2015-2016
RESEARCH & SCHOLARSHIP REPORT
ST. FRANCIS XAVIER UNIVERSITY
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 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 2015-2016

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<th>Full-time</th>
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### Faculty & Academic Staff

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### Non-Academic Staff

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StFX Research Statistics

Acknowledgements
We are very excited to herald the arrival of the 2nd 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
MESSAGE FROM THE DIRECTOR, RESEARCH GRANTS OFFICE

This second annual Research and Scholarship Report for St. Francis Xavier University encompasses a wide range of activities in many disciplines. There were several calls inviting all faculty and staff members to submit information about their publications, external research funding, knowledge mobilization/translation activities (a rapidly expanding area as academe and technology evolve) and other research outcomes between 1 September 2015 and 31 August 2016. Academic ranks are given as of that academic year.

The net was cast widely and participation was voluntary. However, if a researcher did not make a submission to this Report but 1) participated in a group research grant, publication or thesis supervision listed by another StFX researcher in this Report, 2) held a Tri-Agency research grant, or 3) was mentioned in a StFX media release about research, then that researcher was included in this Report with that information. All submissions were edited into a consistent format and classified by type of contribution or activity. The Research and Scholarship Report also contains numerous references to undergraduate and graduate student research achievements – a primary focus of the learning experience at this University.

Thank you to everyone who generously provided information and responded to follow-up questions. Many of you kindly took the trouble to format your submissions in the standard style and this helped greatly to facilitate the process.

John Blackwell
Director, Research Grants Office
Dr. William Sweet’s appointment included giving lectures in New Delhi, Kolkata (Calcutta), Pune, Kalady, and Chennai (Madras). One of the principal purposes of the position is to allow academics of international reputation, such as Dr. Sweet, the opportunity to meet and discuss current research with Indian scholars and senior research students. The time spent in India allows for establishing and strengthening collaboration and research ties. The Indian Council of Philosophical Research (ICPR) was created in 1981 by the Ministry of Education of the Government of India in order to provide funding for research and scholarship, including fellowships, conference support, and publications. Governed by a council that includes distinguished philosophers, social scientists, and representatives of the University Grants Commission, the Indian National Science Academy, and the Central Government, the ICPR organises a wide range of national and international programs. Dr. Sweet has visited India a number of times over the past two decades, and is the author of a number of articles on Indian philosophy of the early and mid 20th century. Professor Sweet’s lectures in India focused on some of his current research in the philosophy of culture, including such themes as culture and identity, personhood and property, the politics of recognition, and intercultural philosophy and intercultural communication.
How do we understand fairness, and why do humans collaborate with each other and share resources at a cost to themselves? Does fairness develop differently across cultures? Those are the questions StFX Psychology Professor Dr. Tara Callaghan and honours 2012 StFX psychology graduate and current Simon Fraser PhD candidate John Corbit (who are also a mother-son scientist team) are helping to answer as co-authors of a paper published in Nature, an international journal known for its original, ground-breaking research spanning all scientific disciplines. This article became the most highly cited scholarly output by a StFX faculty member in 2015. The research addresses a central question in the origins of human cooperation, the question of how humans develop a sense of fairness in situations where resources are shared with others. Recently, there has been work done to investigate the development of fairness that highlights the importance of socialization in human fairness. The importance of this study is that it is the first to address the question of the origins of human fairness from a cultural developmental perspective. The study investigated the question of development of fairness across seven societies that ranged from small to large-scale societies. Research was conducted in the U.S., Canada, Peru, India, Uganda, Senegal, and Mexico. Dr. Callaghan conducted the research in India and Mr. Corbit conducted the Peru portion. They both worked on the Canadian portion.
Two StFX Physics students, Wyatt Kirkby and Warren Ferguson, have both published articles in the highly respected Physical Review journal series. This peer-reviewed journal is one of the highest impact journals for physics in the world. Mr. Kirkby has published two articles this summer, a remarkable feat say his professors. One article appeared in the Physical Review A, and the other in the Physical Review B. Mr. Ferguson has published, as co-author with Mr. Kirkby and StFX Physics professor Dr. Brandon van Zyl, an article in the Physical Review A. Mr. Wyatt graduated from StFX in May 2015 and will be pursuing an advanced degree at McMaster University in September. Mr. Ferguson is entering his third year at StFX, and is planning on using his recent publication as the foundation for his honours thesis in Physics. Both articles are theoretical in nature, and have potential impact in diverse areas such as quantum computation, and materials physics research, says Physics professor Dr. Peter Poole. Both Mr. Kirkby and Mr. Ferguson performed their research under the supervision of Dr. van Zyl in the StFX Physics Department with support from the Natural Sciences and Engineering Research Council (NSERC) of Canada, and the NSERC Undergraduate Student Research Award (USRA) program.
X-Chem Outreach is getting a boost from Google to help fund the summer science camps which will offer two Codemaker camps at StFX, as well as increase the computer science at all StFX camps. The funding comes through Actua, an organization which provides training, resources and support to its national network of members located at universities and colleges across Canada in the delivery of science, technology, engineering and mathematics (STEM) education outreach programming. One type of Codemaker camp will help children to learn to use technology to let out their creative side by exploring the basics of picture and video filming and editing, basic circuitry, and creating computer games. The second type of Codemaker camp will focus on programming, with campers learning how computers are used to solve problems and how to create new technologies themselves. Students will look at a few common programming languages, some game making, and creating websites. X-Chem is one of a few summer camps in the province that teaches computer coding. This year X-Chem is incorporating a Codemaker Day into all camps, as well as having two dedicated Codemaker camps. Next week will be the first Codemaker camp of the summer. “All X-Chem participants will get a chance to experience coding,” says StFX chemistry professor and X-Chem founder Dr. Truis Smith-Palmer. Students will experience, not only coding on the computer but take part in hands-on experiments that help children learn about coding. “Students will use ‘Makey Makey’ kits with which they interface all sorts of everyday objects with a computer,” added Dr. Smith-Palmer. Younger students will make things such as conductive play dough. These activities are in line with the province's Education Action Plan and ACTUA, which supports X-Chem and inspires youth through digital literacy and computer science. Last fall, the province stated that coding, an initiative in Nova Scotia’s Action Plan for Education, is an essential skill which promotes problem solving, teamwork, critical thinking, and innovation. X-Chem is a multifaceted outreach program with over 20 years of experience engaging youth in science. The goal is to inspire curiosity in youth and stimulate an interest in science. X-Chem provides children with an opportunity to do hands-on science and to connect children to working scientists.
SECOND STAR TO THE RIGHT AND STRAIGHT ON ‘TIL MORNING*: CHARTING A COURSE FOR SOCIALLY RESPONSIBLE BUSINESS STRATEGY

Investing in our communities, reducing our environmental footprint, and managing our collective financial responsibility to our diverse stakeholders – more than ever before, the business world finds itself coping with and adapting to the challenges of our modern world. As our society evolves from a business-for-profit to a business-for-purpose orientation, StFX’s business school stands ready for the challenge. Research by Dr. Mark Fuller of the Schwartz School of Business explores ways in which Canadian firms can achieve socially, environmentally, and fiscally sustainable competitive market positions. His research suggests that corporate reporting in Canada conveys different messages to different audiences, rather than each firm speaking with one voice and a common set of values to all who hear it. And while Canadian firms have embraced responsible management practices faster than some of our rivals around the world, our comparative advantage may soon be eclipsed by our global competitors. In a nation where diversity is seen as a strength, where global engagement a benefit, and shared wealth a goal, Dr. Fuller’s research is helping to educate Canada’s next generation of business leaders to pick up the torch, to lead by example, and to embrace the world beyond our window.

* J.M. Barrie, Peter Pan
Dr. Katarin MacLeod's research is focused on the broad topic of science education; more specifically STEM (Science, Technology, Engineering and Mathematics) education and PER (Physics Education Research). Her work has appeared in a wide variety of publications including the Canadian Journal of Physics, the European Journal of Physics Education, the Journal of Workplace Rights, and Physics Education. Among the courses she has taught at StFX are “Critical Research Literacy in Education” and “Assessment in Mathematics” at the graduate level; and “Curriculum and Instruction in Secondary Science Education,” “Teaching Mathematics in Middle School,” and “Assessment of Learning” within the Bachelor of Education program. Dr. MacLeod also initiated and delivered “Teaching and Learning in the Physical Sciences” within the Bachelor of Science program, a course her students report helped them to make important connections between scientific theory, STEM, and real world application.

In her 2016 book The Physics Educator: Tacit Praxes and Untold Stories, co-edited with Dr. Thomas Ryan from Nipissing University, Dr. MacLeod provides important insights into physics education initiatives at the tertiary level. The peer-reviewed book captures the narratives of 10 post-secondary professors who currently teach physics or engineering undergraduate courses or physics education courses. “It is a global sample—including contributors from StFX—of physicists and physics educators who share with the reader their experiences of teaching physics, the challenges that they have faced, and how they have overcome these challenges in order to better engage students as they learn physics. Each chapter author presents a unique situation that has elements of transferability to the reader’s own classroom situation,” Dr. MacLeod says. The Physics Educator is not meant as a teaching manual, she says; rather, “it instructs by storytelling and has an important set of messages” for the reader to consider in terms of the pedagogical processes of teaching and learning physics and other courses in higher education. Dr. MacLeod's conceptualization of a text that detailed the teaching practices of physicists and physics educators began shortly after the completion of her doctoral dissertation in 2012. She says the need for such content was confirmed after working with physicists from StFX, Dublin City University, and the University of Queensland, and through their conversations, the idea and interest grew.
STFX Economics Students Take Top Prize at a Professional Conference and Publish Work in a Refereed Journal

