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.

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.

ABOUT THE UNIVERSITY

STFX STATISTICS FOR 2014-2015

<table>
<thead>
<tr>
<th>UNDERGRADUATE STUDENTS</th>
<th>4,729</th>
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<tr>
<td><strong>FULL-TIME</strong></td>
<td>3,923</td>
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<th>FACULTY &amp; ACADEMIC STAFF</th>
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<tr>
<td><strong>FULL-TIME FACULTY</strong></td>
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<tr>
<td><strong>PART-TIME FACULTY</strong></td>
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<td><strong>ACADEMIC STAFF</strong></td>
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<th>NON-ACADEMIC STAFF</th>
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<td><strong>FULL-TIME</strong></td>
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MESSAGE FROM THE ACADEMIC VICE-PRESIDENT AND PROVOST AND THE ASSOCIATE VICE-PRESIDENT, RESEARCH AND GRADUATE STUDIES

We are delighted to launch the inaugural StFX Scholarship Report which provides a broad summary of the research and scholarship achievements of faculty and staff at St. Francis Xavier University. Research is one of the cornerstones of our academic efforts. It informs and supports our teaching, provides experiential opportunities for our students, contributes new knowledge in a wide range of disciplines, and responds to the needs of our community and industry partners. This Report is not simply a catalogue record of the annual scholarship activities undertaken by faculty and staff at StFX. It is a vivid descriptor of our responsibilities, as scholars, to perform nationally and internationally recognized work in our areas of expertise. It is a glimpse into the breadth of our research efforts, the external funding resources secured to support these efforts, and the outcomes and impacts they are having locally and globally.

Dr. Kevin Wamsley
Academic Vice-President & Provost

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

December 2016
MESSAGE FROM THE DIRECTOR, RESEARCH GRANTS OFFICE

This inaugural annual Scholarship Report for St. Francis Xavier University encompasses a wide range of scholarly activities in many disciplines. There were two 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 2014 and 31 August 2015.

The net was cast widely and participation was voluntary. All submissions were edited into a consistent format and classified by type of contribution or activity. The 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.

John D. Blackwell
Director, Research Grants Office
Financial literacy, the ability to discern financial choices, discuss money and financial issues, plan for the future, and respond to life events, is a pervasive challenge in society. Policy makers have identified the need for a Canadian financial literacy strategy. Recent programs have been developed to improve the financial literacy of high school-aged youth, the economically disadvantaged, investors, new parents, and retirees. This research outreach project has extended a community-based, financial literacy program begun by StFX business faculty in 2004 for First Nations youth, a growing segment of the population who face significant financial decisions, which have long-term consequences. Led by Business professor Dr. Mary Oxner with support from the Social Sciences and Humanities Research Council of Canada (SSHRC), this research project will assist financial decisions of youth in the Paq’Inkek First Nation community in a manner sensitive to community circumstances and needs. Co-investigators include Business professors Drs. Tom Mahaffey and Ken MacAulay, and Dr. Joanne Tompkins from StFX’s Faculty of Education. Dr. Oxner and her team are developing and delivering a series of financial literacy workshops for youth; disseminating the curriculum and workshops through traditional print media and online and interactive content; and disseminating the findings of curriculum evaluations to the appropriate community partners as part of a larger discussion of broad-based strategies to improve the financial literacy of First Nations youth.
ADDRESSING MISCONCEPTIONS IN ART HISTORY

StFX Art History professor Dr. Sharon Gregory’s book, *Vasari and the Renaissance Print*, was a finalist and received a special commendation for its outstanding scholarship as part of the biennial book award of the Society for Renaissance Studies (SRS). Dr. Gregory’s book was one of only three books considered for the SRS book prize and received a special commendation. The SRS is an organization of academics that work on aspects of the Renaissance in all humanities disciplines. Professor Gregory’s book was singled out by all three judges because of its comprehensive nature and painstaking research in making available for a wide readership all the prints associated with Giorgio Vasari (1511-1574), and for providing a fascinating commentary that explains why they were so central to his thinking and artistic practices. In *Vasari and the Renaissance Print*, Dr. Gregory challenged the long-held view that the first art historian, Renaissance artist Giorgio Vasari, author of the *Lives of the Artists* (1550 and 1568), downplayed the importance of the then-new graphic print media of engravings and woodcuts. In her study, Dr. Gregory shows that, contrary to common opinion, prints thoroughly pervade Vasari’s history of art, just as they pervade his own career as an artist.
Economists and policy makers may be able to predict recessions sooner by analyzing Google Trends according to the research underway by StFX Economics professor Dr. Greg Tkacz. In a pioneering effort to make use of Google data for economic prediction purposes, and the first anywhere to look specifically at the issue of recessions, this research has received significant media interest. Dr. Tkacz has discovered a relationship between Google searches and economic activity when he looked at the 2008 recession. Knowing that many people are keying in search terms, such as “recession” and “jobs”, can give an indication of economic changes as they are happening and the data can also help policy makers respond more quickly to these changes.
StFX Earth Sciences professor Dr. David Risk was named in 2014 as one of The Royal Society of Canada's inaugural members of The College of New Scholars, Artists and Scientists. The 91 scholars named to the College, including Dr. Risk, represent the emerging generation of scholarly, scientific and artistic leadership in Canada. Dr. Risk is recognized for making significant contributions to the understanding of how greenhouse gases, such as carbon dioxide, are released from soils and how the sequestration of greenhouse gases can be monitored. Applications of his research have been used around the world and his research collaborations to date have involved individuals on four continents.
StFX researchers, students and local health professionals have continued to advance groundbreaking research on early childhood development. A group of researchers who studied babies’ first contact with mothers have been working to determine if those same babies, at the ages of six to eight years old, received long-term social cognitive and communication benefits. Dr. Ann Bigelow, a StFX Psychology professor, along with Human Nutrition professor Dr. Doris Gillis, Psychology professor Dr. Kim MacLean, and Michelle Ward, the executive director of Kids First, have been carrying out this project with the support of the Social Sciences and Humanities Research Council (SSHRC). The initial skin-to-skin research work between mothers and their infants conducted by StFX professors, students, and community health professionals, was a first-of-its-kind study in Canada.
DELINEATING SHAKESPEARE’S LITERARY SOURCES

