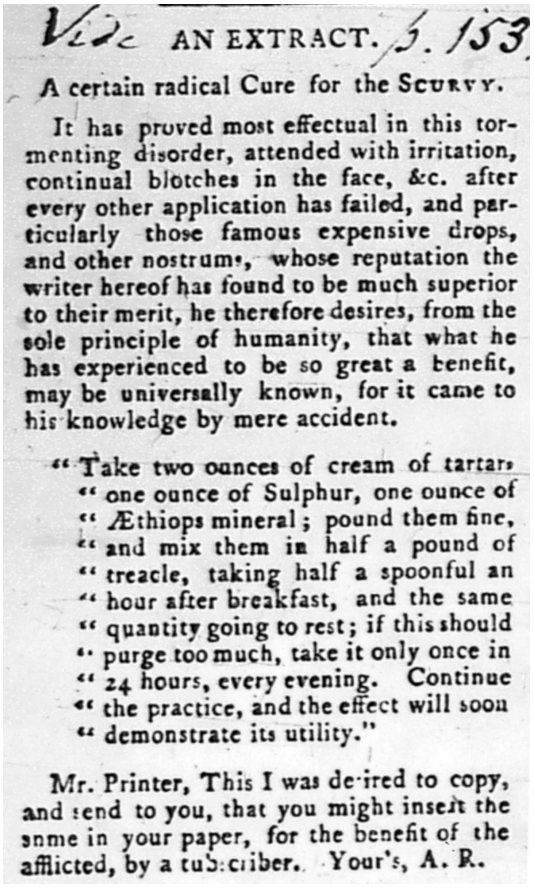
Research Matters

Fall 2016 — UNB Successes

Early Modern Maritime Recipes

Professor Edith Snook (Department of English) is the Principal Investigator on a SSHRC-funded research project, entitled "Early Modern Maritime Recipes"; Dr. Lyn Bennett (Department of English, Dalhousie University) is the Co-investigator, and they have hired a small team of graduate research assistants in Fredericton and Halifax who will be working with them.

"Early Modern Maritime Recipes" examines recipes circulating before 1800 in print and manuscript in the area now defined as Canada's Maritime Provinces. Early modern recipes focused on food and medicines, as well as cosmetics, veterinary medicine, and laundry, amongst other things. Analysis of early modern recipes is an emerging field of study. Leading the way are literary scholars and historians who have been looking at recipes, largely from Britain, as texts about knowledge exchange and as life-writing; they document not only intellectual lives informed by experiment, reading, social networks, and caregiving, but also political lives attached to particular class, cultural, and national values. This project engages the Maritimes, with its specific power struggles and political and cultural history, in this wider discussion. It will compile a record of extant recipes from print and manuscript sources and make them publicly accessible in a web portal that will be created with the assistance of UNB's Centre for Digital Scholarship. The aims of this project are to explore the circulation of knowledge among Indigenous and Settler cultures and to consider how Maritime recipes both interact with and helped to constitute an Atlantic culture of intellectual exchange.



Vide AN EXTRACT. p. 153

A certain radical Cure for the Scurvy.

It has proved most effectual in this tormenting disorder, attended with irritation, continual blotches in the face, &c. after every other application has failed, and particularly those famous expensive drops, and other nostrums, whose reputation the writer hereof has found to be much superior to their merit, he therefore desires, from the sole principle of humanity, that what he has experienced to be so great a benefit, may be universally known, for it came to his knowledge by mere accident.

"Take two ounces of cream of tartar, "one ounce of Sulphur, one ounce of "Æthiops mineral; pound them fine, "and mix them in half a pound of "treacle, taking half a spoonful an "hour after breakfast, and the same "quantity going to rest; if this should "purge too much, take it only once in "24 hours, every evening. Continue "the practice, and the effect will soon "demonstrate its utility."

Mr. Printer, This I was desired to copy, and send to you, that you might insert the same in your paper, for the benefit of the afflicted, by a subscriber. Your's, A. B.

Recipe from PEI—Royal Gazette and Miscellany of the Island of Saint John, 30 January 1793

For this issue, we are catching up on the exciting research awards, grants and projects received by the University of New Brunswick researchers, from October 1st, 2015 to September 30th, 2016.

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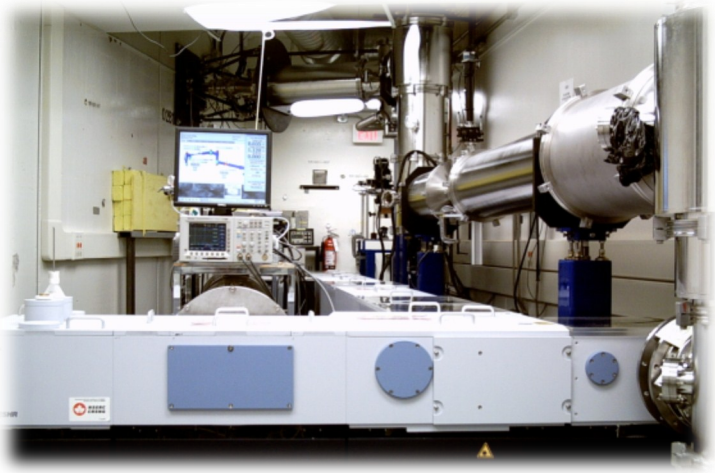
Research Success Stories

Weeding The Cosmos

Dr. Ron Lees recently returned from "The Brightest Light in Canada" namely the Canadian Light Source synchrotron at the University of Saskatchewan, the largest national experimental facility in Canada. As a charter member of the CLS Far Infrared Beam Team, he was recording high-resolution spectra of deuterated methanol to generate a database for the radio astronomical community. Methanol (CH3OH) is widespread in large interstellar clouds and star-forming regions throughout the universe, and is popularly known by astronomers as the #1 "interstellar weed" due to its rich forest of spectral lines that obscure other species in the interstellar garden. With sensitive new radio telescopes coming online, astronomers are in urgent need of better laboratory data so they can "weed the cosmos" to detect new species. Dr. Lees and Dr. Li-Hong Xu are meeting this need for methanol and its sulphur analogue with databases prepared from CLS studies as well as collaborations with groups in Cologne, the NASA Jet Propulsion Lab, and the U. of Akron. This summer, Dr. Lees gave talks on his CLS work at the Can. Chem. Soc. meeting in Halifax, the Can. Assoc. of Physicists Annual Congress in Ottawa, and notably "Synchrotron Spectroscopy and Torsional Structure of the CSH Bending and CH_3-Rocking Bands of Methyl Mercaptan" at the 71st International Symposium on Molecular Spectroscopy in Urbana, Illinois, and PRAHA2016, the 24th International Conference on High-Resolution Molecular Spectroscopy in Prague.