Students Bob Millard (BSc honours in Economics), a graduate of Rothesay High School in Rothesay, New Brunswick, and Tara Myden (BBA joint honours in Business and Economics), a graduate of Bishop Grandin High School in Calgary, AB, won the undergraduate award at the Atlantic Canada Economic Association’s (ACEA) annual conference held at Acadia University, 23-25 October 2015. The conference attracts leading economists from across Atlantic Canada every year. ACEA awards the “student prize” to the best presentation given at the conference by participating students. The paper that formed the basis for Mr. Millard and Ms. Myden’s presentation, “Economic Costs and Impacts of the 2014-2015 Oil Price Shock in NL & AB,” evaluates the short-run and long-run economic impacts of the recent oil price drop on the oil-producing provinces of Newfoundland and Alberta. Funding for the project came from Memorial University’s CARE program. Laura Corbett (BA honours in Economics), a graduate of Unionville High School in Unionville, ON, and recipient of the MacDonald Prize as the top Economics student at StFX’s Spring 2015 Convocation, also had an article accepted for publication in a peer-reviewed journal. The article, "The Economic Impact of the Mountain Pine Beetle Infestation in British Columbia: Provincial Estimates from a CGE Analysis," was based on her honours thesis and is co-authored by Dr. Patrick Withey (StFX), Dr. Van Lantz (UNB) and Dr. Thomas Ochuodho (Virginia Tech). The article will appear in *Forestry: An International Journal of Forest Research*, published by Oxford University Press. The work evaluates the long-run economic impact of the mountain pine beetle epidemic in British Columbia using a general equilibrium model. The results of this paper will be very important for policy makers trying to determine the net benefits of slowing similar epidemics in other regions.
Dr. Jonathan Langdon, an associate professor in StFX’s Development Studies Program and Adult Education Department, has been awarded a five-year renewable Canada Research Chair (CRC Tier 2) in Sustainability and Social Change Leadership, as well as a Canadian Foundation for Innovation (CFI) infrastructure grant through its John R. Evans Leaders Fund, to launch major new research efforts on social change leadership. Dr. Langdon’s research seeks to improve the understanding of how leaders for social change in support of sustainability emerge and how they learn from each other to magnify the impact of their work at a local level. Leaders are emerging in localities throughout the world to face climate change impacts, cultural homogenization through globalization, and other locally defined sustainability and social challenges. There is much that these leaders and the local efforts, communities and social movements from which they emerge, can learn from each other, whether they be in Africa, Latin America or in Canada. As Canada Research Chair in Sustainability and Social Change Leadership, Dr. Langdon will focus new research on efforts to understand how local leaders emerge, how they learn from one another, how they exchange knowledge in order to share what they know to improve local efforts, and how they work to build trans-local collaborative networks that generate local action where other forms of leadership have failed. The first five years of this research will link with already established connections in two contexts in Ghana (Ada in the south, and Tongo in the north), with an emerging connection in Guatemala (Rabinal), and then with three contexts in Canada, including one First Nation community (Paq’tnkek). The other Canadian contexts are Tatamagouche, NS, which has a strong link to Rabinal through its Breaking the Silence (BTS) network, and Antigonish, NS, which has already connected to Ada through a joint radio program focused on community resiliency.
Dr. Karine Le Bris’s state-of-the-art facility, the Laser Spectroscopy Laboratory, has been built to undertake her research program, dedicated to the study of trace molecules by laser spectroscopy. The laboratory was mostly funded by the Canadian Foundation for Innovation (CFI) – Leader Opportunity Funds (now renamed John R. Evans Leaders Fund), the Nova Scotia Research and Innovation Trust (NSRIT) matching funds, and a NSERC Discovery Grant. In total, she has received over $422,000 in funding to establish this laboratory. “Climate change and its consequences are one of the most important issues humanity will have to face in the coming decades. Reliable modeling of climate change can only come from an accurate knowledge of the composition of the atmosphere,” she explains. “Over the last 20 years, an unprecedented number of satellite, balloon and ground-based measurement programs have been developed to sound the atmosphere using optical spectroscopy.” However, the current missions face two main issues: the lack of sensitive portable instruments for in-situ spectral acquisitions and the imperfect knowledge we have regarding the spectroscopic signature of molecules present in the atmosphere.” Dr. Le Bris says the main goals of her research are to develop portable spectroscopic tools for in-situ detection of atmospheric trace gases, and to fingerprint larger molecules of atmospheric importance so they can be detected and their impacts on climate taken into account. Dr. Le Bris’ team is currently composed of an experienced postdoctoral fellow, Dr. Mourad Roudjane, who is working on the creation of a new mid-infrared laser trace gas sensor, and a second-year physics student, Matthew Martell, who is the recipient of a 2016 NSERC USRA. The research team’s current targets are larger molecules containing chlorine and fluorine which have high global warming potential. The second aspect of the program is to create a new trace gas sensor to detect these molecules in the atmosphere, to measure their impacts on the environment. They have also plan to expand this technique to the medical field. “Right now we're working to verify the sensibility of the technique,” she says. “We really want to create a device that is useful in the community.”
RESEARCH AND SCHOLARSHIP LISTINGS
FACULTY OF ARTS

Anthropology

DR. CHRISTINA HOLMES, ADJUNCT PROFESSOR


[conference paper] Holmes C. (2015, November). Proteomics as an emerging technology and field of science: Or technology to the left of me, science to the right, stuck in the middle with Standards. Paper presented at the Society for Social Studies of Science Meetings (4S), Denver, CO.


DR. L. JANE MCMILLAN, ASSOCIATE PROFESSOR & CANADA RESEARCH CHAIR (TIER II) IN INDIGENOUS PEOPLES AND SUSTAINABLE COMMUNITIES


[supervisor] Scoles C. *Roma, culture, identity and experiences in a 'Gypsy Shore'* (Unpublished BA honours thesis). Department of Anthropology, St. Francis Xavier University, Antigonish, NS.

[research chair] McMillan LJ. *Canada Research Chair (Tier II) in Indigenous Peoples and Sustainable Communities*. Social Sciences and Humanities Research Council of Canada, 2011-2016 ($500,000).


DR. SUSAN VINCENT, PROFESSOR


[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 of Canada, 2016-2021 ($129,248).


Art

MURRAY GIBSON, PART-TIME FACULTY & INTERIM CHAIR


DR. SHARON GREGORY, ASSOCIATE PROFESSOR


[panelist] Part time is real time. Presentation at StFXAUT Forum, 26 February 2016.


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WILLIAM ROGERS, PART-TIME FACULTY

[media release] StFX Fine Art faculty member has busy season of exhibitions, competitions and events. St. Francis Xavier University, Antigonish, NS, 11 May 2016. Retrieved from [https://www.stfx.ca/about/news/stfx-fine-art-faculty-member-has-busy-season-exhibitions-competitions-and-events](https://www.stfx.ca/about/news/stfx-fine-art-faculty-member-has-busy-season-exhibitions-competitions-and-events)


Celtic Studies

DR. MICHAEL LINKLETTER, ASSOCIATE PROFESSOR AND SISTER SAINT VERONICA CHAIR IN CELTIC STUDIES


[workshop presentation] Linkletter M. (2016, March 11). Gaelic and StFX in the session, Researching & the Local at StFX, as part of a workshop on Researching in Rural Places: University-Community Collaborations for a Better Future, St. Francis Xavier University, Antigonish, NS.


[board member] Member, Board of Trustees, Baile nan Gàidheal/Highland Village, Nova Scotia Museums, Iona, NS.


[media release] StFX faculty have incredibly successful year in receiving SSHRC research grants. St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

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DR. RANKE DE VRIES, ASSOCIATE PROFESSOR AND BEN ALDER CHAIR IN CELTIC STUDIES


[second reader] Smith C. (2016). An edition and analysis of the song titled "Do mhaighdinn oig mor nic Ionmhuinn air dha a facinn aig ball nam Muilleach [To a young maiden, Mòr MacKinnon, after seeing her at the Mull islanders’ ball]," composed by Tiree poet Neil MacLaine (Unpublished BA honours thesis; supervised by Dr. Michael Linkletter). Department of Celtic Studies, St. Francis Xavier University, Antigonish, NS.
[second reader] Watson F. (2016). *Blended identities in Wales of the long twelfth century* (Unpublished BA honours thesis; supervised by Dr. Donna Trembinski). Department of Celtic Studies, St. Francis Xavier University, Antigonish, NS.


[panelist] de Vries R. (2016, March 30). *Introduction to medieval medicine/medicine in early Irish law.* Presentation in 2 sections of panel on medieval medicine as part of the Health Sciences Colloquium, St. Francis Xavier University, Antigonish, NS.

**Economics**

DR. SANTO DODARO, ASSOCIATE PROFESSOR


DR. ZEYNEP ÖZKÖK, ASSISTANT PROFESSOR


[fellowship] Fellow, Jean Monnet European Union Centre of Excellence, Dalhousie University, Halifax, NS.

[media release] Economic student researchers have active summer, gaining appreciation for research, clearer idea for their futures. St. Francis Xavier University, Antigonish, NS, 15 September 2015. Retrieved from https://www.stfx.ca/about/news/economic-student-researchers-have-active-summer-gaining-appreciation-research-clearer

DR. GREGORY TKACZ, ASSOCIATE PROFESSOR


[media release] Economic student researchers have active summer, gaining appreciation for research, clearer idea for their futures. St. Francis Xavier University, Antigonish, NS, 15 September 2015. Retrieved from https://www.stfx.ca/about/news/economic-student-researchers-have-active-summer-gaining-appreciation-research-clearer

DR. PATRICK WITHEY, ASSISTANT PROFESSOR


[board member] Member, Editorial Board, Forestry: An International Journal of Forest Research, 2014-present. [Published by Oxford University Press since 1927.]

**English**

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

[research grant] D’Arcy M. *Backward art: Late modernism after new media.* Insight Development Grant, Social Sciences and Humanities Research Council of Canada, 2016-2018 ($26,575).


**DR. JOSEPH KHOURY, ASSOCIATE PROFESSOR**


**DR. PAUL MARQUIS, PROFESSOR**


the Humanities Colloquium Capstone Lecture Series, St. Francis Xavier University, Antigonish, NS.


[board member] Member, Advisory Council, Renaissance English Text Society.

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DR. MAUREEN MOYNAGH, PROFESSOR


[board member] Member, Editorial Board, *Canadian Literature.*


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DR. MATHIAS NILGES, ASSOCIATE PROFESSOR


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**DR. EARLA WILPUTTE, PROFESSOR**


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**DR. KAILIN WRIGHT, ASSISTANT PROFESSOR**


[representative] StFX representative on Canada Council for the Arts Committee. [This regional committee selects writers to visit universities in Atlantic Canada.]

[representative] StFX representative for Association of Canadian College and University Teachers of English (ACCUTE), 2013-present.

[adjudicator] Member, Awards to Scholarly Publications Program (ASPP) Publications Committee, Federation for the Humanities and Social Sciences (in affiliation with the Social Sciences and Humanities Research Council of Canada), 2016-present.