The Times Literary Supplement has featured StFX English professor Dr. Joseph Khoury’s “delightful edition” of Barnabe Riche’s The Adventure of Brusanus, Prince of Hungaria, remarking on his excellent introductory discussion of plot. “Khoury’s decision to edit Brusanus was prompted by a sense of the work’s lying behind Shakespeare’s Measure for Measure,” writes reviewer Lorna Hutson, who is a recognized authority in Renaissance Studies. Through extensive research, Dr. Khoury, a Shakespearean scholar, has prepared a critical edition of The Adventures of Brusanus, Prince of Hungaria (1592) by Barnabe Riche, a romance Khoury says Shakespeare used as a source for Measure for Measure along with some of his other plays.
In the study of past climates, one of the least known energy reservoirs is that of the energy stored in the upper layers of the continents. Research, published by StFX’s Earth Sciences professor Dr. Hugo Beltrami in collaboration with several colleagues, has made an important contribution to understanding the quantity and nature of the heat absorbed by the continental areas. Their paper was chosen as a journal highlight by the European Geosciences Union in 2014, providing the first estimate of the impact of the development of the Laurentide ice sheet on the estimates of energy and temperature reconstructions from measurements of terrestrial borehole temperatures in North America. The paper explains that reconstructions of past climatic changes from geothermal data are important and independent estimates of temperature histories over the last millennium. The research team also points out that multiple uncertainties remain in the interpretation of these data as climatic indicators and as estimates of the heat storage of the continental subsurface in response to long-term climatic change. In their article, the authors also presented quantitative estimates of the potential effects of temperature changes during the last glacial cycle on the paleoclimatic reconstructions over the last millennium for North America. Their results pointed to discrepancies, as much as 50 per cent of previous estimates of the continental heat change in North America when the effects of the last glacial cycle are not taken into account.
StFX PhD student, Lawrence Nyika, was honoured with the prestigious Quest award from the Nova Scotia Health Research Foundation (NSHRF). The Quest award is presented annually to the graduate student researcher who demonstrates the greatest promise and potential for excellence in health research in the province. Mr. Nyika is taking his PhD in educational studies at StFX University as part of the program jointly administered by StFX, Acadia University and Mount Saint Vincent University. He was a teacher and medical laboratory technologist in Zimbabwe before coming to StFX. His doctoral research (under the supervision of Dr. Anne Murray-Orr) examines the multiple perspectives of various stakeholders in health-promoting schools, including students, parents, support staff, and health and education professionals; in particular, he is exploring the health beliefs and practices of different ethnic groups in health-promoting schools in Nova Scotia.
In 2015, the Nova Scotia Dietetic Association awarded StFX Human Nutrition professor and departmental chair Dr. Doris Gillis an honorary life membership for her outstanding career achievements. As a nutrition and dietetics health literacy expert, Dr. Gillis has contributed to numerous health policy initiatives and to the development of resources supporting evidence-based practice, through such organizations as Health Canada, the Public Health Agency of Canada, and Dietitians of Canada. Her work in such areas as health literacy, food security and breastfeeding has played a significant role in heightening awareness of, and interest in, nutrition, addressing health disparities, and effecting positive change in practice and policy. Through her teaching, publications, presentations, professional and community service, graduate student advising, and highly interdisciplinary and collaborative participatory research (funded by CIHR, NSHRF, SSHRC and other leading agencies), she has inspired numerous students to pursue careers in this growing health field. Dr. Gillis served as a member of the Canadian Expert Panel on Health Literacy (2006-2008), and was a lead grant writer for the successful proposal that led to the National Collaborating Centre for Determinants of Health being established at StFX in 2006.
A lifelong endurance sport enthusiast, Dr. Daniel Kane in the StFX Department of Human Kinetics is passionate about exploring how exercise affects the metabolic physiology of skeletal muscle. With his $120,000 NSERC Discovery Grant, he is researching the effects of increased energy demand associated with physical exercise on skeletal muscle mitochondrial function, which has been linked to human health and disease, and the aging process. Dr. Kane and his team of student researchers are working to expose key regulators of mitochondrial bioenergetics that have been missing from fundamental models of cellular physiology and account for many of the benefits of exercise to human health.
Dr. Monica Diochon, professor in the Schwartz School of Business, is actively pursuing research to improve the understanding of business leadership and entrepreneurial activities undertaken by First Nations women across Atlantic Canada. In 2014-2015, she led a team of researchers from StFX, including colleagues Eileen Alma, Sheila Isaac, and Dr. Alison Mathie from the Coady International Institute, which completed a major baseline study on entrepreneurial activities of First Nations women in Atlantic Canada. This project was funded by the Atlantic Aboriginal Economic Development Integrated Research Program (AAEDIRP), in partnership with the Atlantic Policy Congress of First Nations Chiefs, in order to better understand entrepreneurship among Aboriginal women and to build Indigenous research capacity. The two-stage research project involved gathering baseline data to document the prevalence of entrepreneurship among Indigenous women, determine the level of interest in engaging in the entrepreneurial process, and understand the factors enabling and constraining engagement. As a result of this work, Dr. Diochon was awarded the Women’s Enterprise Organization of Canada Best Paper Award for her paper, ‘Entrepreneurship among First Nations women in the Atlantic region,’ at the Canadian Council for Small Business & Entrepreneurship (CCSBE) annual conference held at StFX in 2014.
Adult Education professor Dr. Leona English has focused much of her research on furthering an understanding of feminism and learning and education. Her primary research interest is in how women have shaped and been shaped by community experiences. In a SSHRC-funded archival research project on previously unknown women writers and editors of the Canadian Association for Adult Education in the 1950s, she is exploring how several of these women, including Ruth McKenzie, Jean Hunter Morrison, and Isabel Creighton Wilson, were integral to the Association’s ability to host regional study clubs across Canada and air corresponding National Radio Farm Forum and Citizens Forum programs weekly on CBC Radio. Their efforts contributed to strengthening regional and national capacity in adult education. This ongoing research study highlights the intellectual contributions of these women in the Association’s most critical decade, and the factors that contributed to their anonymity.
Six StFX Biology students presented their research at the 2014 Science Atlantic’s Aquaculture & Fisheries and Biology Conference held in Moncton, NB. The StFX delegation brought home four prizes; and three students each won the top prize in their respective categories. Laryssa Halat, a biology honours student supervised by Drs. Moira Galway and David Garbary, won both 1st prize, out of 25 oral presentations in the undergraduate oral presentation competition of the Biology Conference, as well as the Science Atlantic Science Communication Award, a “people’s choice” balloted competition. Her presentation was titled Skin shedding in a marine plant. Kieran Murphy, a MSc candidate supervised by Drs. Russell Wyeth and Cory Bishop, won the 1st place prize for the best graduate student oral presentation at the Aquaculture and Fisheries Conference for the presentation, Keep it fresh and stay cool: Combatting Ciona intestinalis biofouling in aquaculture. Sarah Van de Reep, a biology honours student supervised by Dr. David Garbary, won the 1st place prize for best undergraduate presentation in the Aquaculture and Fisheries Conference for her presentation, The “magic” of Ascophyllum nodosum extracts: An endosymbiotic hypothesis. Also presenting their research at the conference were Erika Kinach (biology honours; research conducted on exchange at the University of Bangor in Wales); Sara Gitt (biology honours; supervised by Dr. David Garbary); and Candace Nickerson (Aquatic Resources program; supervised by Dr. Jim Williams).
FACULTY OF ARTS

Anthropology

DR. CLARE FAWCETT, ASSOCIATE PROFESSOR


[media release] Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards. St. Francis Xavier University, Antigonish, NS, 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s


DR. CHRISTINA HOLMES, ADJUNCT PROFESSOR


DR. L. JANE MCMILLAN, ASSOCIATE PROFESSOR


[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).

[research grant] Paqtnkek Lukwaqn (work/labour) project. Workplace opportunities: Removing Barriers to Equity Program. Human Resources and Skills Development Canada, 2015 ($269,000). [Community partner.]

[research grant] McMillan LJ. (principal investigator); Gilham C, Moseley J [replaced by MacDonald C], Reeves A, Wilcox AC (co-applicants); Desrochers G (principal knowledge user); & Lekas S (knowledge user). Reintegrating well-being. Indigenous knowledge in action and building alliances for healthy communities and boys and men. Letter of Intent, Team Grant, Canadian Institutes of Health Research, 2014-2015 ($9,315).


[presentation] Pecha Kucka Night, Department of Anthropology, St. Francis Xavier University. Faculty research presentations (knowledge translation to University and community), 2014.

[panelist] 20th anniversary of the Indigenous, Black and Mi’kmaq law program, Schulich School of Law, Dalhousie University. Member of plenary panel, March 2015.


DR. SUSAN VINCENT, ASSOCIATE PROFESSOR


[referee] Manuscript reviewer for the journal, focal.

