough, also known as pertussis, a respiratory disease that affects millions of people every year. Babies are more likely than older children and adults to catch whooping cough and those who do become very sick and may even die. Inuit babies, she says, may be at greater risk for catching pertussis as they often have more respiratory infections and poorer general health than non-Inuit children. While many people receive a pertussis vaccine, called Tdap, to protect them, babies younger than six months of age are too young to receive all the doses needed to protect them. One way of protecting these babies, she says, is to give their mothers the vaccine during pregnancy. While barriers in implementation exist that have been well documented in western nations, information specific to the Canadian Inuit community is largely unavailable. The two-year study aims to explore perceptions of Tdap vaccines and preferred sources of vaccine related information among Inuit pregnant women, antibody response during pregnancy, potential pockets of poor vaccine uptake, and possible ways of improving vaccine coverage during pregnancy. The researchers will also study and compare the nearby region of Nunatsiavut, as there is no whooping cough outbreak there, to see if there are differences in attitudes, beliefs and behaviours.
For nearly a decade, Dr. Adam Lajeunesse has studied the complex history of the Canadian Arctic to understand its future. Now, the book resulting from this research – Lock, Stock and Icebergs, A History of Canada’s Arctic Maritime Sovereignty – has earned Dr. Lajeunesse, Irving Shipbuilding Chair in Canadian Arctic Marine Security at StFX’s Mulroney Institute of Government, the prestigious $10,000 2017 John Wesley Dafoe Book Prize. The national book prize recognizes non-fiction about Canada. Dr. Lajeunesse will formally receive the honour at a gala dinner in Winnipeg on May 17.

Lock, Stock and Icebergs looks at a century of debates over ownership of the Northwest Passage and Arctic waters. In the book, Dr. Lajeunesse comes at the topic from numerous perspectives including history, economics, politics, international law, geography, security, and why it is that we call these waters Canadian. It’s a timely book, as the Arctic has emerged as a hot button topic since coming onto the political landscape around 2005. Prior to this, people didn’t pay much attention to the Arctic and questions since the 1950s were seemingly comfortably left frozen in time. Now these questions have surfaced and come to the fore again. The subject sparked his interest and he completed his masters and PhD work on the history of Canadian sovereignty in the Arctic waters. People too are becoming increasingly anxious and concerned as the Northwest Passage is melting. At the same time, there are those looking forward to new activities as the Arctic warms. And with new actors, including China, becoming involved in the mix, the questions are becoming increasingly global.
What are the health implications of public displays of affection in mixed-sex, same-sex and gender diverse romantic relationships? That’s a question StFX psychology professor Dr. Karen Blair hopes to answer. Dr. Blair has received a one-year $17,933 CIHR Institute of Population and Public Health (IPPH) planning grant that will be used to develop a proposed program of research that will focus on the potential health benefits of affection in romantic relationships.

Some of her past research has documented the negative responses that same-sex couples receive when displaying affection in public, and it is quite likely that these negative responses could turn something that should be a positive, stress-reducing experience, that is, holding hands, into something stressful and potentially damaging to one’s health. The CIHR IPPH is a unique grant in that it is actually a planning grant, and not a research grant. All funds are to be used for planning research and building a research team. The grant is specifically for individuals who take a social science approach to understanding health and who had never held cihr funding before. Provided by the Institute for Population and Public Health, the goal of the initiative is to increase cihr-funded research on the social determinants of health.
Funding from the Canada Foundation for Innovation’s John R. Evans Leaders Fund (JELF) is helping open the doors to new, innovative research at StFX. Over $200,000 will be invested in two research projects led by faculty in StFX’s Department of Chemistry. Dr. Shah Razul, Assistant Professor, received $67,544 for research equipment to help study the development and structure-functions of cryoprotectants in seafood. Dr. Geniece Hallet-Tapley, Assistant Professor, received $89,186 for her research project, which studies the applications of modified perovskite photocatalysts in fundamental organic transformations.

Dr. Razul is investigating compounds called cryoprotectants, which protect biological structures from molecular changes caused by freezing. He is specifically interested in researching lobster, and how cryoprotectants can be used to preserve both the structure and taste of frozen lobster meat. Dr. Hallet-Tapley will use the new equipment to allow her to perform a more rapid analysis of her research on nanoparticles and nanomaterials as photocatalysts for alternative energy production.


[publication grant] Social Sciences and Humanities Research Council of Canada, Scholarly Publications Program, 2017-2019 ($8,000).