History

DR. SAMUEL KALMAN, ASSOCIATE PROFESSOR


[editorial board member] Member, Editorial Board, Historical Reflections / Réflexions historiques.


[adjudicator] Member, Selection Committee 1A (History), Insight Grants, Social Sciences and Humanities Research Council of Canada.

[media release] StFX faculty have incredibly successful year in receiving SSHRC research grants. St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

DR. LAURIE STANLEY-BLACKWELL, PROFESSOR


[supervisor] Caldwell H. (2016). "Is no voice sufficient?": The female student experience at St. Francis Xavier University during the 1940s (Unpublished BA honours thesis). Department of History, St. Francis Xavier University, Antigonish, NS.


[media release] StFX faculty have incredibly successful year in receiving SSHRC research grants. St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

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DR. DONNA TREMBINSKI, ASSOCIATE PROFESSOR


[board member] Member, Advisory Board, Canadian Society of Medievalists.

[committee member] Member, Equity Committee, Canadian Society of Medievalists.

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DR. ROBERT ZECKER, ASSOCIATE PROFESSOR


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

**MARLIS LADE, PART-TIME FACULTY**


**DR. EDWARD LANGILLE, PROFESSOR**


**MARÍA SOLEDAD PAZ-MACKAY, LECTURER**


**DR. WOJCIECH TOKARZ, ASSISTANT PROFESSOR**


Music

PROF. KEVIN BRUNKHORST


PROF. PAUL TYNAN, ASSOCIATE PROFESSOR


[performance] Be Bop Band, Cape Breton Jazz Festival, Sydney, NS, August 2015.


[performance] Paul Tynan/Jake Hanlon Duo, East Coast Music Association Conference, St. John's, NL, April 2015.

[adjudicator] International Jazz Competition Finals Judge, Trumpet Guild, Columbus, OH, June 2015.


**Philosophy**

**DR. DOUGLAS AL-MAINI, ASSISTANT PROFESSOR**


**DR. STEVE BALDNER, PROFESSOR**


DR. CHRISTOPHER BYRNE, ASSOCIATE PROFESSOR

[supervisor] MacDonald S. (2016). Conditions determining the temporal identity conditions of perceptible objects (Unpublished BA honours thesis). Department of Philosophy, St. Francis Xavier University, Antigonish, NS.


DR. MARTIN CAPSTICK, ASSISTANT PROFESSOR


DR. JAMES MENSCH, SENIOR RESEARCH PROFESSOR


DR. WILLIAM SWEET, PROFESSOR


[panelist] Invited Round Table Participant, Nature and Creation: Pope Francis on Care for our Common Home, St. Francis Xavier University, Antigonish, NS, 28 January 2016.


[committee member] Member, Ethics Working Group, Catholic Health Alliance of Canada, 2014-present.

[committee member] Member and Chair, Jay Newman Memorial Lecture Committee, Canadian Theological Society, 2013-present.

[committee member] Member, St. Martha's Regional Hospital Mission Assurance Advisory Council, 2011-present.

[committee member] Member (and Chair 2009-2016), Zone Ethics Committee, Nova Scotia Health Authority (Eastern Zone) [from 2000-2016, designated "Guysborough Antigonish Strait Health Authority"], 1999-present.


[organizer] Member of the Comitato Scientifico, VI World Congress of Metaphysics, Salamanca, Spain, 12-14 November 2015. [http://www.romemetaphysics.org/]


[award] University Outreach Award, St Francis Xavier University, 2015-2016.


[editor] Philosophy, Culture, and Traditions, 2001-present.


[board member] Member, Editorial Advisory Board, Dialogi Polityczne [Torun, Poland], 2012-present.

[board member] Member, Editorial Advisory Board, Scripta Philosophica: Research Bulletin of Doctoral Students of the Philosophy Faculty at KUL [Catholic University of Lublin], 2012-present.

[board member] President, Editorial Committee, Notes et documents, 2011-present.

[board member] Member, Editorial Board, Culture and Dialogue, 2011-present.


[board member] Member, Editorial Advisory Board, *Universitas* [journal of the Faculty of Philosophy, Fu Jen Catholic University, Taiwan], 2003-present.

[board member] Member, Editorial Advisory Board, *Melintas* [journal of the Faculty of Philosophy, Parahyangan Catholic University, Bandung, Indonesia], 2003-present.

[board member] Member, Editorial Advisory Board, *ÇAtlantic Qazaq Universiteti* [Almaty University of Kazakhstan], 2003-present.


[referee] Manuscript reviewer for *Science et Esprit; Toronto Journal of Theology [Darwinism]; Dialogue; Sophia; Fidelitas; Studies in Religion / Sciences religieuses; Toronto Journal of Theology; Science et Esprit; Journal of the Philosophy of History; & Political Studies.*


[external assessor] External Assessor for application for promotion to Professor, University of Winnipeg, Winnipeg, MB, 2016.

[consultant] Ethics Consultant, St Martha's Regional Hospital, 2000-present.


[consultant] Ethics Consultant, St Martha's Regional Hospital, 2000-present.

[TV interview] Interview on Mother Teresa, CTV Atlantic, February 2016.


Political Science

DR. JAMES BICKERTON, PROFESSOR

[supervisor] Burgess B. (2016). The underrepresentation of women in Canadian federal politics (Unpublished BA honours thesis). Department of Political Science, St. Francis Xavier University, Antigonish, NS.


[conference paper] Bickerton J. (2015, October). Presentation at roundtable on The Canadian Federal Community, Institute for Research on Public Policy, Memorial University, St. John’s, NL.


DR. DOUGLAS BROWN, ASSOCIATE PROFESSOR


[supervisor] Hreljac K. (2016). The current case of Canadian bulk water exports (Unpublished BA senior research project). Aquatic Resources Program, St. Francis Xavier University, Antigonish, NS.

[fellowship and board member] Fellow and member of Advisory Council, Institute of Intergovernmental Relations, Queen’s University, Kingston, ON.
[referee] Manuscript reviewer for University of Toronto Press.


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**DR. YOUNGWON CHO, ASSISTANT PROFESSOR**


[award] Visiting scholar, Asiatic Research Institute, Korea University, Seongbuk-gu, Seoul, South Korea, 1 September - 31 December 2015.


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**DR. PETER CLANCY, PROFESSOR**


[award] University Research Award, St. Francis Xavier University, Antigonish, NS, 2016.

[referee] Manuscript reviewer for University of Toronto Press.
[referee] Manuscript reviewer for *Journal of Canadian Studies*.

[external reviewer] Insight Grant Program, Social Sciences and Humanities Research Council, 2016.

[media release] *StFX faculty have incredibly successful year in receiving SSHRC research grants.* St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from [https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants](https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants)

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**DR. YVON GRENIER, PROFESSOR**


[contributor] Collaborator with V-Dem Institute, a vast international project to collect data on democracy in the world. [Information on this...](#)
[referee] Manuscript reviewer for Springer (Germany); & Literal Publishing (USA).

[public outreach] Regular political commentor for Radio Canada, on regional, national and international issues (programs like Le Réveil, L'Heure Juste, Format Libre, Le 24/60, etc.)

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**DR. STEVEN HOLLOWAY, PROFESSOR**


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**DR. LAVINIA STAN, ASSOCIATE PROFESSOR**


[committee member] Member in the selection committee of the members of Commission for Sociology and Political and Administrative Sciences of Consiliul Național de Atestare a Titlurilor, Diplomaelor si Certificatelor Universitare (CNATCDU) for 2016-2020, Romanian Ministry of Education, appointed by Order of the Minister, 4 May 2016 to present.

[conference organizer] As President of the Society of Romanian Studies (with members across many countries), organized the 7th SRS international conference in Bucarest, Romania in summer 2015. The conference gathered 320 active participants and a number of other scholars working in fields as diverse as political science, history and literature, music and dance.

[referee] Manuscript reviewer for Anthem Press; Berghahn; Cambridge University Press; Freedom House – Nations in Transit; Oxford University Press; Palgrave Macmillan; Springer; Stanford Press; & University of Toronto Press.

[referee] Manuscript reviewer for *Annals of the American Association of Geographers; Comparative Political Studies; Democratization; East European Politics; East European Politics & Societies and Cultures; Europe-Asia Studies; Journal of Cold War Studies; Memory Studies; Polish Political Science Yearbook; Romanian Journal of Political Science; Southeastern Europe; Aspasia: The International Yearbook of Central, Eastern and Southeastern European Women’s and Gender History; Cambridge Review of International Affairs; East European Politics & Societies and Cultures; East/West: Journal of Ukrainian Studies; Cooperation and Conflict: Journal of the Nordic International Studies Association; European Politics & Society; Government & Opposition; International Journal of Communication; International Journal of Transitional Justice; & Journal of Cold War Studies.*

[external assessor] External assessor for the promotion to Full Professor of faculty member, Macalester College, St. Paul, MN, December 2016.

[external assessor] External assessor for the promotion to Full Professor of faculty member, University of Maryland, Baltimore, MD, October 2016.


[media release] StFX faculty have incredibly successful year in receiving SSHRC research grants. St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

Psychology

DR. ERIN AUSTEN, ASSISTANT PROFESSOR


[board member] Member, Board of Directors, BaBE (Building a Breastfeeding Environment), Antigonish, NS.

[referee] Manuscript reviewer for Oxford University Press.

DR. LINDSAY BERRIGAN, ASSISTANT PROFESSOR

[co-supervisor with K Brebner] Taylor C. (2016). Evaluating the influence of symptoms of anxiety and depression on substance use in university students with Attention-Deficit/Hyperactivity Disorder (ADHD) (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS.


DR. ANN BIGELOW, PROFESSOR


[research grant] Bigelow AE. Influences of maternal behavior on infants’ contingency detection and cognitive and emotional development. Discovery Grant, Natural Sciences and Engineering Council of Canada, 2016-2021 ($125,000).


[research grant] Bigelow AE. Development of infants’ contingency detection: Influences of maternal behavior and effects on cognitive abilities. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2010-2015 ($135,000).


[board member] Member, Editorial Board, Infant Behavior and Development.

[referee] Reviewed manuscripts for Child Development; Developmental Psychology; Infancy; Infant Behavior and Development; Infant and Child
Development; Cognition; Cognitive Development; Health and Behavioral Medicine; Journal of Immigrant and Minority Health; & Suvremena Lingvistikà Journal.