[media release] Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards. St. Francis Xavier University, Antigonish, NS. 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s


Art

DR. SHARON GREGORY, ASSOCIATE PROFESSOR


Celtic Studies

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


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


**Economics**

**Dr. Teng Wah Leo, Assistant Professor**


[media release] *StFX students look forward to summer of research thanks to ACEnet Research Fellowships*. St. Francis Xavier University, Antigonish, NS, 20 April 2015. Retrieved from [https://www.stfx.ca/about/news/stfx-students-look-forward-summer-research-thanks-acenet-research-fellowships](https://www.stfx.ca/about/news/stfx-students-look-forward-summer-research-thanks-acenet-research-fellowships)
DR. ZEYNEP ÖZKÖK, ASSISTANT PROFESSOR


[fellowship] Fellow, European Union Centre of Excellence, Halifax, NS.


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DR. GREG TKACZ, ASSOCIATE PROFESSOR


[TV interview] Skype interview for a CBC documentary on bank lending practices, 17 July 2015.


[radio interview] Radio interview on 98.9 XFM, Antigonish, NS, regarding the 2017 CEA conference at StFX, 5 June 2015.
[radio interview] Live radio interview on the Rick Howe Show, News 95.7 FM, Halifax, NS, on the impact of a lower exchange rate, 30 January 2015.

[radio interview] Live radio interview on the Sheldon MacLeod Show, News 95.7 FM, Halifax, NS, on the impact of lower oil prices, 22 January 2015.

[radio interview] Radio interview on 98.9 XFM, Antigonish, NS, on the impact of lower interest rates, 22 January 2015.

[radio interview] Radio interview on 101.5 FM The Hawk, Port Hawkesbury, NS, on the impact of lower interest rates, 22 January 2015.

[radio interview] Live radio interview on the Rick Howe Show, News 95.7 FM, Halifax, NS, on the impact of lower oil prices, 22 January 2015.

[radio interview] Radio interview on 98.9 XFM, Antigonish, NS, on the impact of lower oil prices, 7 January 2015.


[newspaper interview] Lower oil prices. The Casket [Antigonish, NS], 14 January 2015.

[media interview] Interview with Leah Schnurr of Reuters on economic models used at the Bank of Canada, 18 September 2014.

[media release] Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards. St. Francis Xavier University, Antigonish, NS, 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s

DR. PATRICK WITHEY, ASSISTANT PROFESSOR


[contribution agreement] Fenech A (co-investigator), Withey P (co-investigator) & Rosborough J (co-investigator). Adaptation Platform


[board member] Member, Editorial Board, Forestry: An International Journal of Forest Research, 2014-.


English

DR. MICHAEL D’ARCY, ASSOCIATE PROFESSOR


[fellowship] Research Fellowship in the Humanities, Harry Ransom Center, University of Texas, Austin, TX, January-March, 2015 (US $3,000).

DR. KATHERINE EDWARDS, ASSISTANT PROFESSOR


DR. JOSEPH KHOURY, ASSOCIATE PROFESSOR


[board member] Member, Executive Board, Canadian Society for Renaissance Studies / Société canadienne d’études de la Renaissance.

DR. MAUREEN MOYNAGH, PROFESSOR


DR. MATHIAS NILGES, ASSOCIATE PROFESSOR


Dr. Jason Potts, Assistant Professor


Dr. Earla Wilputte, Professor


History

Dr. Samuel Kalman, Associate Professor


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

[referee] Manuscript reviewer for the journal, Historical Reflections / Réflexions historiques.


[co-organizer with Antigonish Culture Alive] Beneath the stones [art exhibit], People's Place Library, Antigonish, NS, 5 June 2015.


[referee] Member of the Canadian Historical Association’s Clio Prize Committee (for best book on Atlantic Canadian History) in 2014-2015.


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DR. DONNA TREMBINSKI, ASSOCIATE PROFESSOR


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


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Modern Languages (French, German, Spanish)

DR. EDWARD LANGILLE, PROFESSOR


MARIA SOLEDAD PAZ-MACKAY, LECTURER


[conference paper] Paz-Mackay MS (2015, April-May). El legado del desorden familiar: Identidad y fotografía en Papá Iván, Encontrando a Víctor y M [The legacy of the “incomplete” family: Identity and photography in Papá Iván, Encontrando a Víctor and M]. Paper presented at Annual Convention Northeast Modern Language Association, Toronto, ON. [Note: Attended the conference and participated in all the sessions; however, unable to read this paper due to a concussion from a fall.] 


DR. WOJCIECH TOKARZ, ASSISTANT PROFESSOR


[co-organizer and panel chair] Simposio de la Asociación de los Hispanistas de las Provincias del Atlántico, St. Francis Xavier University, Antigonish, NS, October 2014.

[organizer and participant] Research Writing Day (Fridays), March-April 2015.

[organizer and participant] 3rd Annual StFX Writing Retreat, 23-27 February 2015.


**Philosophy**

**DR. STEVE BALDNER, PROFESSOR**


DR. CHRISTOPHER BYRNE, ASSOCIATE PROFESSOR


[invited lecture] Byrne C. (2015, February 13). Aristotle, the law of inertia, and Newton's physics. Paper presented at the Physics Department Colloquium, St. Francis Xavier University, Antigonish, NS. [The first time a philosopher had ever given a Physics Department colloquium talk at StFX.]


[referee] Manuscript reviewer for the journal, Synthese.

DR. JAMES MENSCH, SENIOR RESEARCH PROFESSOR


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**DR. WILLIAM SWEET, PROFESSOR**


Sweet W. (2015, September 30). The Supreme Court and the end of life: The issues for Christians today. Round Table participant, St. Ninian's Cathedral, Antigonish, NS.


Visiting (Overseas) Professor, Indian Council for Philosophical Research, 2015-2016.

Named Presidente d'onore, Istituto Internazionale Jacques Maritain (Rome), 2014.

Manuscript reviewer for Broadview Press; McGill-Queen's University Press; & Catholic University of America Press.

Manuscript reviewer for Studies in Religion / Sciences religieuses; Toronto Journal of Theology; Science et Esprit; Journal of the Philosophy of History; Political Studies; & Laval théologique et philosophique.

Reviewed research proposal for Insight Grants competition, Social Sciences and Humanities Research Council of Canada, 2015.

Member, Selection Committee, Partnership Grants, Social Sciences and Humanities Research Council of Canada, 2014.

[ethics chair] Chair, Ethics Committee, District 7 Health Authority [Nova Scotia], Guysborough Antigonish Strait District, 2010-2015.

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

[organizer] Principal Organizer, International conference on Realism and Antirealism in Ethics and Religion, Ottawa, ON, 30-31 May 2015.


**Political Science**

**DR. DOUGLAS BROWN, ASSOCIATE PROFESSOR**


**DR. YOUNGWON CHO, ASSISTANT PROFESSOR**


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**DR. PETER CLANCY, PROFESSOR**


[guest lecture] **Clancy P.** (2014, October). *Five turning points in Canadian climate politics.* Paper presented at the CREATE Seminar, Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS.


[presentation] **Clancy P.** (2015, March). *Climate diplomacy and the road to Paris.* Paper presented at the Climate Research Seminar, Centre for Public Policy and Governance, St. Francis Xavier University, Antigonish, NS.


[media release] *StFX student in Korea as participant in international youth event for water.* St. Francis Xavier University, Antigonish, NS, 28 April 2015. Retrieved from https://www.stfx.ca/about/news/stfx-student-korea-participant-international-youth-event-water

[media release] *Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards.* St. Francis Xavier University, Antigonish, NS, 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s

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**DR. SHIRAZ DOSSA, PROFESSOR**


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**DR. LAVINIA STAN, ASSOCIATE PROFESSOR**


[referee] Manuscript reviewer for *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; Cooperation and Conflict; Journal of the Nordic International Studies Association; European Politics & Society; International Journal of Communication; International Journal of Transitional Justice; Journal of Cold War Studies; Culture, Health and Sexuality; East European Politics & Societies and Cultures; Memory Studies; Nationalities Papers; Open Political Science Journal; Problems of Post-Communism; Review of European and Russian Affairs; Macquarie Law Journal; Southeastern Europe; & Tourist Studies.*

[referee] Manuscript reviewer for Berghahn Books; Freedom House / Nations in Transit; Oxford University Press; Stanford University Press; University of Toronto Press; Anthem Press; & Cambridge University Press.