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**DR. SUSAN VINCENT, PROFESSOR**


[recognition] Vincent S. (2017). Mobility of the elderly in Peru: Life course, labour and the rise of a pensioner economy in a Peruvian peasant community, received an honourable mention for the José María Arguedas prize, given by the Peru section of the Latin American Studies Association, Lima, Peru.


[editorial board member] *Journal of Undergraduate Ethnography*.


[referee] Manuscript reviewer for *Cultural Anthropology; Critique of Anthropology; Conservation and Society*.

[research grant] Vincent S. Seeking livelihood, negotiating the state: Changing families and communities in a time of low employment and state funding in Peru. Insight Grant, Social Sciences and Humanities Research Council, 2017-2021 ($129,248).

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**DR. SHARON GREGORY, ASSOCIATE PROFESSOR**


[referee] Manuscript reviewer for *I Tatti Studies; Sixteenth Century; Renaissance Quarterly*.

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**Economics**

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**DR. ZEYNEP ÖZKÖK, ASSOCIATE PROFESSOR**


[co-supervisor] Chase T. (2017). *Factors that contribute to individuals’ self-reported levels of happiness* (Unpublished BA honours thesis). Departments of Business Administration and Economics, St. Francis Xavier University, Antigonish, NS.


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**DR. FRASER SUMMERFIELD, ASSISTANT PROFESSOR**


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**DR. PATRICK WITHEY, ASSISTANT PROFESSOR**

English

**DR. MICHAEL D’ARCY, ASSOCIATE PROFESSOR**


**DR. JOSEPH KHOURY, ASSOCIATE PROFESSOR**


**DR. MAUREEN MOYNAGH, PROFESSOR**


[referee] Manuscript reviewer for *Comparative Literature and Genre; Wilfred Laurier University Press.*

[referee] Social Sciences and Humanities Research Council (Insight Grant Program); Killam Foundation (Research Grant Program).

**DR. EARLA WILPUTTE, PROFESSOR**


History

BARRY MACKENZIE, PART-TIME FACULTY


DR. LAURIE STANLEY-BLACKWELL, PROFESSOR


[board member] Board of Trustees, Association for Gravestone Studies 2017.

[board member] Board of Directors, Antigonish Heritage Museum 2010-.


[media release] *Art Donation to StFX's Father Brewer Collection*. St. Francis Xavier University, Antigonish NS, 22 August 2017.  
[link]
https://www.stfx.ca/about/news/art-donation

[media release] *StFX Faculty Deliver Lectures at Harvard University Celtic Colloquium*. St. Francis Xavier University, Antigonish NS, 14 October 2016.  
[link]
https://www.stfx.ca/about/news/stfx-faculty-present-Harvard-Celtic-Colloquium

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**Modern Languages (French, German, Spanish)**

DR. MARÍA SOLEDAD PAZ-MACKAY


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**Philosophy**

DR. STEVE BALDNER, PROFESSOR


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**DR. CHRISTOPHER BYRNE, ASSOCIATE PROFESSOR**


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**DR. WILLIAM SWEET, PROFESSOR**


[editor] *Philosophy, Culture, and Traditions* (Volume 13).

[editor] *Collingwood and British Idealism Studies: incorporating Bradley Studies*.


[president, editorial committee] *Notes et documents*.

[editorial board member] *Dialogue: Canadian Philosophical Review*.

[editorial board member] *Res philosophica*.
[editorial board member] *Science et esprit: revue de philosophie et de théologie.*

[editorial board member] *Sciences religieuses/Studies in Religion.*


[editorial board member] *Scripta philosophica.*

[editorial board member] *Dialogi Polityczne.*

[editorial board member] *Universitas.*

[editorial board member] *Melintas.*

[editorial board member] *El Farabi/Al’ Farabi: Filosofsko politologicheskii i dukhovno poznавatel'nyi zhurnal.*


[referee] Manuscript reviewer for: *Science et Esprit; Laval theologique et philosophique; Toronto Journal of Theology; Studies in Religion / Sciences religieuses; British Journal for the History of Philosophy.*

[member of scientific board] Fifth World Congress of the Conférence Mondiale des Institutions Universitaires Catholiques de Philosophie, Universidad Santo Tomas, Bogotá, Colombia, 4-9 July, 2017.


[honorary president] Istituto Internazionale Jacques Maritain.

[vice-president (Research)] Council on Research in Values and Philosophy.