DR. KAREN BLAIR, ASSISTANT PROFESSOR


[chair] Chair, Sexual Orientation & Gender Identity Section, Canadian Psychological Association, 2014-present.

[chair] Program Chair, Sexual Orientation & Gender Identity Section, Annual Canadian Psychological Association Convention, June 2016


DR. KAREN BREBNER, PROFESSOR AND DEAN OF ARTS


[co-supervisor with L Berrigan] Taylor C. (2016). Evaluating the influence of symptoms of anxiety and depression on substance use in university students with Attention-Deficit/Hyperactivity Disorder (ADHD) (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS.


**DR. TARA CALLAGHAN, PROFESSOR**


**DR. PETRA HAUF, PROFESSOR, DEAN OF SCIENCE, AND CANADA RESEARCH CHAIR (TIER II) IN COGNITIVE DEVELOPMENT**


[research grant] Hauf P. *The impact of motor experience on object exploration, motor competence, and action understanding*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2021 ($150,000).

[research chair] Hauf P. *Canada Research Chair (Tier II) in Cognitive Development*. Social Sciences and Humanities Research Council of Canada, 2011-2016 ($500,000).


**DR. ERIKA KOCH, ASSOCIATE PROFESSOR**


[participant] StFX for SAFE (Syria-Antigonish Families Embrace).

[referee] Manuscript reviewer for *Cognitive Therapy and Research*.

[external reviewer] Served as external evaluator for tenure application at Arcadia University, Glenside, PA.
DR. KIM MACLEAN, ASSOCIATE PROFESSOR


DR. KARA THOMPSON, ASSISTANT PROFESSOR


[co-supervisor with Dr. Sherry Stewart] Ivany M. (2016). Alcohol culture in campus residences: An examination of individual and environmental predictors of heavy drinking (Unpublished BSc honours thesis). Department of Psychology, Dalhousie University, Halifax, NS.


DR. MARGO WATT, PROFESSOR


[research grant] Olthuis JV (principal investigator); Stewart SH & Watt MC (co-investigators). Comparing the efficacy of CBT for anxiety sensitivity to disorder-specific CBT in reducing mental health symptoms: A randomized controlled trial. Project Grant, Canadian Institutes of Health Research, 2016-2019 ($555,000).

[co-supervisor with Dr. Sherry Stewart] Pridy C. (2016). Do people with high (vs. normative) anxiety sensitivity listen to music for different reasons? (Unpublished BA Honours thesis). Department of Psychology, Dalhousie University, Halifax, NS.


[conference poster] Pridy C & **Watt MC.** (2016, June). *Do people with high (vs. normative) anxiety sensitivity listen to music for different reasons?* Poster presented at the 77th Annual convention of the Canadian Psychological Association (CPA), Victoria, BC.


[invited talk] **Watt MC.** (2015, October). "*Will you walk into my parlour?* said the spider to the fly": A black widow. Presentation to Women in Law Enforcement Conference, Truro, NS.


**DR. ANGELA WEAVER, ASSOCIATE PROFESSOR**


**Religious Studies**

**DR. RONALD CHARLES, ASSISTANT PROFESSOR**


**DR. LINDA DAWISH, ASSISTANT PROFESSOR**

[research grant] Darwish LM (primary investigator); Clarke L (co-investigator). *Meaningful journeys: Lived religion among Muslim refugees in Canada.* Insight Grant, Social Sciences and Humanities Research Council of Canada, 2016-2021 ($109,621).

**DR. BURTON MACDONALD, SENIOR RESEARCH PROFESSOR**


**DR. KENNETH PENNER, ASSOCIATE PROFESSOR**


**Sociology**

**DR. ROD BANTJES, PROFESSOR**


[supervisor] Fitzpatrick J. (2016). *Restraints and resistance: The struggle between neoliberalism, universities and student activism* (Unpublished honours thesis). Department of Sociology, St. Francis Xavier University, Antigonish, NS. [Fitzpatrick was awarded the Canadian Sociology Association Undergraduate Student Award.]

[public talk/launch] Public talk and launch of an online mapping project: Eigg Mountain Settlement History Project, an Account of a Community Mapping Collaboration, Antigonish Heritage Museum, Antigonish, NS, 13 March 2016. [The map: [http://arcg.is/1Luu4H](http://arcg.is/1Luu4H)]

**DR. PATRICIA CORMACK, PROFESSOR**


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**DR. LYNDA HARLING STALKER, ASSOCIATE PROFESSOR**


[second reader] Dechief T. (2016). *The contemporary production of death: The emotional exchange of consumption* (Unpublished BA honours thesis; supervised by Dr. Patricia Cormack). Department of Sociology, St. Francis Xavier University, Antigonish, NS.


[research associate] Institute for Island Studies, University of Prince Edward Island, Charlottetown, PE.

[research associate] Scottish Centre for Island Studies, University of the West of Scotland, Hamilton, UK.

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**DR. DAVID LYNES, ASSOCIATE PROFESSOR**


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**DR. DAN MACINNES, RETIRED FACULTY**


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**DR. JOHN PHYNE, PROFESSOR**


[research grant] Phyne J. *Contesting urban space: Changes to the centre of St. John’s, Newfoundland and Labrador, 1950 to 1966.* Insight Development Grant, Social Sciences and Humanities Research Council of Canada, 2014-2016 ($64,752).


[media release] *StFX faculty have incredibly successful year in receiving SSHRC research grants.* St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

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**DR. NORINE VERBERG, ASSOCIATE PROFESSOR**

FACULTY OF BUSINESS

Business Administration

JENNIFER ALEX, LECTURER


DR. MONICA DIOCHON [LENT], PROFESSOR


[supervisor] Lambourne B. (2016). How non-profits are responding to current opportunities and challenges: An exploration of the role of entrepreneurship in non-profit infrastructure funding [Unpublished BBA honours thesis]. Department of Business Administration, St. Francis Xavier University, Antigonish, NS.

[editor] Associate Editor, Journal of Asia Entrepreneurship and Sustainability.


[referee] Reviewer, Canada Research Chairs Program.

[external assessor] External Promotion Review, School of Business, Mount Saint Vincent University, Bedford, NS.


DR. MARK FULLER, ASSOCIATE PROFESSOR


[referee] *Management Decision*, 2016 to present.

**DR. TIM HYNES, PROFESSOR AND DEAN OF BUSINESS**


**DR. OPAL LEUNG, ASSISTANT PROFESSOR**


[referee] Manuscript reviewer for the Management Education & Development (MED) and the Careers (CAR) divisions for the Academy of Management conference, Anaheim, CA, 5-9 August 2016. [Received an Outstanding Reviewer Award in the MED division.]


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**DR. BRAD LONG, ASSOCIATE PROFESSOR**


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**LARRY MACEACHERN, PART-TIME FACULTY**


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**MARK MACISAAC, LECTURER**


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**DR. NEIL MALTBY, ASSISTANT PROFESSOR**


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**DR. BOikki MORRISON, ASSISTANT PROFESSOR**


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**DR. MARY OXNER, ASSOCIATE PROFESSOR**


[panelist] Oxner M. (2016, March 11). Researching in rural places: University-community collaborations for a better future. Presentation in panel discussion, Researching in the Local Community, Centre for Regional Studies Workshop, St. Francis Xavier University, Antigonish NS.


Information Systems

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


DR. HOSEIN MARZI, PROFESSOR


FACULTY OF EDUCATION

ADULT EDUCATION

DR. MAUREEN COADY, ASSOCIATE PROFESSOR


DR. LEONA ENGLISH, PROFESSOR


[honour] Inducted into the International Hall of Fame for Adult Education, 2015.


[adjudicator] Social Sciences and Humanities Research Council of Canada.


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**DR. CAROLE ROY, ASSOCIATE PROFESSOR**


Education

DR. CHRIS GILHAM, ASSISTANT PROFESSOR

[research grant] Ruckstuhl S (principal investigator); Gilham CM & Dwyer CE (co-investigators); Anglophone School District – South; Canadian Mental Health Association; Charlotte County Group Homes Inc.; Horizon Health Network; and The CASM Group (partners). The contribution of pro-social role-modeling and peer mentoring to the development of positive social skills in young females: A longitudinal study of early intervention strategies. Partnership Development Grant, Social Sciences and Humanities Research Council of Canada, 2015-2018 ($236,470).


DR. LAURA-LEE KEARNS, ASSISTANT PROFESSOR


[external examiner] Fleet C. (2016). Becoming a queer teacher: Perceptions of queer teacher candidates in initial teacher education programs (Unpublished MEd thesis; supervised by Dr. Darlene Ciuffetelli Parker). Department of Graduate and Undergraduate Studies in Education, Brock University, St. Catharines, ON.


[project grant] Lunney Borden L. Connecting math to our lives and communities. Atlantic Association for Research in the Mathematical Sciences, 2016-2017 ($5,000).

[project grant] Lunney Borden L. Connecting math to our lives and communities. African Canadian Services Division, Nova Scotia Education and Early Childhood Department, 2016-2017 ($8,776.21).

[project grant] Lunney Borden L. Connecting math to our lives and communities. African Canadian Services Division, Nova Scotia Education and
Early Childhood Department, 2015-2016 ($8,776.21).

[outreach grant] **Lunney Borden L.** Developed and organized *March Break Math Camp in Eskasoni, Membertou and Paqtnkek*. Mi’kmaw Kina’matnewey, 2015-2016 ($50,000).


[community outreach] Organized X-Project 50th Anniversary celebrations, including an alumni gathering at Homecoming, an evening of celebration with Wab Kinew (October 2015), and a youth conference with Wab Kinew for approximately 150 Mi’kmaw and African Nova Scotian Youth (October 2015).

[workshop presentation] Presented a workshop on Mathematics and Indigenous Knowledge at the first annual Math Camp, St. Francis Xavier University, May 2015. [This camp was for students in grades 10 and 11 from local high schools and was organized by Dr. Joe Apaloo and members of the StFX Mathematics Department.]


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**DR. KATARIN MACLEOD, ASSISTANT PROFESSOR**


[research grant/supervisor] Stiles-Clarke L. Student intentions and perceptions survey. Accelerate award, Mitacs, 2016 ($15,000). [Partner organization: Institute for Ocean Research Enterprise.]