[TV interview] R Petrisor, TVR [Romanian Television], 17 June 2015.


Psychology

DR. ERIN AUSTEN, ASSISTANT PROFESSOR


[TV interview] StFX students parody “Call Me Maybe” to raise breastfeeding awareness. CTV News Atlantic, 14 October 2014.


DR. LINDSAY BERRIGAN, ASSISTANT PROFESSOR


[conference poster] Hebert M, **Berrigan L**, Marrie RA, Bhan V, Patten S, McKay K & Fisk JD for the CIHR Team in Epidemiology and Impact of Comorbidity on Multiple Sclerosis. (2014, September). *Changes in subjective cognitive difficulties, mental health and information processing speed at one year follow-up in MS patients*. Poster presented at the 30th congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Boston, MA.


**DR. ANN BIGELOW, PROFESSOR**


[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).


Bigelow AE. (2014, November). Developing an understanding of self and other. Paper presented at Psychology Department Colloquium, St. Francis Xavier University, Antigonish, NS.

3M National Teaching Fellowship, 2015.


DR. KAREN BLAIR, ASSISTANT PROFESSOR


Blair KL. Psychophysiological correlates of prejudice and internalized homonegativity in response to same-sex public displays of affection in a sample of sexually fluid men. American Institute of Bisexuality Research Grant (held at the University of Utah, Salt Lake City, UT), 2014 ($14,500 USD).


Blair KL. (2014, November 21). Are we asking the right questions to find the answers we seek in relationships and sexuality research? Paper presented at Interdisciplinary Sexuality Seminar, University of Wisconsin-Madison, Madison, WI.


[newspaper interview] Roar T. (2014, September 13). Så meget knalder lesbiske. *Ekstra Bladet* [Copenhagen, Denmark]. [This study looks at different rates of sexual frequency and duration across sexual orientation.]

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**DR. TARA CALLAGHAN, PROFESSOR**


[media release] Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards. St. Francis Xavier University, Antigonish, NS, 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s


DR. ERIKA KOCH, ASSOCIATE PROFESSOR


DR. KIM MACLEAN, ASSOCIATE PROFESSOR


[co-supervisor with Dr. Margo Watt] Boyle BM. (2015). Anxiety sensitivity and mindfulness as predictors of health in undergraduates (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS. [Craig MacDonald Mooney Prize recipient; CACBT Best Research Poster Award; NSHRF Scotia Scholar Award recipient; Jules Leger Scholarship; currently in Clinical PhD program, University of New Brunswick, Fredericton, NB.]

[co-supervisor with Dr. Margo Watt] Cheyne B. (2015). “Blurred lines”: What do we share, with whom, online. (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS.


[co-supervisor with Dr. Margo Watt] MacLellan AS. (2015). Exploring perceptions of the homeless in a sample of undergraduates (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS. [Currently in Counselling Program, Western University.]


DR. MARGO WATT, PROFESSOR


[newsletter article] Lively CJ & Watt MC. (2014). If you build it, they will come: New Special Concentration in Forensic Psychology offered at StFX. *MindPad, 3*(2), 22-26.


[newsletter article] Stewart MJ & Watt MC. (2014). Substance use and mental health problems among Canadian women offenders. *Psynopsis* [Special Issue: Criminal Justice and Mental Health], 36(1), 14-16.


[co-supervisor with Dr. Kim MacLean] Boyle BM. (2015). *Anxiety sensitivity and mindfulness as predictors of health in undergraduates* (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS. [Craig MacDonald Mooney Prize recipient; CACBT Best Research Poster Award; NSHRF Scotia Scholar Award recipient; Jules Leger Scholarship; currently in Clinical PhD program, University of New Brunswick, Fredericton, NB.]
[co-supervisor with Dr. Kim MacLean] Cheyne B. (2015). "Blurred lines": What do we share, with whom, online (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS.


[co-supervisor with Dr. Kim MacLean] MacLellan AS. (2015). Exploring perceptions of the homeless in a sample of undergraduates (Unpublished BA honours thesis). Department of Psychology, St. Francis Xavier University, Antigonish, NS. [Currently in Counselling program, Western University, London, ON.]


Religious Studies

DR. BURTON MACDONALD, SENIOR RESEARCH PROFESSOR


[invited lecture] MacDonald B. (2015, October 20). The Bible and “Beyond the Jordan toward the East”: The people and the events in their historical and geographical contexts. St. Francis Xavier University, Antigonish, NS.

[referee] Manuscript reviewer for *Proceedings of the Prehistoric Society*.

[board member] Member of the Editorial Board for the publication of the Papers of the Second International Conference on Nabataean Culture.


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DR. KEN PENNER, ASSOCIATE PROFESSOR


[adjudicator] Member, Selection Committee 1B (Philosophy, Medieval Studies, Classics, Religious Studies), Insight Grants, Social Sciences and Humanities Research Council of Canada.

[board member] Member, Editorial Board, *Journal of Biblical Literature* [responsibilities include reviewing a journal article every 8 weeks].

**Sociology**

**DR. CATHERINE AUBRECHT, ASSISTANT PROFESSOR**


[research grant] Aubrecht C. Master Class Bursary & Travel Grant, Worldwide Universities Network Global Social Initiative on Ageing, 2015 ($800).
[research grant] Aubrecht C. Research Travel Grant, Institute of Health Services & Policy, Canadian Institutes of Health Research, 2015 ($1,500).


[organizer] Program Chair, Capital Ideas, Canadian Disability Studies Association annual meeting, Congress of the Humanities and Social Sciences, University of Ottawa, Ottawa, ON, 2-4 June 2015.

DR. PATRICIA CORMACK, PROFESSOR


DR. LYNDA HARLING STALKER, ASSOCIATE PROFESSOR


**DR. DAVID LYNES, ASSOCIATE PROFESSOR**


**DR. DANIEL MACINNES, RETIRED PROFESSOR**


**DR. PETER MALLORY, ASSISTANT PROFESSOR**


DR. STEPHEN MARMURA, ASSOCIATE PROFESSOR


cy theories in an age of propaganda. *International Journal of Communication, 8*, 2377-2395. London, UK: Democratic Audit (an affiliate of


Hispanists, Congress of Humanities and Social Sciences, University of Ottawa, Ottawa, ON.


Series, Department of History, St. Francis Xavier University, Antigonish, NS.

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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).


1966*. Paper presented at the Canadian Sociology Association Conference, University of Ottawa, Ottawa, ON.

[media release] Sociology professor awarded SSHRC funding to study urban social change. St. Francis Xavier University, Antigonish, NS, 8


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FACULTY OF BUSINESS

*Business Administration*

DR. MONICA DIOCHON, PROFESSOR

[journal article] Diochon M. A baseline study of entrepreneurship among First Nations women in the Atlantic region. *Journal of Small

Business and Entrepreneurship, 27*(1), 89-112.


Presentation as member of Plenary Women in Business Panel at the 21st Annual National CANDO [Council for the Advancement of

Native Development Officers] Conference, Nanaimo, BC.

[referee] Reviewed research proposal for Vici Grant competition, Innovational Research Incentives Scheme, Netherlands Organisation for

Scientific Research.


DR. MARK FULLER, ASSOCIATE PROFESSOR


[supervisor] Liu D. (2015). The effectiveness of lobbying activities to capital market performance (Unpublished BBA honours thesis). Department of Business Administration, St. Francis Xavier University, Antigonish, NS.