[treasurer] Canadian Theological Society.

[chair] Ethics Committee, Eastern Zone, Nova Scotia Health Authority.

[member] Steering Committee, Federation internationale des sociétés de philosophie.

[member] St. Martha's Regional Hospital Mission Assurance Advisory Council


Political Science

DR. JAMES BICKERTON, ASSOCIATE PROFESSOR


DR. DOUGLAS BROWN, ASSOCIATE PROFESSOR


[referee] Manuscript reviewer for University of Toronto Press.
DR. YOUNGWON CHO, ASSOCIATE PROFESSOR


DR. PETER CLANCY, PROFESSOR


[referee] Manuscript reviewer for University of Toronto Press; Higher Education.

[referee] Social Sciences and Humanities Research Council (Insight Grant Program).
DR. LAVINIA STAN, PROFESSOR


[presentation] **Stan L.** (2017, June). *Intervention during the launch of the volume Sub aripa neagra a razboiului, by Herman Victorov*. Montreal, PQ.


[prize] President’s Research Award, 2017. St. Francis Xavier University, Antigonish NS.


[referee] Manuscript reviewer for: American Journal of Political Science; Annals of the American Association of Geographers; Business & Society; Canadian Slavonic Papers; Comparative Political Studies; Democratization; East European Politics; East European Politics & Societies; Europe-Asia Studies; European Politics and Society; International Political Science Review; Journal of Church and State; Journal of Cold War Studies; Memory Studies; Polish Political Science Yearbook; Politics and Religion (three); Religion, State and Society; Review of European and Russian Affairs; Romanian Journal of Political Science; Slavic Review; Southeastern Europe; World Politics.

[referee] Book manuscripts reviewer for: Anthem Press; Cambridge University Press; Freedom House – Nations in Transit; Palgrave Macmillan; Springer.

Psychology

DR. ERIN AUSTEN, ASSOCIATE PROFESSOR


DR. ANN BIGELOW, PROFESSOR


[award] St. Francis Xavier University Outreach Award, 2016.

[referee] Abstract Review Committee Member for the Developmental Section of the Canadian Psychological Association Conference.

[referee] Reviewer for Ontario Research Fund.

DR. KAREN BLAIR, ASSISTANT PROFESSOR


[invited presentation] Blair KL. (2016, October). *Just the two of us … or is it? The role of approval and disapproval from friends and family in making or breaking romantic relationships.* Faculty of Arts Lecture Series, St. Francis Xavier University.


[associate editor] *Psychology & Sexuality.*
[editorial board member] *Psychology of Sexual Orientation and Gender Diversity*.

[editorial board member] *Canadian Journal of Human Sexuality*.

[referee] Manuscript reviewer for 13 different journals.


[research grant] **Blair K** (co-investigator), Pukall C (co-investigator) & Gauvin S** (collaborator). *Identity or Behaviour: The predictors of sexual, relational and mental well-being among bisexual men and women in romantic relationships*. Operating Grant, American Institute of Bisexuality, 2016-2017 (USD $20,200).

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**DR. ERIKA KOCH, ASSOCIATE PROFESSOR**

[referee] Manuscript reviewer for *Self and Identity; Basic and Applied Social Psychology*.

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**DR. KARA THOMPSON, ASSISTANT PROFESSOR**


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**DR. MARGO WATT, PROFESSOR**

[research contract] **Watt M.** *Learn to Run for Anxiety: A Randomized Controlled Trial of a Short-Term, Accessible Physical Exercise Intervention for Clinical Anxiety*. Research Contract, University of New Brunswick, 2016-2017 ($995).

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**DR. ANGELA WEAVER, ASSOCIATE PROFESSOR**


Religious Studies

DR. LINDA DARWISH, ASSISTANT PROFESSOR


DR. KEN PENNER, ASSOCIATE PROFESSOR


[online resource] Co-director, Online Critical Pseudepigrapha.


Sociology

DR. PATRICIA CORMACK, PROFESSOR


DR. PETER MALLORY, ASSOCIATE PROFESSOR


FACULTY OF BUSINESS

Accounting and Finance

DR. MARY OXNER, ASSOCIATE PROFESSOR


Management

DR. MARK FULLER, ASSOCIATE PROFESSOR


DR. MONICA LENT, PROFESSOR


[editorial review board member] Social Enterprise Journal (SEJ).