Far-Infrared beamline spectrometer at the Canadian Light Source

Department of Mathematics and Statistics, UNB Saint John

The newly formed Department of Mathematics and Statistics has been expanding its research amongst students and faculty. There were 4 undergraduate student research projects this summer (with Dr. A. Burgess, Dr. C. Stewart, Dr. L. Zou and Dr. T.L. Alderson). The Fall 2015 semester saw the first PhD in Mathematics successfully completed on our campus, Dr. Mohammad Abu Zaytoon, co-supervised by Dr. M.H. Hamdan and Dr. T.L. Alderson, who are co-supervising a second PhD student, Mr. Sayer Alharbi, awaiting his defence date this Fall. Dr. M. H. Hamdan and Dr. T.L. Alderson and their graduate students along with Dr. Dale Roach and Dr. Idris Gadoura in Engineering have collaborated in an Applied Mathematics/Fluid Dynamics research group that has published 28 journal articles so far in 2016.

International Conference Presentations

Graduate students and their supervisors (Lisa Best and Lilly Both) from the Department of Psychology (Saint John) attended the International Psychological Application Conference and Trends in Lisbon, Portugal. Leanne Davis, Kate Flood, Samantha Fowler, Derek Gaudet, and Scott Lilly gave oral presentations of their honours theses and graduate research.

L-R standing: Kate Flood (supervisor, Lisa Best), Leanne Davis (supervisor, Lisa Best), Samantha Fowler (supervisor, Lilly Both)
L-R seated: Derek Gaudet (supervisor, Lisa Best), Scott Lilly (supervisor, Lisa Best)

U.S. Commission on Military History's Brigadier General James L. Collins Jr. Book Prize

Dr. Marc Milner has been selected to receive the U.S. Commission on Military History's Brigadier General James L. Collins Jr. Book Prize in Military History. The award is in recognition of Marc's book *Stopping the Panzers: The Untold Story of D-Day*, which has been judged "the best book written in English on military history published during 2014 or 2015" by the selection committee. This is a singular honour, not only because it is a glowing acclamation of Dr. Milner's work, but also because it is an acclamation, by the leading organization of *American* military historians, of a book that challenges a long dominant interpretation of a crucial aspect of the Normandy campaign advanced largely by *American* military historians. I (Dr. Jeffrey Brown) can't resist quoting the letter from the President of the Commission: this "revisionist history, in the best sense of the word, breathes new life into interpreting the widely covered World War II Normandy campaign . . . . [it] will no doubt prompt a fresh look by international scholars at a vital chapter in the history of World War II in Western Europe."

Research Success Stories

Dr. Robert J. Moore - English Discipline

Dr. Moore has two books coming out this fall: a book of poetry (Based on Actual Events) and a collection of scholarly essays he co-edited (Sublimations of Sexuality: Exploring the Boundaries of the Erotic) which includes an essay of his "White Lions of the Pridelands." – out September 30, 2016. Dr. Moore also had an article titled, "Does Poetry have to be so Difficult" which appeared in last month's Walrus Magazine out September 26, 2016.

Dr. Liuchen Chang

UNB researcher nabs innovation prize for pioneering work on energy systems

Liuchen Chang, a professor of the department of electrical and computer engineering was recognized as one of the province's top researchers at the March 23rd NBIF R3 gala dinner.

UNB Newsroom: Posted by UNB on 3/21/16 : Liuchen Chang, a professor of the department of electrical and computer engineering at the University of New Brunswick, is being recognized as one of the province's top researchers. Dr. Chang is receiving a New Brunswick Innovation Foundation R3 Innovation award at a gala dinner on March 23. The award celebrates the innovations of New Brunswick's leading applied researchers.

"I am truly humbled by this award," Dr. Chang said. "I think the award is a recognition of the research achievements collectively accomplished by a group of hardworking researchers and graduate students at the UNB Sustainable Power Research Group." Dr. Chang is receiving the award for his pioneering renewable energy conversion and systems work.

To see the full article online, please visit https://blogs.unb.ca/newsroom/2016/03/21/unb-researcher-nabs-innovation-prize-for-pioneering-work-on-energy-systems/

Liability of internet intermediaries in defamation

Professor Hilary Young, Faculty of Law obtained a SSHRC Insight Development Grant to study the liability of internet intermediaries in defamation. Using established legal principles, are internet service providers "publishing" content that flows through their servers? Does Facebook "publish" its users' content? If so, it may be liable in defamation. In a related project, Professor Young (with Emily Laidlaw, University of Calgary) is developing recommendations for changes to the law of internet intermediary liability. These will inform the Law Commission of Ontario's current defamation law reform project.

Second Language Immersion in Mathematics in the High North: *From Doctoral Presentation to International Partnership*

When Karla Culligan presented her doctoral research at the international Psychology of Mathematics Education (PME) conference in Vancouver in July 2014, she did not expect that it would lead to an international collaboration between the Arctic University of Norway (UiT) and the Second Language Research Institute of Canada (L_2RIC) in the Faculty of Education at UNB. But that is exactly what happened.

After her presentation, Karla was approached by a doctoral student from Norway who found her work to be relevant to an emerging project that involved language immersion and mathematics education for minority and indigenous languages in that country. This led to several conversations and then, in 2015, to a partnership between L_2RIC and UiT. Through a research grant from the High North Programme valued at NOK 300,000 (approx. $50,000 CAD), Karla Culligan and her supervisor Dr. Joseph Dicks of L_2RIC and researchers and students from UiT are bridging research and practice by engaging in site visits, meetings, and seminars.

Four Norwegians recently spent 10 days visiting UNB, New Brunswick and PEI schools and meeting with experts in immersion and indigenous language education. A return trip to Norway will allow Karla and Dr. Dicks to conduct research and provide guidance to educators working in immersion in minority language contexts there.

The High North Programme also aims to develop a strong and sustainable institutional partnership between the University of New Brunswick and UiT.

Research Success Stories

Deepening Historical Consciousness Through Museum Fieldwork: Implications for Community-Based History Education
Dr. Cynthia Wallace-Casey, Faculty of Education won the Canadian Association for Foundations of Education Outstanding Dissertation Award in May of 2016 for her dissertation, Deepening Historical Consciousness Through Museum Fieldwork: Implications for Community-Based History Education.