DR. OPAL LEUNG, ASSISTANT PROFESSOR


DR. BRAD LONG, ASSOCIATE PROFESSOR


DR. MARY OXNER, ASSOCIATE PROFESSOR


[award] Howard Teall Innovation in Accounting Education Award (1st place) [for Costs and cost management in the fresh egg industry – “The cost of an egg”], Canadian Academic Accounting Association, 2014.


DR. BHAVIK PARIKH, ASSISTANT PROFESSOR


Information Systems

NEIL FOSHAY, ASSISTANT PROFESSOR


[referee] Paper reviewer for the International Joint Conference on Neural Networks (IJCNN 2015), Killarney, Ireland, 12-17 July 2015.


**FACULTY OF EDUCATION**

**Adult Education**

**DR. LEONA ENGLISH, PROFESSOR**


[board member] Member, Editorial Board, *Journal of Religious Education* (Australia), 2011-.

[board member] Member, Editorial Board, *Journal of Transformative Education* (US), 2011-.


[board member] Member, Editorial Board, *Journal of Adult Theological Education* (UK), 2007-.

[board member] Member, Editorial Board, *Religious Education* (US), 2004-.

[board member] Member, Editorial Board, *Australian Journal for Adult Learning*, 2000-.


[ethics chair] Chair, Research Ethics Board, St. Francis Xavier University, Antigonish, NS, 2012-2015.

[board member] Board member, Antigonish County Adult Learning Association.


[advisor] Letourneau S. (2015). *Defining safety for women learners impacted by abuse: Healing trauma through literacy and the arts* (Unpublished research project). Department of Adult Education, St. Francis Xavier University, Antigonish, NS.

[advisor] MacNeil, C. (2014). *Examining the learning needs of rehabilitation professionals in the Qikiqtani Region of Nunavut considering community development as a practice model* (Unpublished research project). Department of Adult Education, St. Francis Xavier University, Antigonish, NS.


[co-ordinator] First president/co-ordinator, Antigonish International Film Festival, 2007-.

[nominator] Nominated Palagummi Sainath, an internationally renowned photojournalist from India, for the 2015 Coady Chair of Social Justice, Coady International Institute, St. Francis Xavier University. (He was selected and accepted to be the Chair.)


Education

DR. LAURA-LEE KEARNS, ASSISTANT PROFESSOR


WENDY KRAGLUND-GAUTHIER, ASSISTANT PROFESSOR


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


[second reader] Chisholm M. (2014). A case study: Evaluating the implementation of response to instruction (RTI) in grade 6 mathematics (Unpublished research project). Faculty of Education, St. Francis Xavier University, Antigonish, NS.

[third reader] Costello M. (2014). An inquiry into teacher professionalism: How elementary language arts teachers experience the implementation of literacy initiatives (Unpublished MEd thesis). Faculty of Education, St. Francis Xavier University, Antigonish, NS.


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


[radio interview] Interview on CBC Radio “Information Morning” – discussing *Disrupting the status quo: Nova Scotians demand a better future for every student* [Panel report on K to 12 education in Nova Scotia], Halifax, NS, 3 November 2014.

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**DR. KATARIN MACLEOD, ASSISTANT PROFESSOR**

[book chapter] **MacLeod KA.** (2014). Hello, are you out there, … anybody? In TG Ryan & DC Young (Eds.), *Teaching online: Stories from within* (pp. 53-63). Champaign, IL: Common Ground.


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DR. JENNIFER MITTON-KÜKNER, ASSISTANT PROFESSOR


Mitton-Kükner J, Kearns L-L & Tompkins J. (2014, October 17). *Positive Space III Training Workshop*. Presentation to Year 2 pre-service teachers at St. Francis Xavier University, Antigonish, NS.

Mitton-Kükner J. (2014, October 17). *Assessment Professional Development Workshop*. Presentation to Year 1 pre-service teachers (middle school stream), St. Francis Xavier University, Antigonish, NS.


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**DR. ELIZABETH MUNROE, ASSISTANT PROFESSOR**


[policy advisor] Member, Early Years Advisory Council, Department of Education, Nova Scotia. [Appointed by the Premier of Nova Scotia to advise the Minister of Education.]

[committee member] Member, Sub-Committee on Assessment, Nova Scotia Educational Leaders Consortium.


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**DR. ANNE MURRAY-ORR, ASSOCIATE PROFESSOR**


Member, Editorial Board, Cogent Education, 2015

Manuscript reviewer for Thinking Skills and Creativity; in education; & LEARNing Landscapes.

Conference paper proposal reviewer for Canadian Society for Studies in Education, 2013-


DR. DANIEL ROBINSON, ASSISTANT PROFESSOR

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).


Manuscript reviewer for Teaching and Teacher Education.

Abstract reviewer for Canadian Society for the Study of Education Conference.

Communications/Listserv Manager, Physical and Health Education Canada Research Council, 2015-

Advisory Committee Member, Leadership, Physical and Health Education Canada, 2014-2016.
DR. JOANNE TOMPKINS, ASSOCIATE PROFESSOR


[media release] *Forum to showcase research conducted by StFX education graduate students*. St. Francis Xavier University, Antigonish, NS, 13 July 2015. Retrieved from [https://www.stfx.ca/about/news/forum-showcase-research-conducted-stfx-education-graduate-students](https://www.stfx.ca/about/news/forum-showcase-research-conducted-stfx-education-graduate-students)

DR. ROBERT WHITE, ASSOCIATE PROFESSOR


[keynote address] White RE. (2015). *What is research?* Invited presentation at First Annual Student Research Forum, Faculty of Education, St. Francis Xavier University, Antigonish, NS.


[board member] Member, Editorial Board, *Improving Schools*.

[board member] Member, Advisory Board, *The Journal of Interdisciplinary Research in Child and Youth Mental Health*.


[media release] *Forum to showcase research conducted by StFX education graduate students*. St. Francis Xavier University, Antigonish, NS, 13 July 2015. Retrieved from [https://www.stfx.ca/about/news/forum-showcase-research-conducted-stfx-education-graduate-students](https://www.stfx.ca/about/news/forum-showcase-research-conducted-stfx-education-graduate-students)
DR. DAVID YOUNG, ASSOCIATE PROFESSOR


[referee] Manuscript reviewer for Pearson Education Canada.


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

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

FACULTY OF SCIENCE

Biology

DR. CORY BISHOP, ASSISTANT PROFESSOR


[journal article] Small D*, Bennett S* and Bishop CD. (2014). The roles of oxygen and ammonia in the symbiotic relationship between the salamander Ambystoma maculatum and the green alga Oophila amblystomatis during embryonic development. Symbiosis, 64, 1-10.


[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).


[public outreach] Launched Citizen Science project website, Bishop Laboratory, Department of Biology, St. Francis Xavier University, Antigonish, NS, 2014. Retrieved from http://citizensciencens.ca/


DR. JOHN BUCKLAND-NICKS, SENIOR RESEARCH PROFESSOR


[research grant] **Buckland-Nicks J.** *Functional morphology of reproduction in mollusca*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2012-2017 ($125,000).


[art exhibit] **Buckland-Nicks J.** (2015). The art of science [exhibition of electron micrographs]. Tall and Small Cafe and later at the People’s Place Library, Antigonish, NS.

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**DR. MOIRA GALWAY, ASSOCIATE PROFESSOR**


[symposium organizer] Advances in Modelling Plant Development (as Chair, Plant Development Section, Canadian Society of Plant Biologists), co-sponsored by Canadian Botanical Association and the Structure and Development Section of the Botanical Association of America. Paper presented at Botany 2015: Science for Plants and People, Edmonton, AB.