Marketing and Enterprise Systems

DR. TODD BOYLE, ASSOCIATE PROFESSOR AND CANADA RESEARCH CHAIR (TIER II) IN QUALITY ASSURANCE IN COMMUNITY PHARMACY

FACULTY OF EDUCATION

Adult Education

DR. MAUREEN COADY, ASSOCIATE PROFESSOR


DR. LEONA ENGLISH, PROFESSOR


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**DR. ADAM PERRY, ASSOCIATE PROFESSOR**


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**DR. CAROLE ROY, ASSOCIATE PROFESSOR**


[recognition] Nova Scotia Legislative Assembly Dedication (Resolution 249) on November 1, 2016 for leadership and community building by initiating and organizing the Antigonish International Film Festival.  

## Education

**DR. LAURA-LEE KEARNS, ASSISTANT PROFESSOR**


**DR. LISA LUNNEY BORDEN, ASSOCIATE PROFESSOR**


[research grant] Lunney Borden L. *Connecting Math to our Lives and Communities.* Outreach Grant, Atlantic Association for Research in the Mathematical Sciences. 2016-2019 ($25,000).

**DR. KATARIN MACLEOD, ASSOCIATE PROFESSOR**


DR. JENNIFER MITTON-KÜKNER, ASSOCIATE PROFESSOR


DR. ANNE MURRAY-ORR, ASSOCIATE PROFESSOR


DR. JEFF ORR, PROFESSOR AND DEAN OF EDUCATION


DR. ROBERT WHITE, ASSOCIATE PROFESSOR


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**DR. DAVID YOUNG, ASSOCIATE PROFESSOR**


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**FACULTY OF SCIENCE**

*Biology*

**DR. DAVID GARBARY, PROFESSOR**


DR. LORI GRAHAM, ASSOCIATE PROFESSOR


DR. WILLIAM MARSHALL, PROFESSOR


[research grant] **Marshall, WS.** *Control of transport by epithelia*. Discovery Grant, Natural Sciences and Engineering Research Council, 2017-2022 ($140,000).

---

**DR. RICARDO SCROSATI, PROFESSOR**


[research grant] Scrosati RA. *Benthic-pelagic coupling and intertidal community organization on Canada’s Atlantic coast.* Discovery Grant, Natural Sciences and Engineering Research Council, 2017-2022 ($120,000).

[research grant] Scrosati RA. *The spatial ecology of habitat-forming species in intertidal rocky-shore communities.* Emerging Leaders of the Americas Program (ELAP), Global Affairs Canada, 20016-2017 ($9,700).

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**DR. RUSSELL WYETH, ASSOCIATE PROFESSOR**


[committee member] Education Committee, *Canadian Society of Zoologists*.


[editor] Associate Editor, *Canadian Journal of Zoology*.


**Chemistry**

**DR. MANUEL AQUINO, ASSOCIATE PROFESSOR**


**DR. GENIECE HALLETT-TAPLEY, ASSISTANT PROFESSOR**


[conference organization] Hallett-Tapley GL. (2017, August). 22nd Annual RISE Symposium, St. Francis Xavier University, Antigonish, NS.


[supervisor] Crabbe BW. (2017). Nanoparticle functionalized potassium triniobates as photocatalysts in C-C cross couplings (Unpublished MSc research; Nova Scotia Graduate Scholarship funded). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.


[supervisor] Kuehm OP. (2017). Palladium nanoparticle functionalized potassium triniobate as photocatalysts in homocoupling of phenylboronic acids (Unpublished summer research project; NSERC-USRA funded). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.

[supervisor] Xu Q. (2017). Applications of Ru2+ functionalized potassium niobium oxide as photocatalysts in alcohol oxidations (Unpublished summer research project). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.

[supervisor] Brooks T, Shea D, Foster I. (2017). Investigations into the fundamental design of novel photovoltaic cells (As part of industrial collaboration with Genair8 Technologies; funded by Tier I Productivity and Innovation Voucher). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.


New research funding will create unique opportunity for StFX researchers and students. St. Francis Xavier University. 15 August 2017.

DR. SHAH RAZUL, ASSISTANT PROFESSOR


Earth Sciences

DONNELLY ARCHIBALD, LAB INSTRUCTOR

https://www.journals.uchicago.edu/doi/abs/10.1086/691185


http://www.35igc.org/Verso/1/FINAL-CONGRESS-PROGRAMME


DR. HUGO BELTRAMI, PROFESSOR AND CANADA RESEARCH CHAIR (TIER I) IN CLIMATE DYNAMICS

DR. MICHAEL MELCHIN, PROFESSOR


[referee] Manuscript reviewer for Bulletin of Geosciences; Palaeoworld; Canadian Journal of Earth Sciences; Bulletin of the Geological Society of Denmark; Geology, Lethaia, and Treatise of Invertebrate Paleontology.