In the past 25 years history education in schools has undergone a revolution, at least in terms of official policy and curricula. Drawing on a vast and growing body of international research policy makers and curriculum planners have focused the development of new courses around elements of historical thinking. These are articulated slightly differently across jurisdictions but are essentially the same. The focus is on fostering student understanding of, and facility with, key historical process such as establishing historical significance, considering continuity and change over time, and working with primary source evidence.

Dr. Wallace-Casey's dissertation makes a substantial contribution to this growing body of work in a number of ways. Most importantly, her study extends the examination of the development of historical thinking from classrooms to the informal learning context of community museums. It also adds a material history component to assessing the ability of students to work with primary source historical evidence. One of the most interesting contributions of the work is Dr. Wallace-Casey's examination of how collaborative work in historical inquiry fosters new ways of thinking about history and history education not only for students, but also for staff and community volunteers who work in museums.

NB Institute for Research, Data and Training
Dr. Ted McDonald has continued to lead development of the NB Institute for Research, Data and Training with its mandate to provide researchers access to high quality linkable administrative data from the NB Department of Health and other Departments and Agencies. Seven projects from various researchers using administrative data are already underway and another nine projects are in preparation. NB-IRDT has attracted significant additional funding from NBHRF, SSHRC and CIHR as well as from private sector partners to fund NB-IRDT research and activities. Dr. McDonald has recently been invited to speak on data access in NB at the FPT Consultative Council on Social Data in Ottawa, the US Research Data Centre Business meeting in College Station Texas, and the Canadian Open Data Symposium in Saint John, and he was also the keynote speaker at the annual Horizon Health Research Day in Moncton. For more information on NB-IRDT, please visit http://www.unb.ca/fredericton/arts/nbirdt/.

Muriel McQueen Fergusson Centre for Family Violence Research (MMFC)
Dr. Catherine Holtmann, Associate Professor in the Sociology Department, was appointed as the Director of the Muriel McQueen Fergusson Centre for Family Violence Research (MMFC) on July 1st, 2015. Cathy joined Dr. Nancy Nason-Clark's Religion and Violence research team at the MMFC as a graduate student in 2007. The MMFC fosters a university-community collaborative and action-oriented research model. During 2015-2016 the MMFC, its research teams, associated projects and professional development programs worked with over a half a million dollars in funding from Tri-Council and other sources. A detailed description of this work is available on the MMFC website: www.unb.ca/fredericton/arts/centres/mmfc

Cathy and Nancy were successful co-applicants in getting a SSHRC Connection grant as well as a grant from the SSHRC-funded Religion & Diversity Project (www.religionanddiversity.ca) for the workshop: "When Prayers are not Enough: Religion, Gender and Family Violence." The workshop was hosted by the MMFC on September 13-14, 2016 and brought together established and emerging scholars working from the perspectives of Christianity, Islam, Judaism, Aboriginal spirituality, and New Religious Movements from the disciplines of law, sociology and religious studies. The papers from the workshop are being revised for an edited publication and plans are in the works to develop online resources for religious leaders.

Dr. Nason-Clark & Dr. Hotlmann

Research Success Stories

Embedded Clinician Researcher Salary Award

Dr. Tracey Rickards was recently named a recipient of an Embedded Clinician Researcher Salary Award. She is one of only two Maritime recipients of the prestigious grant, which will allow her to work directly with the Fredericton Downtown Community Health Centre (FDCHC), performing multi-disciplinary research and mentoring enthusiasm to build a team of clinician researchers.

The Embedded Clinician Researcher Salary Award has a value of $75,000 per year for four years and is accompanied by a partner contribution of $25,000 per year for four years from the New Brunswick Health Research Foundation.

Dr. Tracey Rickards

Dr. Sophie M. Lavoie (right)

Creating artistic ties across the world

Dr. Sophie M. Lavoie in the Dept. of Culture and Media Studies is also the Director of the Creative Registry with the Canadian Association of Hispanists (people who study Spanish and Latin American Language and Culture). The Creative Registry brings together authors, artists, translators, and cultural promoters from across Canada and the world. Along with its work in creating content on/about Latin-Canadian culture, the Creative Registry holds a yearly Special Poetry and Art Expo. The 2016 expo was dedicated to Marta Zabaleta, a poet and researcher from the Southern cone now based in the U.K. The 2016 expo, organized by Dr. Lavoie, brought together 59 participants from 24 countries in a permanent online gallery component (created by a colleague at Concordia University, Dr. José Antonio Giménez Micó) and a real-life poster exposition held at the University of Calgary in June 2016 and shown at various other Latino-Canadian literary events

Governor Generals' Gold Medal Winner

The winner of this year's Governor Generals' Gold Medal was announced early October and will go to Sarah Vannier, PhD, Psychology. Sarah graduated this past spring (May 2016) and was awarded this most prestigious award, recognizing her remarkable graduate research work captured in a thesis entitled, "The association between romanticized relational schema and relationship outcomes in young adults' dating relationship". Sarah will receive her medal at the Fall Encaenia ceremony.

The development of innovation through job crafting

Dr. Patrick Bruning, Assistant Professor with the Faculty of Business Administration has been awarded a SSHRC Insight Development Grant in the amount of $63,107, for a research project he is leading to explore the development of innovation through job crafting.

Job crafting happens when employees make changes to their jobs in an effort to improve the job for themselves, and the practice stretches across industries and organization levels. Though the implications of job crafting are far-reaching, there has not been much research on the topic. Bruning began exploring the practice of job crafting as part of his doctoral dissertation at Purdue University. His initial research looked to describe what kind of changes people make to their jobs and how these changes relate to outcomes at work, including employee performance, well-being and job satisfaction.

Currently, Dr. Bruning is the lead investigator in a project that is an extension of his initial research, and aims to examine how we can apply the concept of job crafting to improve people's innovation at work, to see it as a way in which people can be innovative at work. During the first part of the study Bruning and his team will be looking at how to measure and assess job crafting that supports innovation, and then during the second part they will look to develop training programs to increase positive behaviors and to help people be even more innovative in how they work.

Dr. Bruning is collaborating on this project with Dr. Nealia Sue Bruning with the University of Manitoba and Dr. Michael A. Campion with Purdue University. Dr. Bruning joined the faculty of business at the University of New Brunswick Fredericton campus in the summer of 2014 and teaches courses in leadership and motivation. In addition to job crafting, his research interests include understanding the distinct challenges associated with leading and managing teams to achieve improved group process, as well as outcomes associated with employee health, performance and innovation. His other current research addresses change management and how employees from different countries in Asia assess the fairness of their employers.

University Research Scholars 2016 (1 of 3)

The award of University Research Scholar is intended for University of New Brunswick researchers who have demonstrated a consistently high level of scholarship, and whose research is, or has the potential to be, of international stature. The award shall honour leading researchers at the University. Recommendations for this award are made by a selection committee and approved by the Board of Governors.