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**DR. DAVID GARBARY, PROFESSOR**


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


[editor] Associate Editor, Algae, 2015.


[organizer] Formed “Dulse Nova Scotia” with four other principals to develop land-based aquaculture of the red seaweed Palmaria palmata (Dulse).


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**DR. LORI GRAHAM, ASSOCIATE PROFESSOR**


[invited panelist] Participated at Contextualizing Ebola, Contextualizing Speakers Series, Department of History, St. Francis Xavier University, Antigonish, NS, 30 October 2015.

[university officer] Biosafety Officer, St. Francis Xavier University, Antigonish, NS, 1994-.


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**DR. WILLIAM MARSHALL, PROFESSOR**


DR. ANTHONY MILLER, SENIOR RESEARCH PROFESSOR

[journal article] Garbary DJ, Miller AG, Williams J & Seymour NR. (2014). Drastic decline of an extensive eelgrass bed in Nova Scotia due to the activity of the invasive green crab (Carcinus maenus). Marine Biology, 161, 3-15. [This paper was chosen as the feature article of the month for this journal.]


DR. RICARDO SCROSATI, ASSOCIATE PROFESSOR


[supervisor] Petzold W. (2014). Regional-scale study on the thermal regulation of intertidal barnacle recruitment (Unpublished MSc thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.

[supervisor] Romoth K. (2014). Adult prey conspecifics limit the nonconsumptive effects of predatory snails on barnacles (Unpublished MSc thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.


[media release] Research conducted in StFX lab leads to successful PhD defense for international student. St. Francis Xavier University, Antigonish, NS, 10 August 2015. Retrieved from https://www.stfx.ca/about/news/research-conducted-stfx-lab-leads-successful-phd-defense-international-student


DR. JIM WILLIAMS, ASSOCIATE PROFESSOR


[supervisor] MacLellan AL. (2015). *Focal adhesion kinase (FAK) family tyrosine kinases mediate cell volume and ion transport regulation in Calu-3 human airway epithelia* (Unpublished MSc thesis). Department of Biology, St. Francis Xavier University, Antigonish, NS.


DR. RUSSELL WYETH, ASSOCIATE PROFESSOR


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

[board member] Council Member, Canadian Society of Zoologists.

[editor] Associate Editor, Canadian Journal of Zoology.


Chemistry

DR. MANUEL AQUINO, PROFESSOR

[invited journal article] Corkum EG, Wang R & Aquino MAS. (2015). Compromising the metal-metal bond in diruthenium(II,III) tetraacetate: Reaction of [Ru2(m-O2Me)4(MeOH)2]+ with phosphines to form "Ru(m-O2CMe)2(m-OMe)2Ru" cores. Inorganica Chimica Acta [Special Issue: Metal-Metal Compounds and Metal Clusters in honor of Prof. F.A. Cotton], 424, 202-209.


[board member] Member, Editorial Board, E-Journal of Chemistry.

[board member] Member, Editorial Board, Pure and Applied Chemical Sciences.


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DR. GENIECE HALLETT-TAPLEY, ASSISTANT PROFESSOR


[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 paper] Piggott EK, Hope TO, Gong J & Hallett-Tapley GL. (2015, June). The development and applications of AuNP@RNbO$_3$ photocatalysts. Paper presented at the 98th Canadian Chemistry Conference and Exhibition, Ottawa, ON.


DR. BRIAN MACLEAN, ASSOCIATE PROFESSOR


DR. TRUIS SMITH-PALMER, PROFESSOR


[referee] Reviewed research proposal for grant competition, Canada Foundation for Innovation.


Earth Sciences

DR. HUGO BELTRAMI, PROFESSOR


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


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).


[media release] Interrogating the past – StFX research selected as a journal highlight by the European Geosciences Union. St. Francis Xavier University, Antigonish, NS, 8 December 2014. Retrieved from https://www.stfx.ca/about/news/interrogating-past-stfx-research-selected-journal-highlight-european-geosciences-union

DR. LISA KELLMAN, PROFESSOR


[research chair] Kellman L. Canada Research Chair (Tier II) in Environmental Sciences. Natural Sciences and Engineering Research Council of Canada, 2010-2016 ($500,000).
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).

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).

Contract between Aquistore and Risk D (principal investigator) & Kellman L (co-investigator) to monitor soil greenhouse gas. Petroleum Technology Research Center, Aquistore, 2014-2016 ($170,800).


MacLeod D. (2015). Stratigraphy and sedimentology of selected sandstone units in the Albion Member, Stellarton Formation, subsurface, Pictou County (Unpublished BSc honours thesis). Department of Earth Sciences, St. Francis Xavier University, Antigonish, NS.


[vice-chair & founding member] Canadian Stratigraphic Commission.


[column] Chair’s Corner, Silurian Times, 22 (2014).

[editor] Palaeontographica Canadiana [a refereed paleontological monograph series].


[referee] Reviewed research proposals for the European Research Council and the US National Science Foundation.

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**DR. BRENDAN MURPHY, PROFESSOR**


[external examiner] **Dutuk D.** (2015, October). *Provenance and diagenesis of Middle Jurassic to Lower Cretaceous clastic sedimentary systems in the SW Scotian Basin and the Fundy Basin* (Unpublished MSc thesis). Department of Geology, Saint Mary’s University, Halifax, NS.

[research grant] **Murphy JB.** *Crust-mantle coupling during the assembly and amalgamation of Pangea*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2020 ($165,000).

[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).


[award] Ambrose Medal, Geological Association of Canada, 2014. [Awarded to an individual for sustained dedicated service to the Canadian earth science community.]

[editor] Geology, 2014-2018


[referee] Manuscript reviewer for Atlantic Geology; American Journal of Science; Canadian Journal of Earth Sciences; Canadian Mineralogist; Chemical Geology; G3; Geoscience Canada; Geological Society of America Bulletin; Geological Society of America Special Publications; Geological Magazine; Geological Society of London Journal; Geological Society of London Special Publications; Geology; Geoscience Canada; Geosphere; Gondwana Research; Journal of Asian Earth Sciences; Journal of Iberian Geology; Lithos; Lithosphere; Nature Geoscience; Precambrian Research; Tectonophysics; & Terra Nova.


[research grant] Risk D. Developing large-footprint leak detection strategies for enhances oil recovery. Collaborative Research & Development Grant, Natural Sciences and Engineering Research Council of Canada 2015-2017 ($87,000 + industry contributions).


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


Risk D. Surface containment monitoring for carbon capture and storage. ecoENERGY Innovation Initiative, Natural Resources Canada 1, 2012-2015 ($756,000).


Wild P (principal investigator), Risk D (co-investigator) et al. Distributed all-optical CO2 sensing for field-scale subsurface carbon management. Carbon Management Canada, 2010-2015 ($186,500 [Risk portion]).

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]).

Risk D. New, innovative robust fiber-optic sensors for dissolved gas environmental and safety monitoring near the sea floor. Encana / Offshore Energy Technology Research 2013-2015 ($100,000).

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).


Risk D & Kellman L. Surface measurement, monitoring, and verification research at the Aquistore Carbon Capture and Storage Site, Saskatchewan. Petroleum Technology Research Centre, 2014-2016 ($190,000).


[award] President's Research Award, St. Francis Xavier University, Antigonish, NS, 2015.


[award] Clean Air Leadership Award, Southeastern Saskatchewan Airshed Association, 2015. [Shared award with Cenovus Energy.]


[spin-off company] Eosense (formerly Forerunner Research), Dartmouth, NS. [Advisor, Research and Innovation to StFX spinoff company specializing in environmental gas monitoring; founded by Risk, and now selling globally and employing twelve people (http://www.eosense.com/).