[editor] Palaeontographica Canadiana.


DR. BRENDAN MURPHY, PROFESSOR


[editor] Geology; Geological Society of America.


[fellowship] Hadyn Williams Fellowship, Curtin University, Australia, 2017.


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**DR. DAVID RISK, ASSOCIATE PROFESSOR**


[license issued] Emissions Attribution via Computational Techniques (“ExACT”). (8 February 2017). StFX signed a technology collaboration agreement with Altus Group for the exclusive worldwide commercialization usage rights of StFX's vehicle-based Emissions Attribution via Computational Techniques (“ExACT”) truck-based gas leak detection technology that involves background compensation algorithms and geochemical markers. Altus Group's Geomatics division offers StFX's ExACT technology as a service for energy providers and regulators.


[supervisor] Spafford L. (2016). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS. [Outstanding Student Presentation Award recipient, American Geophysical Union.]


[supervisor] Atherton E. (2016-17). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS. [Alexander Graham Bell Canada Graduate Scholarship-Masters, NSERC.]


[media article] Reports say oil and gas methane emissions higher than previously thought. *Yahoo Finance.* 27 April 2017. Currently unavailable.

[media article] Reports say oil and gas methane emissions higher than previously thought. *TBNewsWatch.* 27 April 2017. Currently unavailable.

[media article] Reports say oil and gas methane emissions higher than previously thought. *LocalExpress*. 27 April 2017. Currently unavailable.


[media article] Study shows methane released by oil and gas operations in BC higher than reported. *Energeticcity.ca*. 26 April 2017. 
https://www.energeticcity.ca/2017/04/study-shows-methane-released-oil-gas-operations-b-c-higher-reported/


Human Kinetics

DR. DAN KANE, ASSOCIATE PROFESSOR


[invited presentation] **Kane DA.** (2016, September). *Stoking the 'fire of life': Exercising mitochondria for health.* Department of Chemistry and Biochemistry, Université de Moncton.

[referee] Manuscript reviewer for *Diabetologia; Journal of Visualized Experiments; Molecular Neurobiology.*

[referee] Grant and scholarship reviewer for *Dalhousie Medicine New Brunswick Graduate Studentship; Mitacs Elevate.*


[member] Canadian Society for Exercise Physiology (CSEP).

[member] American Physiological Society (APS).

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**DR. ANGIE KOLEN, ASSOCIATE PROFESSOR**


Kolen AM & Houser NE. (2016). Using the results from the Canadian Assessment of Physical Literacy to enhance physical literacy in children. Teachers Association of Physical and Health Education. eprogram.


Kolen AM & Houser NE. (2016). Using the results from the Canadian Assessment of Physical Literacy to enhance physical literacy in children. Paper presented at the Teachers Association of Physical and Health Education.


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**DR. SASHO MACKENZIE, ASSOCIATE PROFESSOR**


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**DR. CHARLENE WEAVING, ASSOCIATE PROFESSOR**


[referee] Manuscript reviewer for Leisure; *Giffith Journal of Law and Human Dignity* (Special Issue on Gender, Culture & Narrative); Writing from Below.
DR. DEBORAH VOSSEN, ASSOCIATE PROFESSOR


Human Nutrition

DR. MARCIA ENGLISH, ASSISTANT PROFESSOR


[supervisor] Rees A. (2017). Protein extraction from the macroalgae Dulse (Palmaria palmata) and Sea Lettuce (Ulva lactuca): Impact of environmental conditions on extraction efficiency (Unpublished BSc honours thesis). Department of Human Nutrition, St. Francis Xavier University, Antigonish, NS.

DR. DORIS GILLIS, ASSOCIATE PROFESSOR


Dr. Jen Jamieson, Assistant Professor


Mathematics, Statistics and Computer Science

Dr. Jacob Levman, Assistant Professor and Canada Research Chair in Bioinformatics


[Research chair] Levman J. Tier 2 Canada Research Chair in Bioinformatics. Canada Research Chairs, 2016-2021 ($500,000).