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**DR. JENNIFER MITTON-KÜKNER, ASSISTANT PROFESSOR**


[research grant] Murray-Orr A (principal investigator); Mitton-Kükner J (co-investigator). Redressing the achievement gap in literacy with vulnerable populations at a vulnerable age. Inter-University Research Network, Nova Scotia Department of Education and Early Childhood Development, 2016-2018 ($22,763.15)


[editor] Editor (Teacher Education & Development), Cogent Education.

[referee] Manuscript reviewer for Cogent Education.

[referee] Reviewer of proposals for the Canadian Association for Teacher Education Canadian; Language and Literacy Researchers of Canada; & Canadian Society for the Study of Education Annual Conference, Calgary, AB, 2016.


[media release] Student research, UCR Awards will provide invaluable experience, students say. St. Francis Xavier University, Antigonish, NS, 13 April 2016. Retrieved from https://www.stfx.ca/about/news/student-research-ucr-awards-will-provide-invaluable-experience-students-say


DR. ANNE MURRAY-ORR, ASSOCIATE PROFESSOR

[research grant] Murray-Orr A (principal investigator); Mitton-Kükner J (co-investigator). Redressing the achievement gap in literacy with vulnerable populations at a vulnerable age. Inter-University Research Network, Nova Scotia Department of Education and Early Childhood Development, 2016-2018 ($22,763.15)


[media release] Student research, UCR Awards will provide invaluable experience, students say. St. Francis Xavier University, Antigonish, NS, 13 April 2016. Retrieved from https://www.stfx.ca/about/news/student-research-ucr-awards-will-provide-invaluable-experience-students-say
DR. JEFF ORR, PROFESSOR AND DEAN OF EDUCATION


DR. DAN ROBINSON, ASSOCIATE PROFESSOR


[research grant] Robinson D. *Mi’kmaq ways of knowing by, through, and about the body: Coming together to understand culturally relevant physical education*. Insight Development Grant, Social Sciences and Humanities Research Council of Canada, 2015-2017 ($38,602).


DR. DAVID YOUNG, ASSOCIATE PROFESSOR


Paper presented at the annual conference of the Canadian Society for the Study of Education, University of Calgary, Calgary, AB.


[invited presentation] Young DC. (2016, January). *Research ethics: Roles, rights and responsibilities.* Presentation to all students studying in the Human Nutrition program, St. Francis Xavier University, Antigonish, NS.

[ethics chair] Chair, Research Ethics Board, St. Francis Xavier University, Antigonish, NS, 2015-present.


[external reviewer] Reviewed research proposal for Canadian Association for the Study of Educational Administration (Canadian Society for the Study of Education).

**FACULTY OF SCIENCE**

**Biology**

**DR. CORY BISHOP, ASSOCIATE PROFESSOR**


[research grant] Bishop CD. Ecology, evolution and development of a symbiosis between a green alga and some amphibians. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2020 ($130,000).

[research grant] Bishop CD. *Evolution and development of marine invertebrates.* Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2010-2015 ($155,000).


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DR. JOHN BUCKLAND-NICKS, SENIOR RESEARCH PROFESSOR


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DR. EDWIN DEMONT, PROFESSOR


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DR. MOIRA GALWAY, ASSOCIATE PROFESSOR


[research grant] Garbary D. *Salary subsidy for undergraduate summer research assistant*. Canada Summer Jobs Program, Human Resources Services Development Canada, 2015 ($1,000).


**DR. DAVID GARBARY, PROFESSOR**


[supervisor] Feehan D. (2016). *Inhibition of Campylobacter spp. attachment and growth by Lactobacillus plantarum C9* (Unpublished BSc honours thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.


**RANDY LAUFF, PART-TIME FACULTY**


[research grant] Lauff R. *Continued work with small raptors, primarily Boreal and Northern Saw-whet Owls*. Nova Scotia Bird Society Sanctuary Trust, 2016-2018 ($6,990).

[research grant] Lauff R. *Aquatic entomology*. Habitat Conservation Fund, Department of Natural Resources, Province of Nova Scotia ($3,296.12).


**DR. WILLIAM MARSHALL, PROFESSOR**


**DR. RICARDO SCROSATI, PROFESSOR**


[research grant] Molis M (principal investigator); Scrosati RA (co-investigator). Marine predator–prey interactions in Atlantic Canada. Alfred Wegener Institute of Polar and Marine Research (AWI, Germany), 2016 (€3,000).


[supervisor] Sherker Z. (2016). Predator-induced shell plasticity in mussels hinders predation by drilling snails (Unpublished BSc honours thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.


[editor] Associate Editor, Phycologia [journal of the International Phycological Society].


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DR. BARRY TAYLOR, ASSOCIATE PROFESSOR


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DR. RUSSELL WYETH, ASSOCIATE PROFESSOR


[co-supervisor with Dr. Cory Bishop] Murphy K. (2016). Abiotic influences on Ciona populations in Nova Scotia (Unpublished MSc thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.,


[research grant] Wyeth RC. Nudibranch neuroethology. Research Grant, Bamfield Marine Sciences Centre, 2016 ($2,000).


[ethics chair] Chair, Animal Care Committee, St. Francis Xavier University, Antigonish, NS, 2015-2017.


[referee] Manuscript reviewer for *Aquaculture; Brain; Behavior and Evolution; Journal of Visualized Experiments; & Canadian Journal of Zoology.*


[media release] *Eight StFX graduate students awarded Nova Scotia Graduate Scholarships for innovative research.* St. Francis Xavier University, Antigonish, NS, 17 May 2016. Retrieved from [https://www.stfx.ca/about/news/eight-stfx-graduate-students-awarded-nova-scotia-graduate-scholarships-innovative](https://www.stfx.ca/about/news/eight-stfx-graduate-students-awarded-nova-scotia-graduate-scholarships-innovative)


**Chemistry**

**DR. MANUEL AQUINO, PROFESSOR**


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


[supervisor] Piggott, E.K. (2016). *Investigating the photocatalytic capabilities of AuNP@RNbO3* (Unpublished BSc honours thesis). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.


[supervisor] Jalbert, P.M. (2016) *KNbO3 as a photocatalyst for biomass conversion* (Unpublished visiting reactive intermediate student exchange project). Department of Chemistry, St. Francis Xavier University, Antigonish, NS.

[research grant] Hallett-Tapley GL (principal investigator); Genair8 Technologies (co-investigator). *Development of novel solar energy devices* [complete title unavailable due to current confidentiality agreement]. Productivity and Innovation Voucher, Innovacorp, 2016 ($15,000).

[research grant] Hallett-Tapley GL (principal investigator); Genair8 Technologies (co-investigator). *Development of novel solar energy arrays* [complete title unavailable due to current confidentiality agreement]. Industrial Research Assistance Program, National Research Council Canada, 2016 ($5,000).

[research grant] Hallett-Tapley GL. *The development and applications of novel, hybrid niobium pentoxide nanocomposites in photocatalysis.* Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2020 ($100,000).


[conference poster] Piggott EK*, Hope TO* & Hallett-Tapley GL. (2016, March 24). *Au nanoparticle@RNbO3 for the study of photocatalytically-driven nitroarene reductions.* Poster presented at StFX Student Research Day, Antigonish, NS.


[media release] Student research, UCR awards will provide invaluable experience, students say. St. Francis Xavier University, Antigonish, NS, 13 April 2016. Retrieved from https://www.stfx.ca/about/news/student-research-ucr-awards-will-provide-invaluable-experience-students-say
DR. BRIAN LYNCH, SENIOR RESEARCH PROFESSOR


DR. TRUIS SMITH-PALMER, PROFESSOR


Earth Sciences

DR. ALAN ANDERSON, PROFESSOR


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


[research chair] Beltrami H. Canada Research Chair (Tier I) in Climate Dynamics. Natural Sciences and Engineering Research Council of Canada, 2015-2022 ($1,400,000).


[research grant] Beltrami H. Borehole climatology: contributions to the understanding of climate change. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2011-2016 ($205,000).


[network member] Member, 2k Network, PAGES (Past Global Changes), Bern, Switzerland.

[media release] First StFX students enroll in PhD agreement program at Memorial University. St. Francis Xavier University, Antigonish, NS, 12 September 2016. Retrieved from https://www.stfx.ca/about/news/first-StFX-students-enroll-PhD-agreement-program-MUN

[media release] **Modeling links between air and ground in climate over the last millennium.** Canada Research Chair in Climate Dynamics News, St. Francis Xavier University, Antigonish, NS, 20 April 2016. Retrieved from [http://climate.stfx.ca/Canada_Research_Chair_in_Climate_Dynamics_News/April_20,_2016_2.html](http://climate.stfx.ca/Canada_Research_Chair_in_Climate_Dynamics_News/April_20,_2016_2.html)


[media release] **Four CREATE StFX graduate students receive Nova Scotia Graduate Scholarships.** NSERC Training Program in Climate Science, St. Francis Xavier University, Antigonish, NS, 2 March 2016. Retrieved from [https://createstfx.wordpress.com/2016/03/02/four-create-stfx-graduate-students-receive-nova-scotia-graduate-scholarships/](https://createstfx.wordpress.com/2016/03/02/four-create-stfx-graduate-students-receive-nova-scotia-graduate-scholarships/)


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**DR. JAMES BRAID, PART-TIME FACULTY**


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**DR. LISA KELLMAN, PROFESSOR AND CANADA RESEARCH CHAIR (TIER II) IN ENVIRONMENTAL SCIENCES**


[research chair] Kellman L. *Canada Research Chair (Tier II) in Environmental Sciences*. Natural Sciences and Engineering Research Council of Canada, 2010-2016 ($500,000).
[research grant] **Kellman L.** *Regulation of reactive nitrogen transport and transformation in contaminated environments.* Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2020 ($110,000).

[research grant] Ziegler S (principal investigator); **Kellman L**, del Giorgio P, Morrill P & Young C (co-applicants). *Preparatory tools for investigating trace environmental signatures.* Research Tools & Instruments Grant (Category 1), Natural Sciences and Engineering Research Council of Canada, 2015 ($150,000).


[technical services agreement] Risk D & **Kellman L.** *Surface measurement, monitoring, and verification research at the Aquistore Carbon Capture and Storage Site, Saskatchewan.* Petroleum Technology Research Centre, 2014-2017 ($151,000).

[award] University Research Award, St. Francis Xavier University, Antigonish, NS, 2016.