Engineering

DR. FRANK COMEAU, ASSISTANT PROFESSOR


[research grant] Comeau F. *Early development of wireless fitness device*. 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).


[referee] Manuscript reviewer for the journal *Ad Hoc; & Sensor Wireless Networks*.


Human Kinetics

DR. AMANDA CASEY, ASSISTANT PROFESSOR


[referee] Manuscript reviewer for *Research in Developmental Disabilities; Adapted Physical Activity Quarterly; & Games for Health Journal.*

[board member] Member, Board of Directors, Antigonish and Guysborough Early Childhood Intervention Program, 2014- .

[community volunteer] Assisted with design and implementation of accessible activities for Keppoch Fun Days, Antigonish County, to promote evidence-based practice and inclusive communities.

[committee member] Playground for Everybody, Antigonish Education Centre.

[consultant] Consulted with Antigonish County Recreation regarding adapted equipment.


DR. MELANIE LAM, ASSISTANT PROFESSOR


DR. DANIEL KANE, ASSISTANT PROFESSOR


[supervisor] George M. (2015). Assessing mitochondrial lactate oxidation in permeabilized skeletal muscle fibers highlights important experimental considerations (Unpublished BSc honours thesis). Department of Human Kinetics, St. Francis Xavier University, Antigonish, NS. [Poster presentation winner of gold medal, StFX Bookstore, Student Research Day Award; currently pursuing MSc in Kinesiology at the University of Calgary, Calgary, AB.]

[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).


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**DR. ANGIE KOLEN, ASSOCIATE PROFESSOR**


[abstract] Kolen AM. (2014). Dare to be innovative and physically and mentally engaging when teaching larger classes. 2014 AAU Teaching Showcase: Conversations, eprogram.


[invited presentation] Kolen AM. (2014, October). *Establishing your rhythm as a leader* [2 x 90-minute interactive presentations at the U4]. Presentation at The Leaders Summit @ X: Igniting Local and Global Citizenship, St. Francis Xavier University, Antigonish, NS.

[invited presentation] Kolen AM. (2014, October 17). *Dare to be innovative and physically and mentally engaging when teaching larger classes*. Presentation at the 2014 AAU Teaching Showcase, Cape Breton University, Sydney, NS.


[founding co-ordinator] Student Research Day, St. Francis Xavier University, Antigonish, NS, 2003-.


**DR. DEBORAH VOSSEN, ASSOCIATE PROFESSOR**


**DR. CHARLENE WEAVER, ASSOCIATE PROFESSOR**


**Human Nutrition**

**MARCIA ENGLISH, LECTURER**


**DR. DORIS GILLIS, ASSOCIATE PROFESSOR**


[research grant] Gillis DE, Fish K, Johnson C & Langille L. REAL Complex Intervention. Knowledge Translation Workshop Series, Nova Scotia Health Research Foundation, 2015-2016. [Travel support to Halifax for workshops but no direct project funding allocated to team.]


DR. LAURA GOUGEON, ASSISTANT PROFESSOR


[board member] Member, Editorial Board, *Journal of Nutrition in Gerontology and Geriatrics*.

[referee] Manuscript reviewer for the journals *Public Health Nutrition; & Psychiatry Research*.


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**DR. JENNIFER JAMIESON, ASSISTANT PROFESSOR**


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**DR. LAURIE WADSWORTH, ASSOCIATE PROFESSOR**


[declined editorship] Invited to serve as Associate Editor of *Public Health Nutrition*. [Declined due to current editorial term with *Journal of Nutrition Education and Behavior*.


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**Mathematics, Statistics and Computer Science**

**DR. IKER GONDRA, ASSOCIATE PROFESSOR**


[organizer & presenter] Computer Science session developer and presenter at StFX University Math-CMS Camp.

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**DR. RYAN LUKEMAN, ASSISTANT 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).


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**DR. WENDY MACCAULL, PROFESSOR**


[program co-chair with Dr. Ellen Jaatun] 4th International Conference on Current and Future Trends of Information and Communication Technologies in Health Care (ICTH 2014), Halifax, NS, September 2014.

[workshop co-organizer with Dr. Yngve Lamo and Dr. Adrian Rutle] 1st International Workshop in Metamodelling for Healthcare Services (MMHS 2014), in conjunction with ICTH 2014, Halifax, NS, September 2014.


[committee member] Member, Program Committee, 3rd European Workshop on Practical Aspects of Health Information (PAHI 2015), The Scottish Highlands, UK, October 2015.

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).

[board member] Member (for North & South America), Editorial Board, Fractals, 2014-.


DR. XU (SUNNY) WANG, ASSISTANT PROFESSOR


[media release] Seven StFX students will gain valuable research experience through McKenna Centre’s Irving Mentorship Awards. St. Francis Xavier University, Antigonish, NS, 15 April 2015. Retrieved from https://www.stfx.ca/about/news/seven-stfx-students-will-gain-valuable-research-experience-through-mckenna-centre%E2%80%99s

DR. PING ZHOU, PROFESSOR


[research grant] Zhou P. Rational approximants, sequences and series, and applications. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2012-2017 ($60,000).

Nursing

DR. PATTI HANSEN-KETCHUM, ASSOCIATE PROFESSOR


DR. CATHY MACDONALD, ASSOCIATE PROFESSOR


[research grant] McMillan LJ (principal investigator); Gilham C, Moseley J [replaced by MacDonald C], Reeves A, Wilcox AC (co-applicants); Glode-Desrochers P (principal knowledge user); & Lekas S (knowledge user). *Reintegrating well-being, Indigenous knowledge in action and building alliances for healthy communities and boys and men*. Letter of Intent, Team Grant, Canadian Institutes of Health Research, 2014-2015 ($9,315).


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


[invited speaker] MacDonald C. (2014, June). *Self-care for Oncology and Palliative Care Nurses*. Presentation via Polycom to graduate students, University of Calgary Qatar.


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**DR. DONNA MACDOUGALL, ASSOCIATE PROFESSOR**


[research grant] 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).

[research grant] 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).

[research grant] 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).


[research grant] Isenor J (principal investigator) & MacDougall D (co-investigator). *Summer research student for Pharmacists as Immunizers Research Team and Working Group.* Drug Evaluation Alliance of Nova Scotia (DEANS), NS Department of Health and Wellness, 2014 ($7,303).


Dalhousie University 20th Annual Infectious Diseases Research Day and 7th Annual Symposium of the Canadian Center for Vaccinology, Halifax, NS.


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**DR. CHARMAINE MCPHERSON, ASSOCIATE PROFESSOR**


[co-supervisor with Dr. Donna MacDougall] Tiller V. (2015). When time is of the essence: A case study of the challenges of developing and implementing a province-wide influenza control program (Unpublished BScN thesis). School of Nursing, St. Francis Xavier University, Antigonish, NS.


**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, 2010-2017 ($120,000).

[invited speaker] Le Bris K. (2015, July 27). *Broadband mid-IR quantum cascade laser and cavity enhanced absorption techniques for spectroscopic in-situ sensing*. Paper presented at Atmospheric Physics Seminar, Department of Physics, University of Toronto, Toronto, ON.


**DR. KARL-PETER MARZLIN, ASSOCIATE PROFESSOR**


DR. DAVID PINK, SENIOR RESEARCH PROFESSOR


[co-supervisor with Dr. AG Marangoni] Peyronel F. (2014). *Ultra small angle X-ray scattering studies of triacylglycerol crystal networks* (Unpublished PhD dissertation). Department of Food Science, University of Guelph, Guelph, ON.

[research grant] **Pink DA**. *Goat milk project for Wild Orchid Farms*. Industrial Research Assistance Program, National Research Council of Canada, 2015 ($5,000).