Dr. Kecheng Li

Research Accomplishments

Over the past ten years at UNB, Dr. Li has established a strong research program in the fields of wood biorefining, advanced nano-scale and surface characterization, and biotechnologies for pulp and paper. He has obtained all levels of research funding such as: CFI, NSERC-Discovery, -Strategic, -CRD, CFI, AIF, NBIF, MatNet and various industry supports, totaling more than $5 million in cash and more than $1 million in in-kind. Over the past 6 years, Dr. Li has co-authored 46 refereed journal articles, 24 conference papers and had 32 conference presentations and more than 30 reports to industries and governments. He has disclosed 7 technologies and have 5 US patents awarded, 1 pending. Dr. Li was also awarded "Merit Award" in 2008 for his contributions in teaching, research and academic services at UNB.

Intellectual Leadership and International Stature

Dr. Li has not only obtained various projects as a sole applicant, but also led as the project leader and PI in several multi-disciplinary consortium projects/proposals with multiple universities/professors and industrial partners such as his current NSERC Strategic ($0.6 million) with UofT, Lakehead, Irving, Resolute, Andritz, and his current NSERC/AIF ($2.3 million) with UNB Bio, ME, UofT and Irving, NewPage, Bowater Mersey, Resolute, and Novozymes.

In addition, Dr. Li has also initiated an effort recently to form an NSERC network project with professors from UBC (a CRC), Waterloo (a CRC), Toronto (A FiDiChair), Lakehead (a CRC), UC-Riverside (a Nano Chair). Dr. Li has also led an effort with Profs Singh (CE) and Zheng (ChE) in establishing the "Centre for Bioprocessing and Biofuels" at UNB. Dr. Li has led a new AIF project proposal with UQTR, Irving, PHP, Metso, Novozymes, in which $710,000 cash contribution is from industrial partners (secured) and $1.3 million is requested from AIF. Dr. Li's research is supported not only by the local industry but also by world leaders in their respective fields such as: Resolute FP-QC (mechanical pulping), Tembec-QC (market high yield pulp), Novozymes-Demark (enzymes), and Andritz-Austria (biomass refiner).

Dr. Li's research is well regarded internationally. He has been invited by universities and research institutes around the world to give seminars (36 in total) in e.g., Australia, Canada, China, Finland, Japan, Korea and USA. In the last two years alone in Canada, he has been invited to give talks to Waterloo, UBC, Ottawa, CBU, FPInnovations. He has also served on the organizing committee of several international conferences, served as an executive editor of *J. Bioprocess & Biorefinery (USA)*, on the editorial board of *J. Chemical Process Eng (USA),* and served as a guest editor of *J. Sci. Technol Forest Products, Processes (Canada)* and of FIBRES (Switzerland). Dr. Li has been a reviewer for more than 48 major journals around the world in bioenergy, chem-eng, materials, nano-technol, surface sci, and pulp paper fields. He has also been a reviewer for research grant proposals of CFI, NSERC, DG, SPG, I2I, IRC, CRD, for National Science Foundation (USA), and for the Knowledge Foundation (Sweden) and tenure of review at UofT, Ottawa. He is currently serving on the NSERC Discovery Grant EG Committee.

Training of HQPs

Through research Dr. Li was able to supervise 30 students and researchers over the past 6 years. All his students graduated are working in industry, academia, & government, e.g. several recent graduates working with Novozymes, FPInnovations, NBIF, Norapac, Millarwestern, North Atlantic Refining and three professors each in GXU, SUST, and SCUT, respectively.

Dr. Kecheng Li

University Research Scholars 2016 (2 of 3)

Dr. Remy Rochette

Before joining UNB as an Assistant Professor in 2001, Dr. Rochette held an NSERC PDF fellowship at Simon Fraser University with Dr. Lawrence Dill, a fellow of the Royal Society of Canada and an internationally renowned evolutionary ecologist. At UNB, Dr. Rochette was promoted to Associate Professor in 2004, granted tenure in 2007, and promoted to Full Professor in 2010. The overarching theme of his research is the ecology and evolution of coastal marine invertebrates, with recent emphasis on research in support of sustainable exploitation and management of lobster fisheries in eastern Canada. As of December 2015, Dr. Rochette has published over 40 research papers in the primary scientific literature, 19 of which are since 2009. Since arriving at UNB he has received uninterrupted funding from NSERC, and has supervised or co-supervised 8 Doctoral students, 22 Masters Students, 70 undergraduate researchers, as well as 4 technicians and research associates. He received a Merit Award in 2014-2015, the Faculty Excellence for Teaching Award in 2009-2010 and the Biology Department Award for Teaching Excellence in 2008-2009 and 2013-2014. He has shown strong leadership as Chairperson of the Biology Department between 2012-2015, and was a major force behind the development of the *Marine Semester*, which is a unique experiential-based program taught in the Fall at the Huntsman Marine Sciences Centre in which students learn by resolving problems and conducting supervised research.

Dr. Rochette has demonstrated exceptional leadership in large collaborative research projects with government scientists and the fishing industry. Between 2009 and 2012 he was lead investigator of 2 NSERC Strategic Projects, one aiming to develop a tool to quantify biodiversity and lobster settlement on shallow cobble-bottom habitat and one to validate a tool to directly assess the age of Crustaceans. The second project was the brainchild of Dr. Raouf Kilada, who is now a Research Associate at UNB. The first paper resulting from this work was published in 2012 and it immediately received considerable media coverage and the technique is now being tested on Crustaceans in many parts of the world. Between 2010-2015 Dr. Rochette was also lead investigator of the NSERC Canadian Fisheries Research Network's *Lobster Node*, which is a large collaboration between scientists from the Department of Fisheries and Oceans, academics and lobster harvesters in Newfoundland, Québec and the Maritime provinces that aims to quantify connectivity and define stocks of lobster in Canada. In 2015 he was awarded a third NSERC Strategic Project Grant, with Dr. Louis Bernatchez at Laval University, to further the research of the *Lobster Node*. He also collaborates with government and university scientists in the US, and he is involved in cross-disciplinary research with social scientists at UNB on co-construction of knowledge. Since 2009 he has received grants totaling $2.75 million.

Dr. Rochette's peers recognize him as a leader in his field. He is a member of the College of Reviewers of the NSERC CRC Program, member of the NSERC CFRN Research Committee and from 2011-2014 he was member of the NSERC Strategic Grants Selection Committee. He is often invited to give presentations on his research and most recently delivered a plenary talk at the 2015 US-Canada Science Symposium, *The American Lobster in a Changing Environment*, which was picked up by regional and national news outlets. His advice, as well as that of his students, is regularly sought by the Department of Fisheries and Oceans and by lobster fishermen in all parts of eastern Canada.