Dr. Man Lin, Professor

DR. RYAN LUKEMAN, ASSOCIATE PROFESSOR

[research grant] **Lukeman R.** *Connecting Empirical and Mathematical Approaches to Collective Behaviour*. Discovery Grant, Natural Sciences and Engineering Research Council, 2017-2022 ($70,000).

DR. TARA TAYLOR, ASSOCIATE PROFESSOR


**Nursing**

DR. CATHY MACDONALD, ASSOCIATE PROFESSOR


[referee] Manuscript reviewer for Canadian Association of Schools of Nursing; Canadian Journal of Nursing Research; Nursing and Health Journal.


[research grant] Steenbeek A (principal applicant), MacDonald C (co-applicant), et al. Indigenous Approaches to Wellness Research. Catalyst Grant, Canadian Institutes of Health Research, 2017-2018 ($150,000).


[research grant] Ulanova M (principal applicant), MacDonald C (co-applicant), et al. Determination of Burden of Invasive Haemophilus Influenzae type a (Hia) Disease in Indigenous Communities and Study of their Knowledge, Attitudes, Beliefs, and Behaviours about Hia Disease, Vaccine, and Clinical Trials via a Community Engagement. Canadian Immunization Research Network, Canadian Institutes of Health Research, 2016-2017 ($155,040.00).

DR. DONNA MACDOUGALL, ASSOCIATE PROFESSOR


[associate director] Health Policy and Translation, Canadian Center for Vaccinology.

[member] ARCASN Research Committee.

[referee] Manuscript reviewer for Human Vaccines & Immunotherapeutics; Vaccine.

[referee] Peer reviewer for Canadian Nurses Association 2017 Scholarship awards.


[research grant] Twenty-five co-applicants, **MacDougall D**. (among 109 collaborators) Canadian Immunization Research Network. Canadian Institutes of Health Research, 2017-2022 ($2,200,000).


[research grant] **MacDougall D** (co-investigator). Determination of burden of invasive Haemophilus influenzae type a (Hia) disease in Indigenous communities and study of their knowledge, attitudes, beliefs, and behaviours about Hia disease, vaccine, and clinical trials via a community engagement. Operating Grant, Canadian Immunization Research Network, Canadian Institutes of Health Research, 2016-2017 ($155,040).

**DR. ELIZABETH MCGIBBON, PROFESSOR**


**JACQUELINE VAN WIJLEN, ASSISTANT PROFESSOR**


[committee member] Distance Nursing Education Committee.

[committee member] African NS & Indigenous Health Sciences Summer Camp, School of Nursing Faculty Member.

[member] Canadian Centre for Vaccinology, Health Policy & Knowledge Translation Group.

[board member] Building a Breastfeeding Environment (BaBE) Foundation.

Physics

DR. KARINE LE BRIS, ASSOCIATE PROFESSOR


[media article] StFX physics student completing summer internship at world-class research facility in California. https://www.stfx.ca/about/news/Matt-Martell


[travel grant] Investigation of whispery gallery mode micro-resonators as infrared trace gas sensors. Lawrence Livermore National Laboratory, Undergraduate travel award, 2017 ($5,000).

---

DR. KARL-PETER MARZLIN, ASSOCIATE PROFESSOR


---

**DR. DAVID PINK, SENIOR RESEARCH PROFESSOR**


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**DR. PETER POOLE, PROFESSOR**


[chair] ACEnet Fellowship Committee.


[member] Research Directorate, ACEnet.

[research grant] Poole P. *Complex Metastable Liquids: Phase Behaviour, Dynamics, and Nucleation*. Discovery Grant, Natural Sciences and Engineering Research Council, 2017-2022 ($150,000).


**OTHER ACADEMIC PROGRAMS**

**Climate & Environment Program**

**DR. ANDREW MACDOUGALL, ASSISTANT PROFESSOR**

[journal article] MacDougall AH. (2017). The oceanic origin of path-independent carbon budgets. *Scientific Reports*, 7, 10373, [https://www.nature.com/articles/s41598-017-10557-x](https://www.nature.com/articles/s41598-017-10557-x)

[referee] Manuscript reviewer for *Nature; Nature Communications; Journal of Glaciology; Environmental Research Letters; Scientific Reports*.


**Development Studies**

**DR. JONATHAN LANGDON, ASSOCIATE PROFESSOR AND CANADA RESEARCH CHAIR (TIER II) IN SUSTAINABILITY AND SOCIAL CHANGE LEADERSHIP**


[research grant] **Langdon J.** *Sharing the Songor story: Deepening connections between Nova Scotia and Ada, Ghana through artistic film collaboration and community dance performance.* Connection Grant, Social Sciences and Humanities Research Council, 2017-2018 ($49,925).