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**DR. MICHAEL MELCHIN, PROFESSOR**


Kirincich K. (2016). Facies analysis of the upper Albion Member, Stellarton Formation, Stellarton, Nova Scotia. (Unpublished MSc thesis). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS.


Melchin MJ. (2016, April). Quantifying resolution in the stratigraphic record and testing global stratotypes. President’s International Fellow Lecture, Nanjing, China.


International Subcommission on Silurian Stratigraphy (a constituent body of the International Union of Geological Sciences).

International Geosciences Programme IGCP Project 591 – The Early to Middle Paleozoic Revolution.

Canadian Stratigraphic Commission.

Palaeontographica Canadiana [a refereed paleontological monograph series].

Visiting Professor, Department of Earth Sciences, University of Leicester, Leicester, UK.

Visiting Scientist, Geological Institute, Czech Academy of Sciences, Prague, Czech Republic.

Guest Associate Editor, Canadian Journal of Earth Sciences.

Manuscript reviewer for the Canadian Journal of Earth Sciences; Palaeogeography; Palaeoclimatology; Palaeoecology; Palaeoworld; Bulletin of Geosciences; Estonian Journal of Earth Sciences; & Bollettino della Società Paleontologica Italiana.
[external reviewer] Discovery Grant Program, Natural Sciences and Engingeering Research Council of Canada.

[honour] President's International Fellowship, Chinese Academy of Sciences [held at Nanjing Institute of the Geology and Palaontology, Chinese Academy of Sciences, Nanjing, China].


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**DR. BRENDAN MURPHY, PROFESSOR**


[supervisor] Bassoo R. (2016). The structural and geochemical characteristics of the 9 Mile Deposit and its regional significance to the Guiana Shield (Unpublished MSc thesis). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS.


[co-supervisor Dr. Michael Melchin] MacLeod D. (2015). Facies changes throughout portions of the Albion Member, Stellarton Formation, Cumberland Group Strata. (Unpublished BSc honours thesis). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS.

[research grant] Murphy JB. Crust-mantle coupling during the assembly and amalgamation of Pangea. Discovery Grant, Natural Sciences and

[research grant] Murphy JB. *Contrasting styles of orogenesis and the amalgamation of Pangea*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2014-2015 ($37,000).

[research grant] Murphy JB. *Editors Grant (Geology)*, The Geological Society of America, 2012-2016 ($36,000).

[research grant] Murphy JB. *Editors Grant (Geoscience Canada)*, Geological Association of Canada, 2011-2015 ($10,000).


[industry report] Risk D. *Fugitive and vented emission surveying at Apache's Midale EOR Field*. Prepared for Apache Corporation, November 2016. (23 pages)


[industry report] Risk D. *An analysis of atmospheric gas concentrations in relation to industrial facilities associated with Shell Quest carbon capture and storage project*. Prepared for Shell and submitted June 2016. (22 pages)


[internal report] **Risk D.** *An analysis of atmospheric gas concentrations and the implications of abandoned oil and gas infrastructure at the Stoney Creek oilfield, New Brunswick*. Prepared for FluxLab and submitted June 2016. (19 pages)


[research grant] **Risk D.** *Vehicle based fugitive emission detection and attribution within Alberta energy developments*. Petroleum Technology Alliance Canada, 2016-2017 ($85,000).


[research grant] **Risk D.** *Vehicle based measurement of fugitive and vented emissions on Apache's Midale enhanced oil recovery field*. Engage Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2016 ($25,000).


[research grant] **Risk D.** *Fugitive gas detection*. Springboard Atlantic, 2015-2016 ($5,000).

[research grant] **Risk D.** *Addressing the problem of methane release from unconventional energy sites*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2014-2019 ($185,000).


[research grant] **Risk D.** *Engaging UK oil and gas industry, UK government regulators and academics in field demonstrations of gas detection equipment for shale gas, EOR, o shore O&G infrastructure applications in the UK*. Innovation Mobilization Fund, Springboard Atlantic, 2014-2015 ($10,000).
[research grant] **Risk D.** Surface containment monitoring for carbon capture and storage. Natural Resources Canada, ecoENERGY Innovation Initiative, 2012-2015 ($756,000).

[research grant] Beltrami H (principal investigator); Ferguson G, Kellman L, O’Driscoll N, **Risk D,** Sushama L, Tarasov L & Ziegler S (co-applicants). NSERC CREATE Program in Training strategies to meet the challenges imposed by a changing climate: Preparing for societal impacts and adaptation. Collaborative Research and Training Experience Grant, Natural Sciences and Engineering Research Council of Canada, 2010-2016 ($1,400,000).


[research contract] Woods N (principal investigator), **Risk D** (co-applicant) et al. Winter respiration in the Arctic: Constraining current and future estimates of CO2 emissions during the non-growing season. NASA Arctic Boreal Vulnerability Experiment (ABoVE), 2015-2019 ($100,000 [Risk portion]).

[research contribution agreement] **Risk D.** Atmospheric leak detection as a tool for bitumen steam chamber and well integrity risk analysis. ecoENERGY Innovation Initiative, Natural Resources Canada, 2015-2016 ($451,024).

[technical services agreement] **Risk D.** Leak survey mapping, VGS natural gas lines in St.Albans, VT. Vermont Gas, 2016 ($12,500).

[technical services agreement] **Risk D.** Advancing permafrost carbon climate feedback - improvements and evaluations of the Norwegian Earth System Model with observations. Uni Reseach Klima, 2015-2018 ($75,000).


[technical services agreement] **Risk D.** Bakken fugitive and vented emissions study. Environment Canada, 2015-2016 ($15,000).


[technical services agreement] **Risk D** & Kellman L. Surface measurement, monitoring, and verification research at the Aquistore Carbon Capture and Storage Site, Saskatchewan. Petroleum Technology Research Centre, 2014-2017 ($151,000).


[media report] *Gas detection campaigns launching*. CBC Radio (Main Street), CTV Television (Breakfast Television with Heidi Petracek), September 2015.


Engineering

DR. FRANK COMEAU, ASSISTANT PROFESSOR

[research grant] Comeau F. Early development of wireless fitness device. Industrial Research Assistance Program for Small and Medium Enterprise, National Research Council of Canada, 2015-2016 ($5,000)

[research contract] Comeau F. Contract with SHM Canada Consulting Ltd. for development and implementation project for digital sensor interface (DSI) module designed specifically for structural health monitoring applications. Productivity and Innovation Voucher Program, Innovacorp, 2015-2016 ($5,000).


DR. SHAH RAZUL, PART-TIME FACULTY


Human Kinetics

DR. AMANDA CASEY, ASSOCIATE PROFESSOR

[online resource] This is How I Walk Campaign (collaboration with Adapted Sport Society and National Collaborating Centre for Determinants of Health), Antigonish, NS, 2015-present. Retrieved from https://vimeo.com/161953153

[community grant] Casey AF. Motor activities with X. Goodlife Kids Foundation Grant, 2016 ($8,865).


Organizer Community accessibility events, Keppoch Fun Day (Fall & Winter), Superhero Saturday, THRIVE sledge hockey demonstration, 2015-2016.

Organizer Occupational Therapy information session coordinator for Human Kinetics students in collaboration with Dalhousie University’s School of Occupational Therapy, 2015.

Referee Manuscript reviewer for European Journal of Clinical Nutrition (Nature); Disability and Rehabilitation; American Journal of Intellectual and Developmental Disabilities; Games for Health Research; Journal of Intellectual Disability Research; Research in Developmental Disabilities; Adapted Physical Activity Quarterly; International Journal of Community Rehabilitation, & Disability Studies


PEGGY GALLANT, PROFESSOR

StFX professor plays leading role in creating new provincial organization to advance the participation of women in sport. St. Francis Xavier University, Antigonish, NS, 11 February 2016. Retrieved from https://www.stfx.ca/about/news/stfx-professor-plays-leading-role-creating-new-provincial-organization-advance

DR. DAN KANE, ASSISTANT PROFESSOR


George MAJ*, Brebner K & Kane DA. (2016, April 5). Ten days of free wheel running alters cortical glutamate-linked mitochondrial respiration in rat brain. Poster presented by MAJG at the annual Experimental Biology meeting in San Diego, CA. Abstract published in The FASEB Journal, 30 (1 Supplement), 1240.29. Retrieved from http://www.fasebj.org/content/30/1_Supplement/1240.29

[co-supervisor with Dr. Jennifer Jamieson] Aucoin EJ. (2016). Does vitamin B6 supplementation enhance the effects of exercise on glucose metabolism in non-athlete university students? (Unpublished BSc honours thesis). Department of Human Kinetics, St. Francis Xavier University, Antigonish, NS. [Recipient of 2016 Gordon Sleivard Award for top undergraduate presentation, 13th Atlantic Provinces Exercise Scientists and Socioculturalists Conference (APES+); Silver medal, StFX Student Research Day.]


[research grant] Kane DA. Energy sensing in skeletal muscle: focus on mitochondrial metabolic adaptation. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2020 ($120,000).


[conference poster] George MAJ*, Brebner K & Kane DA. (2016, February 9). Ten days of free wheel running alters cortical glutamate-linked mitochondrial respiration in rat brain. Poster presented by DAK at the CIHR Institute of Nutrition, Metabolism and Diabetes (INMD) New Investigator Meeting, Kelowna, BC.


**DR. ANGIE KOLEN, ASSOCIATE PROFESSOR**


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**DR. MELANIE LAM, ASSISTANT PROFESSOR**


dent task context: A behavioural and EEG study. Poster presented at the Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS) conference, Edmonton, AB.


[adjudicator] One of three invited adjudicators for the Franklin Henry Young Scientist Award (Psychomotor Behaviour stream, 2016 Canadian Society for Psychomotor Learning and Sport Psychology conference).


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**DR. DEBORAH VOSSEN, ASSOCIATE PROFESSOR**


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**DR. KEVIN WAMSLEY, PROFESSOR AND ACADEMIC VICE-PRESIDENT & PROVOST**


[president elect & chair] President Elect and Conference Program Chair, North American Society for Sport History.

[board member] Member, Editorial Review Board, *Sport History Review*.

[referee] Manuscript reviewer for *Journal of Sport History; & International Journal of History of Sport*.

[media interviews] Media interviews with Rio Olympics; CBC Television; CTV National News; CBC Radio National; *Washington Examiner*; CBC Radio Saskatchewan; Five Thirty-Eight.com; CTV News Channel; & AM 980.