Dr. Remy Rochette

University Research Scholars 2016 (3 of 3)

Dr. Kenneth Kent

Dr. Kenneth Kent obtained his Ph.D. from the University of Victoria in 2003, his M.Sc. from the same in 1999, and his B.Sc. from Memorial University in 1996. Dr. Kent joined the Faculty of Computer Science in 2002 as an Assistant Professor. He was promoted to Associate Professor in 2006, granted tenure in 2008 and promoted to rank of Professor in 2011. Dr. Kent's research interest include hardware/ software co-design, reconfigurable computing, embedded systems and software engineering.

Dr. Kent has completed significant research on Java virtual machine technology, including the use of distributed computing and dedicated hardware to accelerate Java execution-the basis of his MSc and PhD these respectively. Upon joining UNB, he had continued working in the areas of field programmable gate arrays and virtual machine technology, both with the goal to improving execution for faster times, lower memory usage and lower power consumption.

Dr. Kent's work in virtual machine technology has led to a substantial collaboration with IBM in the development of their J9 Java Virtual machine-the underlying technology that supports the vast majority of IBM commercial software products. Through a $5 million AIF project, Dr. Kent leads a team of approximately 30 graduate students and research assistants in tackling research challenges facing IBM. This project is the foundation of the creation of the IBM Centre for Advanced Studies-Atlantic (CASA), one of 5 such centres in Canada and the first in Atlantic Canada. Within the four years that this project has been running, Dr. Kent, Director of CASA, has been co-inventor on seven disclosures that have been submitted to the IBM technical Intellectual Property Team. The CASA team at UNB has played an integral part in researching and investigating leading edge techniques in Java execution and much of their work has been integrated into the IBM's J9 product, which is the foundation for IBM's software infrastructure.

In the area of field programmable gate arrays (FPGAs), Dr. Kent is the lead researcher of Odin-II – a Verilog elaboration tool used in computer-aided design (CAD) research for FPGAs. This tool is part of the VTR software suite developed in conjunction with the University of Toronto, the University of Miami-Ohio, and the University of British Columbia. With over 10,000 downloads, many researchers and industries (including Texas Instruments, Xilinx, Altera, MIT, UC Berkeley, Stanford) use this toolset for developing new FPGA and circuit architectures as well as CAD algorithms. This research is supported by the CFI/NBIF-Embedded Systems Canada award, and most recently awarded CFI/NBIF-Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies, where Dr. Kent is the UNB lead.

Since his arrival, Dr. Kent has maintained a high level of collaborations with industry. He has collaborated with over 20 companies on numerous IRAP-funding interactions, 16 Mitacs Accelerate internships, 6 NSERC Engage grants, 6 NBIF Research Assistantship Initiatives and one NBIF Research Technician Initiative. In addition, Dr. Kent has maintained an NSERC Discovery grant since 2004, having received over $250K to date. In total, he has led projects with over $7 million in funding awarded towards his research activities since arriving at UNB,

Over the course of his 13 years at UNB Dr. Kent has supervised 33 graduate students to completion and is currently supervising 7 PhD students and 12 MCS students. Along the way, this has led to the publication of over 70 refereed conference papers, 16 journal articles and 1 best paper award. In addition to his numerous research accomplishments, he has also excelled as a teacher, having received the 2010 Faculty of Computer Science Excellence in Teaching Award.

Dr. Kent is heavily involved in the research community though journal editing, conference organization, grant adjudication, and scientific refereeing, including being a member of the NSERC Strategic Grant Information and Communication Technology Selection panel. He has served as a general chair, program chair, steering committee member and program committee member for numerous conferences in his areas of expertise.

Dr. Kenneth Kent

Professor Emeritus & Honorary Research Professor — Research Success Stories

One thing often forgotten is how our retired professors and Honorary Research Professors (HRP) continue to contribute to the university mission. As such, for this initial section we requested research stories from our retried professors and HRP's as found in the pages below. Future Research Matters will focus on current research activities for this portion of the newsletter.

Fin-back whale off St. Andrews—Sept 3, 2016

Underwater noise levels in the Bay of Fundy

Dr. Terhune's collaboration with the Eastern Charlotte Waterways, Blacks Harbour, NB, on the underwater noise levels in the coastal Bay of Fundy is continuing. Over 93,000 sound recordings from 2015 have been analyzed and more are currently being collected. Portions of this data set were used by Ms. M. Stewart for her B. Sc. honours thesis in which she examined the impact of noises from the Grand Manan ferries on fin whale communication. Dr. Terhune presented a talk on how noise levels impact baleen whale communication ranges, using the Bay of Fundy data as an example, at a conference on the effects of noise on aquatic life in Ireland.

Professor Emeritus Fernando Poyatos

Fernando Poyatos, Professor Emeritus, reflects on his time at UNB and his research activities over the past few years.

Professor Poyatos

"The truth is that, recalling a sort of farewell piece I published in *The Brunswickan* when I retired in 1998, once in a while I wished, in all these years, I still had a venue like the now disappeared (but fondly remembered by many) campus newspaper, simply to assure all those who suddenly stopped seeing me around the Fredericton campus (and might have even thought me dead or just wondered in their calculations) that I am still very much alive, in good health at 83, thank God, and enjoying my research activities around the world as much a proud and grateful representative of the University of New Brunswick as when I was still on campus, particularly teaching my three nonverbal communication courses in the departments of Anthropology, Sociology and Psychology. In fact, given the extremely interdisciplinary nature of my research field, I keep not only writing, but with much more free time on my hands, lecturing at universities and conferences, in over twenty countries by now. In fact, since my retirement in Spain, I had time not only for daily hospital pastoral care (which I started many years ago at the Everett Chalmers hospital), but for publishing three sizable volumes on *Nonverbal Communication Across Disciplines* (2002), another one on *Textual Translation and Live Translation: The Total Experience of Nonverbal Communication in Literature, Theater and Cinema* (2008), two on pastoral care (1999, 2014), three on religious topics (2004, 2015, 2016), plus over fifty research articles—among them: nine for the Oxford *Encyclopaedia of Semiotics* (1998), one for the *Encyclopaedia of Literature and Science* (2002), one for the second volume of *Body-Language-Communication. Handbooks of Linguistics and Communication Science* (2013), "Nonverbal Communication in Interaction: Psychology and Literature" (2015), etc.