---

**Public Policy & Governance Program**

---

**DR. ADAM LAJEUNESSE, ASSISTANT PROFESSOR**


[lecture] **Lajeunesse A**. (2016). *Arctic Sovereignty*. Canadian Forces College, Joint Command and Staff Program Lecturer, Toronto.


[referee] Manuscript reviewer for *Journal of Military and Strategic Studies; Canadian Global Affairs Institute; Rowman & Littlefield; Arctic; Canadian Naval Review*.

[editorial board] Canadian Naval Review.


[media article] **Lajeunesse A** & Lackenbauer PW. (2017). “*Russia's Arctic Militarization: A Reality Check*,” *Arctic Deeply*. 

[policy engagement] **Lajeunesse A**. (2017). Evidence presented to the British House of Commons Defence sub-Committee on *Defence in the Arctic*.


Lajeunesse A. (2016) Policy briefings to the Department of National Defence on Whole of Government operations in the Canadian Arctic as part of a Defence Engagement Program research project, Ottawa.


Women’s & Gender Studies

DR. RACHEL HURST, ASSOCIATE PROFESSOR


Hurst R. Intergenerational Dialogues About Women's Studies Through Ruptured Time and Space. Mary Lily Research Grant, Sallie Bingham Center for Women's History and Culture, David M. Rubenstein Rare Book & Manuscript Library, Duke University, 2016 ($1,000).
Coady International Institute

CORRINE CASH, PROGRAM TEACHING STAFF


CATHERINE IRVING, LIBRARY COORDINATOR


[recognition] English L & Irving CJ. (2016). Feminism in Community. Cyril O. Houle Award, American Association for Adult and Continuing Education, for outstanding literature in adult education.


ANUJ JAIN, SENIOR FELLOW


DR. WENDY KRAGLUND-GAUTHIER, MANAGER OF NETWORKS AND ONGOING LEARNING


[referee] Manuscript reviewer for *Australasian Journal of Educational Technology; Canadian Journal for the Scholarship of Teaching and Learning; & International Higher Education Teaching and Learning.*

[chair] Antigonish County Adult Learners Association.

---

**ERIC SMITH, MANAGER OF MONITORING, EVALUATION AND LEARNING**


---

**Extension Department**

---

**STAFF**


National Collaborating Centre for Determinants of Health

CONNIE CLEMENT, SCIENTIFIC DIRECTOR


[travel grant] Clement C. Attendance at Institute for Population and Public Health Healthy Cities Think Tank. Travel Awards, Canadian Institutes of Health Research, 2017 ($955).

SUME NDUMBE-EYOH, SENIOR KNOWLEDGE TRANSLATION SPECIALIST


ACADEMIC ADMINISTRATIVE UNITS

Vice-President’s Office

DR. KEVIN WAMSLEY, ACADEMIC VICE-PRESIDENT & PROVOST


[member] Editorial Review Board, Sport History Review.


Research Services Group

JOHN BLACKWELL, DIRECTOR, RESEARCH GRANTS OFFICE


[committee member] Member, Alumni Focus Group, Review of MLIS Program, School of Information Management, Faculty of Management, Dalhousie University, Halifax, NS, 2016.


[committee member] Member, School Advisory Council, Dr. John Hugh Gillis Regional High School, Antigonish, Nova Scotia, 2016-present.

[vice-chair] Vice-Chair, Pictou-Antigonish Regional Library Board, 2017-present.


http://porthawkesburyreporter.com/maryvale-school-emerges-closure-option-srsb/


http://porthawkesburyreporter.com/residents-urge-srsb-reject-closure-proposal/


StFX RESEARCH STATISTICS

A) Externally Funded Research (all values are $000s)

Total externally sponsored research at StFX relative to eight “comparator” Canadian Universities (2012-2016). Comparator universities were selected based upon comparable levels of total external research funding in 2010 and/or regional considerations. Source: CAUBO.
B) Trends in Federal Tri-Agency Funding at StFX (all values are $000s)

![Bar chart showing trends in Federal Tri-Agency Funding at StFX (2012-2016)]

Source: CAUBO & StFX (Note: does not include Canada Research Chairs, Networks of Centres of Excellence, Canada Foundation for Innovation, or other federal research support funding.)