[research group invitation] Invited as researcher to attend the Canadian Centre for Ethics in Sport (CCES), in partnership with the World Anti-Doping Agency (WADA) and anti-doping industry, to a values-based education conference in Ottawa, Canada, aimed at improving global anti-doping education initiatives, 2-4 October 2015. This conference resulted in the creation of a research network: The Canadian Sport Ethics Research Network (CSERN) – Réseau Canadien de Recherche en Ethique dans le Sport.


Human Nutrition

DR. MARCIA ENGLISH, ASSISTANT PROFESSOR


DR. DORIS GILLIS, ASSOCIATE PROFESSOR


[co-supervisor with Professor Christine Johnson & Professor Dianne Oikle] Ngunangwa S. (2016). Barriers and enablers to addressing health equity among public health practitioners in North Eastern Nova Scotia (Unpublished BSc honours thesis). Department of Human Nutrition, St. Francis Xavier University, Antigonish, NS.


Health Research Foundation, 2015-2016. [Travel support to Halifax for workshops but no direct project funding allocated to team.]


[honour] Induction to the Nova Scotia Health Research Foundation Decade Club, 1 March 2016.

[referee] Manuscript reviewer for Health Promotion International; Canadian Public Health Journal; Canadian Journal of Dietetic Practice and Research; & Practice-based Evidence in Nutrition (PEN).


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DR. LAURA GOUGEON, ASSISTANT PROFESSOR


DR. JEN JAMIESON, ASSISTANT PROFESSOR


[co-supervisor with Dr. Dan Kane] Aucoin EJ. (2016). Does vitamin B6 supplementation enhance the effects of exercise on glucose metabolism in non-athlete university students? (Unpublished BSc honours thesis). Department of Human Kinetics, St. Francis Xavier University, Antigonish, NS. [Recipient of 2016 Gordon Sleivard Award for top undergraduate presentation, 13th Atlantic Provinces Exercise Scientists and Socioculturalists Conference (APES+); Silver medal, StFX Student Research Day.]


[committee member with Dr. Shannon Grant/external examiner] Stirling H. (2016). The effect of gluten and gluten-free grains on food intake and satiety in adults: The case of buckwheat and couscous (Unpublished MScAHN thesis; supervised by Dr. Bhodan Luhhovy). Department of Applied Human Nutrition, Mount Saint Vincent University, Bedford, NS.


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**DR. LAURIE WADSWORTH, ASSOCIATE PROFESSOR**


[supervisor] MacLean J. (2016). An exploration of the roles food plays in the lives of students studying nutrition and dietetics outside Atlantic Canada (Unpublished BA honours thesis). Department of Anthropology, St. Francis Xavier University, Antigonish, NS.

[supervisor] Ravindran A. (2016). Food as a metaphor for broader social discourses in the movie Cloudy with a Chance of Meatballs (Unpublished BA honours thesis). Department of Anthropology, St. Francis Xavier University, Antigonish, NS.


[radio interview] Food advertising and obesity, CBC Information Morning (Radio), 2 March 2016.

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**Mathematics, Statistics and Computer Science**

**DR. STEPHEN FINBOW, ASSOCIATE PROFESSOR**


**DR. IKER GONDRA, ASSOCIATE PROFESSOR**

[media release] *Eight StFX graduate students awarded Nova Scotia Graduate Scholarships for innovative research.* St. Francis Xavier University, Antigonish, NS, 17 May 2016. Retrieved from [https://www.stfx.ca/about/news/eight-stfx-graduate-students-awarded-nova-scotia-graduate-scholarships-innovative](https://www.stfx.ca/about/news/eight-stfx-graduate-students-awarded-nova-scotia-graduate-scholarships-innovative)

**DR. MAN LIN, PROFESSOR**

[research grant] **Lin M.** System level low power scheduling algorithm design for heterogeneous embedded systems. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2010-2015 ($75,000).

**DR. RYAN LUKEMAN, ASSOCIATE PROFESSOR**


[research grant] **Lukeman R.** Collective biological motion: Connecting empirical and theoretical approaches. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2011-2016 ($80,000).

**DR. WENDY MACCAULL, PROFESSOR**


**DR. TARA TAYLOR, ASSOCIATE PROFESSOR**

[research grant] Islam S (principal investigator); Mendivil F & **Taylor T** (co-applicants). *Iterated function systems (IFS), fractals, invariant measures and applications.* Collaborative Research Group Grant, Atlantic Association for Research in the Mathematical Sciences, 2015-2017 ($40,000).


[referee] Manuscript reviewer through the American Mathematical Society for Fractals [journal] and for Fractals, Wavelets and their Applications [conference proceedings].


DR. MARTIN VAN BOMMELL, PROFESSOR


DR. ROBERT VAN DEN HOOGEN, PROFESSOR


DR. XU (SUNNY) WANG, ASSOCIATE PROFESSOR


DR. LAURENCE YANG, ASSOCIATE PROFESSOR

DR. PING ZHOU, PROFESSOR


Nursing

DR. PATTI HANSEN-KETCHUM, ASSOCIATE PROFESSOR


DR. CATHY MACDONALD, ASSOCIATE PROFESSOR


[rsearch grant] Ulanova M (principal investigator); Bettinger J; Halperin S; MacDonald C; MacDougall D; McNeil S; Tsang R, Cox A, Burnett K, Sanders C, Moghadse S & Sadarangani M (co-investigators). (2016). 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, 2016-2017 ($155,040).


[referee] Manuscript reviewer for *Journal of Healthcare for the Poor and Underserved*; *Annuals for Nursing and Practice*; *Canadian Journal of Nursing Research*; *Nursing and Health Journal*.

**DR. DONNA MACDOUGALL, ASSOCIATE PROFESSOR**


Ghandoura H. (2016). Knowledge, attitudes, and beliefs of medical and nursing students in Nova Scotia towards mandatory influenza vaccination [research component]. Pediatric Residency Program, Dalhousie University, Halifax, NS.

Ulanova M (principal investigator); Bettinger J; Halperin S; MacDonald C; MacDougall D; McNeil S; Tsang R, Cox A, Burnett K, Sanders C, Moghades S & Sadarangani M (co-investigators). (2016). 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, 2016-2017 ($155,040).

Isenor J (principal investigator), MacDougall D (co-investigator) et al. Pharmacists as immunizers to improve coverage and provider/recipient satisfaction: A prospective, controlled, community-embedded study with vaccines with low coverage rates (the Improve ACCESS study). Canadian Institutes of Health Research / Canadian Immunization Research Network / GlaxoSmithKline / Sanofi Pasteur, 2015-2018 ($670,000).

Langley J (co-principal investigator) & MacDougall D (co-principal investigator). Canadian National Vaccine Safety (CANVAS) Network surveillance of adverse events following immunization with meningococcal serogroup B vaccine: Knowledge, attitudes, and behaviors related to the vaccine. Canadian Institutes of Health Research / Canadian Immunization Research Network, 2015-2016 ($25,000).

Dubé E (principal investigator), MacDougall D (co-investigator) et al. Vaccinating pregnant women: Why are maternity care providers hesitant? Canadian Institutes of Health Research / Canadian Immunization Research Network, 2015-2016 ($35,000).


[committee member] Invited Member, Provincial Influenza Planning Committee, Province of Nova Scotia.

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

**DR. ELIZABETH MCGIBBON, PROFESSOR**


[research grant] Schultz AS (principal investigator); Throndson KL; Cook CL; Fransoo RR; Hussain F; Katz A; McGibbon E, Nguyen T & Sawatzky J-A (co-investigators). Diversifying our ways of understanding heart health among First Nations people in Manitoba: A mixed methods study governed by a two-eyed seeing approach. Operating Grant, Canadian Institutes for Health Research, 2015-2018 ($709,987).


[invited presentation] McGibbon E. (2015, October). Oppression and the political economy of health: Ethical imperatives for social justice action. Faculty of Medicine, University of Manitoba, Winnipeg, MB.


[editor] Co-Editor, Women's Health and Urban Life: An International Journal. [Along with Dr. Toba Bryant, re-launched this international journal, including a broader scope of inclusivity and diversity in content foci.]

[external reviewer] CIHR Canada Research Chairs (Tier II), 2016.


**Dr. Charmaine McPherson, Associate Professor**


**Physics**

**Dr. Karine Le Bris, Assistant Professor**


[research grant] Le Bris K. *High-resolution laser spectroscopy of molecular constituents*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2010-2018 ($145,000).


[referee] Manuscript reviewer for *Journal of Quantitative Spectroscopy and Radiative Transfer; & Atmospheric Measurement Techniques*


DR. KARL-PETER MARZLIN, ASSOCIATE PROFESSOR


[co-supervisor with Dr. Frank Wilhelm-Mauch] Schramm D. (2016). *Purcell-Filter als offene Quantensysteme* [Purcell filters as open quantum systems] (Unpublished Master's thesis). Department of Physics, University of Saarland, Saarbrücken, Germany.


[invited expert] Invited as expert on General Relativity (GR) for a public symposium on the occasion that GR turned 100 in 2015, Mount Allison University, Sackville, NB, 3 December 2015.


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DR. DAVID PINK, SENIOR RESEARCH PROFESSOR


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**DR. PETER POOLE, PROFESSOR**

[research grant] Poole PH. *Nucleation, glass formation, and phase behavior in supercooled liquids*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2011-2016 ($285,000).


[supervisor] James D. (2016). *Nucleation in the metamagnet* (Unpublished BSc advanced major project). Department of Physics, St. Francis Xavier University, Antigonish, NS.


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**DR. MICHAEL STEINITZ, PROFESSOR**


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**DR. BRANDON VAN ZYL, ASSOCIATE PROFESSOR**


OTHER ACADEMIC PROGRAMS

**Development Studies**

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


[research chair] **Langdon J.** *Canada Research Chair (Tier II) in Sustainability and Social Change Leadership*. Social Sciences and Humanities Research Council of Canada, 2015-2020 ($500,000).

[research grant] **Langdon J.** *Trans-local sustainability & social change learning & collaboration network*. John R. Evans Leaders Fund, Canada Foundation for Innovation, 2016-2017 ($74,999).