2001— The Legislature from St. John St,

Of course, all this will come to a stop one day. But in the meantime I enjoy encouraging university students to not disregard, but rather discover and use, their God-given abilities in order to further their own horizons and potentials in today's society and always in the service of others, each in his or her own capacity; and also, like many of us retirees, look forward to their own retirement, yet never as just a leisurely time in life, but as one in which to carry out a continuing responsibility toward their alma mater, where others passed their wisdom on to them. As for myself, long physically vanished from the UNB scene, and fondly looking at some of the views of Fredericton and its campus I painted over the years, I keep gratefully carrying its name personally and in writing."

Professor Emeritus & Honorary Research Professor — Research Success Stories

Informal "Geodesy Group" in GGE

Petr Vanicek, Professor Emeritus discusses the current work of the informal Geodesy Group in the department of Geodesy & Geomatics Engineering (GGE). To see Professor Emeritus Vanicek's full article on the "story of the informal Geodesy Group in GGE", please visit https://www.dropbox.com/sh/5sat3kpovjk4mes/AAApJjeySjAFcBvNv9wAZEXJa?dl=0.

"Our group is viewed internationally as being the strongest proponent of the classical system, and our publications are closely followed as witnessed by our number of citations (e.g., PV, 1762 citation as of Sept.27, 2016; source: ResearchGate GmbH, Invalidenstr. 115, 10115 Berlin, Germany) and PV's inclusion in the List of Geophysicists as one of 3 living Canadians, one of 163 total listed. (Note that this "**list of geophysicists** contains people who have made notable contributions to geophysics, whether or not geophysics was their primary field. These include 120 historical figures who laid the foundations for the field of geophysics", source: en.wikipedia.org/wiki/List_of_geophysicists.)

The research described herein had been supported from three main sources: PV's NSERC personal research and strategic grants, grants from the Canadian Centre of Excellence GEOIDE, and research contracts with Geodetic Survey Division of Canadian Federal Government in Ottawa. When PV retired from teaching at UNB in 1999, the research support from the latter two sources gradually declined, but 14 years later, he received a 5-year NSERC discovery grant (the largest in the GGE department in 2013). The grant is for studying the downward continuation and formulating physically meaningful constraints for the iterative process.

With this background information let us turn to the present situation. The latest NSERC discovery grant has allowed the group to accept two PhD students, M. Sheng and I. Foroughi (Sheng eventually got a full NSERC PhD scholarship). The "Geodesy Group", composed now of these two graduate students, Dr. Santos, Dr, Kingdon, myself and, for a year, one MScE student, M. Klu, complemented during the Summer months by Prof. Janak and last Summer also by Prof. Novák, thus continues functioning and producing cutting edge research.

At the time, Sheng is in Ireland, for a month-long research stay with Prof. Martinec at the Dublin Institute for Advanced Studies, Foroughi is in Czech Republic at New Technologies for the Information Society (NTIS), Faculty of Applied Sciences, University of West Bohemia, Plzeň, for a two-month research stay with Prof. Novák.

The research done by the "Geodesy Group" has had many spinoffs. "The work accomplished by the Geodesy Group over the years made it possible to implement a geoid-based vertical datum in Canada, allowing accurate orthometric height determination by GNSS all across the country (from Pelee Island to Alert and Victoria to St-John's)" [Huang and Véronneau 2013]. "The next step is to extent this datum across North America (including Central America and Caribbean Islands) by coordinating work with the USA (NGS) and Mexico (INEGI)" [Véronneau and Huang 2016]., A private company, FUGRO, bought a license to our geoid software (SHGeo) and has now used it in their first commercial geoid computation in United Arab Emirates. Dr. Kingdon and PV continue to work with FUGRO as geodetic consultants. One of our former members, D. Avalos, is spearheading an effort on behalf of Mexico to produce a common geoid model for Central America, using our SHGeo software. Prof. Martinec is using his version of the Stokes-Helmert approach to compute the geoid in Ireland. Saudi Arabia, Egypt and Israel have obtained our software to produce geoids in their respective countries."

Pictured above (L-R): Foroughi, Sheng, Avalos, Novák, Ellmann and Huang in Thessalonike – Geodesy Group reunion

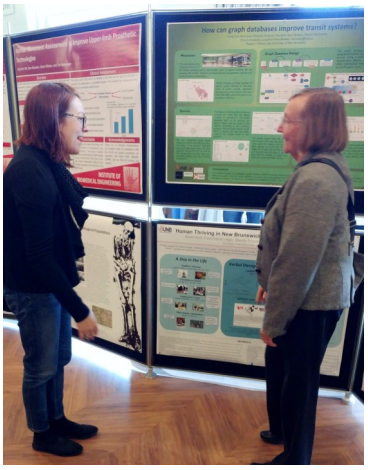
Research in Accounting Education

Barbara Trenholm was appointed to the board of governors of the International Development Research Centre in June 2016. She continues to research in accounting education since her retirement in 2008 and published the seventh Canadian edition, of Weygandt, Kieso, Kimmel, Trenholm, Warren, and Novak, *Principles of Financial Accounting*, John Wiley & Sons Canada in 2016. She is currently working on the seventh Canadian edition of Kimmel, Weygandt, Kieos, Trenholm, Irvine, and Burnley, *Financial Accounting: Tools for Business Decision-Making*, which is expected to be published this fall.

Professor Emeritus & Honorary Research Professor — Research Success Stories

UNB Homecoming Research Showcase

Honorary Research Associate Anne Hunt, Faculty of Education presented a flash address and poster at the UNB Homecoming Research Showcase on Friday September 30th, 2016. She reported on the extensive international program of research that she and other colleagues have pursued in Emerita Professor Catherine Ann Cameron's Child Study Lab in Psychology with support from UNB. Three research strands were represented: the "*Day in the Life*" work which focuses on thriving and following toddlers, children in transition to school, resilient migrant teenagers and older adults through filming one day in their lives in diverse communities around the globe; exploration of the moral decisions of Canadian and Chinese children and youth; and investigation rural New Brunswick adolescents' romantic relationships. The contributions of these research initiatives in the development of educational and legal programs in support of young people was highlighted



Anne Hunt (right) - UNB Homecoming Research Showcase

Professor Emeritus Antonio C.M. Sousa

Professor Emeritus Sousa (Mechanical Engineering) and his co-workers from different institutions in the world authored the following publications:

- Sundar, L. Syam, Hortiguela, Maria J., Singh, Manoj K., Sousa, A.C.M., Thermal conductivity and viscosity of water based nanodiamond (ND) nanofluids: An experimental study, *International Communications in Heat and Mass Transfer,* 76, 2016, pp. 245-255.
- Sundar, L. Syam, Otero Irurueta, G., Singh, M.K., Sousa, A.C.M., Heat transfer and friction factor of multi-walled carbon nanotubes-Fe_3O_4 nanocomposite nanofluids flowing in a tube with/without longitudinal strip inserts, *International Journal in Heat and Mass Transfer*, 100, _ 2016, pp. 691-703.
- Ehtiwesh I, Coelho M, Sousa A.C.M., Exergetic and environmental life cycle assessment analysis of concentrated solar power plants. Renewable and Sustainable Energy Reviews, 56, 2016, pp. 145-55. doi:10.1016/j.rser.2015.11.066.
- P.V. Durga Prasad, P.V., Gupta, A.V.S.S.K.S., Sreeramulu M., Sundar, L. S., Singh, M.K.., and Sousa, A.C.M., Experimental study of heat transfer and friction factor of Al203 nanofluid in U-tube heat exchanger with helical tape inserts, *Experimental Thermal and Fluid Science,* 62, 2015, 141–150.

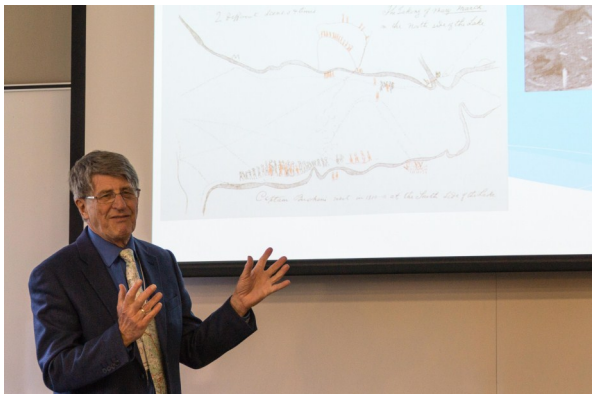
Professor Emeritus Antonio C.M. Sousa

Professor Emeritus Antonio C.M. Sousa was a Visiting Fellow at the Guangzhou Institute of Energy Conversion (Chinese Academy of Sciences) over the period February 1 to February 6, 2016.

For the full list of publications, please visit https://www.dropbox.com/sh/5sat3kpovjk4mes/AAApJjeySjAFcBvNv9wAZEXJa?dl=0

Will C. van den Hoonaard, Professor Emeritus

Professor Emeritus van den Hoonaard has authored six chapters in the fields of sociology, social cartography, and ethics in research. About mapping the Moon and Labrador, he published accounts of these achievements in two cartography journals. His work on ethics in research gained widespread attention through invitations to international symposia in California and New York City; for next year, Laval University has asked him to address its annual summer school on this topic, while a German conference in Berlin on social and economic data asked him to be a keynote speaker. The Annual Meetings of the Association of Canadian Map Librarians and Archivists, held at University of New Brunswick (June 2016) asked him to speak about his personal and social challenges about writing something new regarding his recent book on the history of women in cartography, *Map Worlds* which *The National Geographic* featured in 2014. More locally, the New Brunswick Branch of the Royal Astronomical Society of Canada, in November 2015, asked him to give a presentation, "Moonstruck: Cartographic Explorations of the Moon by Mary Adela Blagg (1858-1944) and Kira S. Shingareva (1938 -2013)." For the upcoming year, he is embarking on a new research venture, the historical and social contexts of colour blindness.



Will C. van den Hoonaard, presenting at the ACMLA —photo by Stéfano Biondo

For the full list of Professor van den Hoonaard's publications, please visit https://www.dropbox.com/sh/5sat3kpovjk4mes/AAApJjeySjAFcBvNv9wAZEXJa?dl=0

UNB Awards

Name	Award	Description
Amanda Rogers - Graduate Student	CIHR Master's Award / NANB Monnex Scholarship / NBHRF Scholarship / NBIF Scholarship / SGS Scholarship	Amanda's topic of interest involves exploring Maliseet women's knowledge and perspectives of heath and well-being, guided by an Indigenous methodology. Informed by qualitative methods, this research seeks to firmly establish Aboriginal women's epistemology of health and well-being, with the goal of informing and improving healthcare provision for Aboriginal women in New Brunswick.
Cynthia Wallace-Casey	Canadian Association for Foundations of Education Outstanding Dissertation Award	Deepening Historical Consciousness Through Museum Fieldwork: Implications
Dr. Emily Read	CIHR Institute Community Support Travel Award	Title: The value of relationships at work: Examining nurses' workplace social capital in hospital settings; Conference: The Canadian Health Workforce Conference, October 3-5, 2016 in Ottawa, Ontario
Dr. Janice Thompson	Fellow, American Academy of Nursing	This achievement is the one of highest honours in the profession for nurses in the United States. Inductees will be honoured at a ceremony to be held during the academy's annual policy conference, Transforming Health, Driving Policy, which will take place October 20-22, 2016 in Washington, D.C.
Dr. Sue O'Donnell	Harrison McCain Young Scholar	Workplace Bullying
Dr. Tracey Rickards	Embedded Clinician Researcher Salary Award	This award funding opportunity is a priority-driven initiative funded through CIHR's Roadmap Accelerator Fund. The RAF is intended to support transformative & impactful research that aligns with CIHR's Research Priorities and is multi-disciplinary in nature.
Rina Arseneault	Canadian Association of Social Workers Distinguished Service	Award presented by the New Brunswick Association of Social Workers.
W. Thom Workman	2016 Atlantic Book Award for Scholarly Writing	The award was established to recognize and promote literary achievement in the Social Sciences and Humanities fields – including, but not limited to, history, philosophy, religion, anthropology, regional studies, communication, cultural studies and linguistics – to be awarded each year in conjunction with the Atlantic Book Awards.
Patrick Bruning	European Academy of Management OB Special Interest Group Best Reviewer Award	Spring 2016
Jeffrey McNally	Faculty of Business Administration Excellence in Research Award	May 2016- Outstanding research performance over a six-year period at the University of New Brunswick, reflecting a substantial contribution in terms of influence and impact on the candidate's research field.
Jeffrey McNally	Citation of Excellence, Emerald Group Publishing Limited	Sept 2016—Awarded to Dr. McNally for being author of one of the most highly cited and highly influential papers published in 2012 relating to the areas of Business Management, Accounting, Economics and Marketing. "Examining the formation of human capital in Entrepreneurship: a meta-analysis of entrepreneurial education outcomes," *Journal of Business Venturing.*
Abdur Rahim	Industrial Engineering and Operations Management (IEOM) Society Ambassador Award	Awarded in September (2016) in recognitions and appreciation of dedicated support and service of the founding IEOM Society and its activities.
Gopalan Srinivasan	Industrial Engineering and Operations Management (IEOM) Society Distinguished Service Award	March 2016—In recognition and appreciation of dedication in education and distinguished service and support in industrial engineering and operations profession
Gopalan Srinivasan	Faculty of Business Administration Excellence in Research Award	May 2016- Outstanding research performance over a six-year period at the University of New Brunswick, reflecting a substantial contribution in terms of influence and impact on the candidate's research field.
Prof. Mark Anthony Jarman	New Brunswick Book Awards - Award shortlist	Finalist - *Knife Party at the Hotel Europa*
Professor Jarman	Alistair MacLeod Award- shortlist	Finalist for short fiction - *Knife Party at the Hotel Europa*
Prof. Mark Anthony Jarman	Thomas Raddall Prize in Fiction - Award shortlist	Finalist
Dr. Robert W. Gray	Thomas H. Raddall Atlantic Fiction Prize	Winner - for his book *Entropic*
Dr. Robert W. Gray	East Coast Book Award for Ficton - shortlist	Finalist - for his book *Entropic*
Dr. Robert W. Gray	Iris Prize Film Festival - shortlist	Finalist - for his short film *Choke Hold*
Dr. Robert W. Gray	Best LGBT Short Film - 2nd Place	2nd Place at the SENE Music/Art/Film Festival for *Choke Hold*
Dr. Robert W. Gray	4 awards - Silver Wave Film Festival	Best Screenplay, Best Actor, Best Editing, Best Cinematography for *Choke Hold*
Dr. John Ball	NotaBle Acts Playwriting Contest	Winner - Site-Specific Plays Category