[research grant] **Pink DA**. *Modelling and computer simulation to enable reduced sodium chloride in dough*. Engage Grant, Natural Sciences and Engineering Research Council of Canada, 2014-2015 ($25,000).

[research grant] **Pink DA**. *Developing flavoured creamed honey products*. Engage Grant, Natural Sciences and Engineering Research Council of Canada, 2014 ($25,000).


[award] Outstanding Achievement Award (Edible Applications Technology), American Oil Chemists Society, 2015.

[invited conference paper] (2014). **Pink DA**. *Interactions of a P. aeruginosa PA01 bacterium with surfaces and with other bacteria*. Paper presented at invited symposium, Boise State University, Boise, ID.


[invited talk] Pink DA & Papp-Szabo E. (2015, May). Modelling dough. Invited Talk to M. Nickerson Research Group, Food Science Department, University Saskatchewan, Saskatoon, SK.


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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).


[adjudicator] Member, Joint Awards Selection Committee, Natural Sciences and Engineering Research Council of Canada, 2012-2014. [Selects winners of NSERC’s highest honours: Herzberg, Brockhouse, and Polanyi Awards.]

[media release] StFX students look forward to summer of research thanks to ACEnet Research Fellowships. St. Francis Xavier University, Antigonish, NS, 20 April 2015. Retrieved from https://www.stfx.ca/about/news/stfx-students-look-forward-summer-research-thanks-acenet-research-fellowships-0
DR. MICHAEL STEINITZ, SENIOR RESEARCH PROFESSOR

[editor] Editor-in-chief, Canadian Journal of Physics, 2006-.

[adjudicator] Visits to several schools, judging at Mi’kmaq Regional Science Fair.

DR. BRANDON VAN ZYL, ASSOCIATE PROFESSOR


[co-supervised with Dr. Peter Marzlin] Kiefl R. (2015). Visualizing the quantum measurement process (Unpublished advanced major thesis). Department of Physics, St. Francis Xavier University, Antigonish, NS.


[editor] Associate Editor (Condensed Matter Physics), Canadian Journal of Physics.


OTHER ACADEMIC PROGRAMS

Development Studies

DR. JONATHAN LANGDON, ASSISTANT PROFESSOR


[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).


[board member] Member of Executive, Canadian Association for the Study of International Development.


Women's and Gender Studies

DR. NANCY FORESTELL, ASSOCIATE PROFESSOR


[organizer] Co-organizer of symposium, Building Alliances and Seeking Reconciliation with Mi’kmaq Women, Antigonish, NS, November 2014.

[organizer] Member, Organizing Committee, President's Forum on Sexualized Violence, February 2015.

[referee] Manuscript reviewer for Labour / Le Travail; & Atlantis.

[adjudicator] Member, Article Prize Committee, Canadian Committee on Labour History, Canadian Historical Association.

[board] Co-Chair, Board, Antigonish Women's Resource Centre and Sexual Assault Services Association, Antigonish, NS.

[organizer] Member, Organizing Committee, Listening to Women's Voices: International Women's Week, Antigonish, NS, March 2015.

DR. RACHEL HURST, ASSISTANT PROFESSOR


[advisor] James B. (2015). Women in the Caribbean: Slavery to present day labour (research paper in Interdisciplinary Studies in Service Learning; course taught by Dr. Donna MacDonald). St. Francis Xavier University, Antigonish, NS.

[second reader] Pierce K. (2015). Sexuality and imperialism: Gay rights and sexual difference (Unpublished BA honours thesis; supervised by Dr. Shiraz Dossa). Department of Political Science, St. Francis Xavier University, Antigonish, NS.

[publication grant] Aid to Scholarly Publications Program Grant for Surface imaginations: Cosmetic surgery, photography, and skin.

Federation for the Humanities and Social Sciences, 2014 ($8,000).


[invited talk] Hurst R. (2015, March 16). Skin. Guest lecture for Dr. Catherine Aubrecht's course, Race, Class, Gender Sex, Department of Sociology, St. Francis Xavier University, Antigonish, NS.


[organizer/facilitator] Sole organizer and facilitator for Gender Failure: A Movie, Panel, and Discussion Night, St. Francis Xavier University, Antigonish, NS, 20 January 2015.

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

[terms of reference] Wrote the terms of reference for the Hive for Feminist Research Annual Lecture Series committee, which were approved by University Faculty in April 2015.

[co-chair with Margie McKinnon] Sexualized Violence Policy Implementation Sub-Committee (that wrote the actual Policy Against Sexualized Violence), St. Francis Xavier University, Antigonish, NS.
[committee member] Member, Planning Committee for President's Colloquium on Sexualized Violence, St. Francis Xavier University, Antigonish, NS, 11 February 2015.


[referee] Manuscript reviewer for Oxford University Press.


Coady International Institute

DR. ROBYN BOURGEOIS, SENIOR PROGRAM TEACHING STAFF


COLLEEN CAMERON, SENIOR PROGRAM STAFF


DR. MOLLY DEN HEYER, SENIOR PROGRAM ANALYST


CATHERINE IRVING, LIBRARY CO-ORDINATOR


[referee] Manuscript reviewer for the Journal of Transformative Education.

PAMELA JOHNSON, PROGRAM TEACHING STAFF


DR. ALISON MATHIE, MANAGER, RESEARCH & DISSEMINATION


[research grant] Mathie A (on behalf of the Coady International Institute). Citizenship as agency: Building an analytical framework to explore the dynamic between economic, political, and environmental citizenship. IDRC (International Development Research Centre), Hivos (Netherlands), & Inter American Foundation, 2015-2016 ($150,000). [Other Coady participants: Alma E, Ghore Y, Landry J, Lee N (associate), Peters B, Schreiber V & von Lieres B (associate).]

BRIANNE PETERS, PROGRAM ASSOCIATE


National Collaborating Centre for Determinants of Health

CONNIE CLEMENT, SCIENTIFIC DIRECTOR


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.

[advisor] Member, Insight Advisory Committee, Social Sciences and Humanities Research Council of Canada, 2014-


ANDREW KENDALL, MANAGER, INDUSTRY LIAISON OFFICE


Writing Centre

SHERRY NEVILLE-MACLEAN, INSTRUCTOR


Note: * = undergraduate student and ** = graduate student.
Total externally sponsored research at StFX relative to eight “comparator” Canadian Universities (2009-2014). Comparator universities were selected based upon comparable levels of total external research funding in 2010 and/or regional considerations.

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).
Trends in Grant/Contract Funding from Other Sources of 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)

Key Sources of External Research Funding at StFX (2014-2015)

Source: StFX submission to CAUBO
STFX RESEARCH STATISTICS (CONTINUED)

Research Universities of the Year (RUy) rankings: Research InfoSource

http://www.researchinfosource.com/

RUy rankings rate the top 50 Universities in Canada. RUy rankings take into account both financial input and research output and impact/quality measures. The financial input measures are total sponsored research income and research intensity. The research output and impact/quality measures are: total number of publications, publication intensity and publication impact.

<table>
<thead>
<tr>
<th>Year</th>
<th>2009</th>
<th>2010</th>
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<th>2012</th>
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<tr>
<td>StFX Rank*</td>
<td>43</td>
<td>47</td>
<td>49</td>
<td>46</td>
<td>45</td>
<td>47</td>
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</tbody>
</table>

* Rank for Externally Sponsored Research Income

Research Universities of the Year (RUy): StFX Rankings for 2013 & 2014

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

Source: Research InfoSource
ACKNOWLEDGEMENTS

We would like to thank all faculty and staff who contributed their input to the 2014-2015 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 and Andrew Conde, for their generous assistance with the design and production of this Report.

Dr. Kevin Wamsley, Academic Vice-President & Provost

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