[media release] StFX faculty have incredibly successful year in receiving SSHRC research grants. St. Francis Xavier University, Antigonish, NS, 29 September 2015. Retrieved from https://www.stfx.ca/about/news/stfx-faculty-have-incredibly-successful-year-receiving-sshrc-research-grants

Women's and Gender Studies

DR. RACHEL HURST, ASSOCIATE PROFESSOR


[presentation] Hurst RAJ. (2016, February 8). Creating intergenerational dialogues about Women's Studies across time and space. Research presentation to the Hive for Feminist Research, St. Francis Xavier University, Antigonish, NS.

[board member] Member-at-Large (Membership Coordinator), Executive Committee, Women's and Gender Studies et Recherches Féministes.

[organizer] Founder and Member, Hive for Feminist Research, St. Francis Xavier University, Antigonish, NS, 2013-present.

[award] Muriel Gold Senior Visiting Professorship, Institute for Gender, Sexuality, and Feminist Studies, McGill University, 2016-2017 ($5,000)

[fellowship] Visiting Research Fellowship, Humanities Research Centre, Australian National University, 2016-2017 (~$12,000 AUD)


[external reviewer] Insight Grant Program, Social Sciences and Humanities Research Council, 2016.


DR. LISA PASOLLI, ASSISTANT PROFESSOR


Coady International Institute

EILEEN ALMA, ASSOCIATE DIRECTOR, INTERNATIONAL CENTRE FOR WOMEN’S LEADERSHIP


COLLEEN CAMERON, SENIOR PROGRAM STAFF


DR. MOLLY DEN HEYER, MANAGER, MONITORING, EVALUATION AND LEARNING

Rethinking Canadian aid. Paper presented at the Canadian Association of International Development Studies Annual Conference, Calgary, AB.

Learning from stories of change. Paper presented at the Canadian Association of International Development Studies Annual Conference, Calgary, AB.

YOGESH GHORE, SENIOR PROGRAM STAFF


CATHERINE IRVING, LIBRARY COORDINATOR


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


[committee member] Member, Program Committee, 6th Global Forum on Health Promotion [marking the 30th anniversary of the Ottawa Charter and highlighting the contributions of civil society and health promotion initiatives to sustainable development], Charlottetown, PE, 16-17 October 2016.

[chair] Antigonish County Adult Learners Association.


JULIEN LANDRY, PROGRAM TEACHING STAFF


[research grant] Warren ME (principal investigator) et al. Participedia: A Global Partnership to Create and Mobilize Knowledge about Democratic Innovations. Partnership Grant, Social Sciences and Humanities Research Council of Canada, 2015-2020 ($37,500 [Coady portion]). Coady signed onto the Participedia project as a Partner Organization (J Webber as Co-Applicant, J Landry as Collaborator).

BRIANNE PETERS, PROGRAM ASSOCIATE


PALAGUMMI SAINATH, 2015 COADY CHAIR IN SOCIAL JUSTICE


ALAN SYLIBOY, 2016 COADY CHAIR IN SOCIAL JUSTICE


Continuing and Distance Education

DR. CATHERINE (KATIE) AUBRECHT, ASSISTANT PROFESSOR


[research grant] Aubrecht C. 2016 summer program on aging: Late life issues: Recognizing frailty and improving care. Travel Award, Canadian Institutes of Health Research, 2016 ($1,230 = CIHR $730; Confirmed Sponsor Funds $500).


[invited keynote speaker] Aubrecht K. (2016, January 27). Disability studies, mad activism and higher education. Paper presented to the Sociology Student's Society, Mount Allison University, Sackville, NB.


[guest lecture] Aubrecht K. (2016, January 28). Bioethics: Problematizing consent in dementia research, Biomedical Ethics (PHIL 3711), Dr. Jane Dryden, Department of Philosophy, Mount Alison University, Sackville, NB.


[organizer] Member, 2016 Planning Committee Member – Research Symposium, Research in Ageing, Northwood Research Symposium, Dartmouth, NS, 13 May 2016.

[organizer] 2016 Public Lecture, Disability and Mothering, delivered via Skype by Dr. Patricia Douglas, SSHRC Postdoctoral Fellow, University of Guelph, at Mount Saint Vincent University, Bedford, NS, 20 January 2016.


[co-organizer with Keefe J & Fancy P] Cross-Provincial Home Care Supports and Services Team Building and Grant Development Workshop, Mount Saint Vincent University, Bedford, NS, 4 December 2015.

[organizer] Trainee Network Organizer and Co-Chair, Seniors – Adding Life to Years (SALTY) National Trainee Network for a National Project Examining Late Life/End of Life in Residential Long Term Care in Canada (4 Postdoctoral Fellows, 3 PhD students, 5 MA students from NS, ON, AB, BC).


[board member] Member, Executive Board/Board of Directors, Canadian Centre on Disability Studies, Winnipeg, MB, 2015-2018.

[research trainee] Ploeg J & Matthew-Maich N (principal investigators); Keeffe J et al. (co-investigators). Managing multiple chronic conditions: A qualitative study of the perceptions of older adults, family caregivers and healthcare providers. CIHR Signature Based Initiative in Community Based Primary Healthcare, Aging, Community and Health Research Unit (ACHRU), McMaster University, Hamilton, ON, 2014-present.


National Collaborating Centre for Determinants of Health

CONNIE CLEMENT, SCIENTIFIC DIRECTOR


[symposium] (2016, June 1). *How can we contain health costs and improve health equity?* Symposium at Public Health 2016, Canadian Public Health Association, Toronto, ON.


[conference paper] (2016, May-June). *Swimming against the tide: A Canadian qualitative study examining the implementation of a province-wide PH initiative to address health equity.* Paper presented at Blueprint for Action: Making Connections, 11th National Community Health Nurses of Canada Conference, St. John's, NL.


[presentation] (2016, March 24). *NCCDH update – Translating knowledge into Canadian public health action to advance fair opportunities for health.* Student Research Day, St. Francis Xavier University, Antigonish, NS.


[workshop] (2016, December 12). Metaphor as a “teaching tool” for health equity, Public Health Association of British Columbia, Richmond, BC.


[workshop] (2016, September 26). Health equity & environmental public health practice: Key terms and concepts (with National Collaborating Centre for Environmental Health), Canadian Institute of Public Health Inspectors National Conference, Edmonton, AB.


[forum] (2016, February 11-12). North West Health Equity Forum, Prince George, BC; Whitehorse, YT; Prince Albert, AB; & Grande Prairie, SK.


Established at St. Francis Xavier University in 2006 by the Public Health Agency of Canada, the National Collaborating Centre for Determinants of Health (http://nccdh.ca) undertakes extensive activities each year to translate and disseminate knowledge about determinants of health to various sectors of society. These activities include publications, an online resource library, videos, blogs, moderated online conversations, workshops, presentations, webinars, e-news, and twitter messages. As knowledge translators and disseminators, NCCDH is not act as a formal partner-applicant for research grant proposals; however, the NCCDH provides letters of support for research grant applications, offering to be ad hoc consultants and to support end-of-grant dissemination to researchers at Canadian universities.

**ACADEMIC ADMINISTRATIVE UNITS**

**Angus L. Macdonald Library**

**SUZANNE VAN DEN HOOGEN, PUBLIC SERVICES AND EDUCATION LIAISON LIBRARIAN**


**Research Services Group**

**JOHN BLACKWELL, DIRECTOR, RESEARCH GRANTS OFFICE**


[committee member] Alumni Focus Group, Review of MLIS Program, School of Information Management, Faculty of Management, Dalhousie University, Halifax, NS, 2016.
ANDREW KENDALL, MANAGER, INDUSTRY LIAISON OFFICE


Note: * = undergraduate student; ** = graduate student.
STFX RESEARCH STATISTICS

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

Total externally sponsored research at StFX relative to eight “comparator” Canadian Universities (2012-2015). 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)

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.)

Source: CAUBO (note: does not include other sources of federal research funding)
D) Key Sources of External Research Funding at StFX (2015-16)

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>$ (000s)</th>
<th>% OF TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSERC</td>
<td>1,761</td>
<td>21.13</td>
</tr>
<tr>
<td>SSHRC</td>
<td>212</td>
<td>2.54</td>
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<td>INTERNATIONAL</td>
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<td>0.00</td>
</tr>
<tr>
<td>OTHER FEDERAL</td>
<td>2,175</td>
<td>26.10</td>
</tr>
<tr>
<td>BUSINESS</td>
<td>550</td>
<td>6.60</td>
</tr>
<tr>
<td>NGOs</td>
<td>1,879</td>
<td>22.55</td>
</tr>
<tr>
<td>MISC.</td>
<td>210</td>
<td>2.52</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>8,334</strong></td>
<td><strong>100.00</strong></td>
</tr>
</tbody>
</table>

 SOURCES OF “OTHER” SPONSORED FEDERAL RESEARCH FUNDING (000s)  

<table>
<thead>
<tr>
<th>SOURCE</th>
<th>(000s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Indirect Costs of Research</td>
<td>735</td>
</tr>
<tr>
<td>B. Departments and agencies</td>
<td></td>
</tr>
<tr>
<td>DFATD</td>
<td>92</td>
</tr>
<tr>
<td>PHAC (National Collaborating Centre)</td>
<td>1,019</td>
</tr>
<tr>
<td>AIF (ACOA)</td>
<td>177</td>
</tr>
<tr>
<td>NRCAN</td>
<td>103</td>
</tr>
<tr>
<td>ACOA (non-AIF)</td>
<td>18</td>
</tr>
<tr>
<td>Other</td>
<td>31</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,175</strong></td>
</tr>
</tbody>
</table>
E) **Research Universities of the Year (RUY) rankings:** Research InfoSource ([http://www.researchinfosource.com/](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>YEAR</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>STFX RANK*</td>
<td>47</td>
<td>49</td>
<td>46</td>
<td>45</td>
<td>47</td>
<td>47</td>
</tr>
</tbody>
</table>

* Rank for Externally Sponsored Research Income

**Research Universities of the Year (RUY): StFX Rankings for 2013, 2014, 2015**

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

Source: Research InfoSource
ACKNOWLEDGEMENTS

We would like to thank all faculty and staff who contributed their information to the 2015-2016 Research and Scholarship Report. Our special thanks to John Blackwell, Director of the Research Grants Office at StFX, for his painstaking work in compiling and editing the content of the Report. We would also like to thank the StFX Communications and Marketing team, particularly Kyler Bell, Andrew Conde and Blaise MacMullin, 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