C) Trends in Grant/Contract Funding from Other Sources Funding at StFX (e.g., Industry, NGOs, Provincial, Government Depts.) (All values are $000s.)

![Bar chart showing trends in Grant/Contract Funding from Other Sources Funding at StFX (2012-2016)]

Source: CAUBO (note: does not include other sources of federal research funding)
D) Key Sources of External Research Funding at StFX (2016-17)

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>$ (000s)</th>
<th>% OF TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSERC</td>
<td>860</td>
<td>11.22</td>
</tr>
<tr>
<td>SSHRC</td>
<td>455</td>
<td>5.94</td>
</tr>
<tr>
<td>CIHR</td>
<td>1</td>
<td>0.01</td>
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<tr>
<td>CRC</td>
<td>575</td>
<td>7.50</td>
</tr>
<tr>
<td>CFI</td>
<td>670</td>
<td>8.74</td>
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<tr>
<td>PROVINCIAL (NS)</td>
<td>416</td>
<td>5.43</td>
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<tr>
<td>PROVINCIAL (NS)</td>
<td>124</td>
<td>1.62</td>
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<tr>
<td>INTERNATIONAL</td>
<td>93</td>
<td>1.21</td>
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<tr>
<td>OTHER FEDERAL</td>
<td>2923</td>
<td>38.13</td>
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<tr>
<td>BUSINESS</td>
<td>334</td>
<td>4.36</td>
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<tr>
<td>NGOS</td>
<td>1157</td>
<td>15.09</td>
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<tr>
<td>MISC.</td>
<td>57</td>
<td>0.74</td>
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<td><strong>TOTAL</strong></td>
<td>7,541</td>
<td><strong>100.00</strong></td>
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**Sources of “Other” Sponsored Federal Research Funding**

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>(000s)</th>
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<tbody>
<tr>
<td>A. Indirect Costs of Research</td>
<td>702</td>
</tr>
<tr>
<td>B. Departments and agencies</td>
<td></td>
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<tr>
<td>DFATD</td>
<td>92</td>
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<tr>
<td>PHAC (NATIONAL COLLABORATING CENTRE)</td>
<td>982</td>
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<tr>
<td>AIF (ACOA)</td>
<td>829</td>
</tr>
<tr>
<td>NRCAN</td>
<td>306</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,923</strong></td>
</tr>
</tbody>
</table>
E) Research Universities of the Year (RUY) Rankings: Research InfoSource

Research InfoSource (http://www.researchinfosource.com/) RUY rankings rate the top 50 Universities in Canada. RUY rankings take into account both financial input and research output and impact/quality measures. The financial input measures include total sponsored research income and research intensity. The research output and impact/quality measures include total number of publications, publication intensity and publication impact.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
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<tbody>
<tr>
<td>STFX RANK*</td>
<td>49</td>
<td>46</td>
<td>45</td>
<td>47</td>
<td>49</td>
<td>45</td>
</tr>
</tbody>
</table>

* Rank for Externally Sponsored Research Income

Research Universities of the Year (RUY): StFX Rankings for 2014, 2015, 2016

<table>
<thead>
<tr>
<th></th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
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<tbody>
<tr>
<td>Externally sponsored research income</td>
<td>47</td>
<td>47</td>
<td>43</td>
</tr>
<tr>
<td>Research intensity (external research $/faculty member)</td>
<td>43</td>
<td>44</td>
<td>41</td>
</tr>
<tr>
<td># of publications</td>
<td>45</td>
<td>39</td>
<td>46</td>
</tr>
<tr>
<td>Publication intensity (publications/faculty member)</td>
<td>45</td>
<td>41</td>
<td>47</td>
</tr>
<tr>
<td>Publication impact</td>
<td>21</td>
<td>41</td>
<td>25</td>
</tr>
<tr>
<td>Overall</td>
<td>42</td>
<td>46</td>
<td>42</td>
</tr>
</tbody>
</table>

Source: Research InfoSource

ACKNOWLEDGEMENTS

We would like to thank all faculty and staff who contributed their input to the 2016-2017 Research and Scholarship Report. We would also like to thank the StFX Communications and Marketing team, particularly Kyler Bell and Andrew Conde, for their generous assistance with the design and production of this Report.

Dr. Kevin Wamsley, Academic Vice-President & Provost

Dr. Richard Isnor, Associate Vice-President, Research & Graduate Studies