UNB Grants (not recorded by ORS)

Name	Grant	Description
Caroline Brunelle	St Joseph's College, University of Alberta	The meaning and impact of a spirituality-based 12-step program for women in addiction recovery.
Catherine Holtmann and Rina Arseneault - MMFC	Community Action Fund of NB Women's Equality Branch	Funding for the 2015 MMFC Awareness Day: Including Immigrant Women in a Community Coordinated Response to Family Violence held in November.
Catherine Holtmann, Maria Costanza Torri and Tracey Rickards	Status of Women Canada	This 3 year project is led by the New Brunswick Multicultural Council in partnership with the Violence against Immigrant and Visible Minority Women research team at the Muriel McQueen Fergusson Centre for Family Violence Research. It is titled "Overcoming Structural and Systemic Barriers: A Coordinated Community Response to Domestic and Intimate Partner Violence Experienced by Immigrant Women in New Brunswick." The project includes partnership building, a needs assessment, the development of a Provincial Advisory Forum for immigrant women, and the piloting of a new collaborative intervention model in three communities in the province.
Dr. Kelly Scott-Storey	Public Health Agency of Canada Contract	Development of a Short Version Composite Abuse Scale for National Surveys. Project Team: Ford-Gilboe, M., Varcoe, C., Wathen, N., MacMillan, H., & Scott-Storey, K.
Dr. Lauren Cruikshank	Media Artist in Residence (2016-17)	Grant from Artsnb to fund Media Artist in Residence for the Dept. of Culture & Media Studies
Lisa Best	MindCare	Predicting Subjective Well-Being and Positive Mental Health: Links between Dispositional Traits, Situational Influences, and Addictive Behaviours
Lisa Best	Fund for Innovative Research (FIRE)	Life Satisfaction Following Traumatic Spinal Cord Injury induced Quadriplegia and Paraplegia: Comparing Society's Expectations to Patient reported Life Satisfa
Rina Arseneault, Miguel LeBlanc, Christian Whalen, Martine Paquet, Candace Pollack	Status of Women Canada	NB Association of Social Workers in partnership with the Muriel McQueen Fergusson Centre and the Office of the Child and Youth Advocate received a 2 year grant from Status of Women Canada to explore the types, causes, and impacts of cyberviolence in New Brunswick and the ways in which young women are being uniquely targeted.
Rina Arseneault, MMFC	Victims and Survivors of Crime Week 2016	Submitted by the Muriel McQueen Fergusson Centre in partnership with NBASW for their *project Rural Realities Faced by Service Providers when helping Women Survivors of Intimate Partner Violence (IPV) Navigate the Justice System*
Shelley Doucet	Royal Society of Canada Open Academy Program Grant	Breakfast chat on growing up with a complex health condition. This public outreach event will take place on Saturday, December 3rd, 2016 at 9 AM at the Marshlands Inn, Sackville, NB. Everyone is welcomed!
Shelley Doucet	CIHR SPOR Networks in Chronic Disease Grant	In March 2016 I partnered as a co-investigator with stakeholders across Canada to develop an innovative pan-Canadian network named CHILD-BRIGHT that aims to improve life outcomes for children with brain-based development disabilities and their families. The newly created network is one of five nationwide projects that are being funded by CIHR under their SPOR Networks in Chronic Disease program. Each network received a $12.5M grant over five years from CIHR that was equally matched by other funding partners, including $250,000 from NBHRF for the CHILD-BRIGHT project.
Violence against Immigrant and Visible Minority Women Research Team	Fergusson Foundation Grant	Speaking Out: Including Immigrant Women's Voices in a Collaborative Response to Family Violence
Dr. Len Falkenstein	City of Fredericton Community Funding Grant	Grant for Bard in the Barracks
Dr. Len Falkenstein	City of Fredericton Arts, Culture and Heritage Grant	Grant for Bard in the Barracks
Dr. Len Falkenstein	City of Fredericton Community Funding Grant	Grant for NotaBle Acts Theatre Festival
Dr. Len Falkenstein	City of Fredericton Arts, Culture and Heritage Grant	Grant for NotaBle Acts Theatre Festival
Dr. Len Falkenstein	Department of Canadian Heritage Building Communities through Arts and Heritage	Grant for NotaBle Acts Theatre Festival
Dr. Len Falkenstein	Arts NB Artist in Residence	Grant for NotaBle Acts Theatre Festival
Dr. Len Falkenstein	Province of NB Core Funding	Grant through the Dept. of Tourism, Heritage, & Culture for NotaBle Acts Theatre Festival
Dr. Len Falkenstein	Canada Council Project Grant	Grant for production of Lac/Athabasca in October 2015
Dr. Robert W. Gray	Arts NB Travel Grant	
Dr. Ross Leckie	Canada Council Annual Operating Grant	Grant for publication of *The Fiddlehead*
Dr. Ross Leckie	GNB Arts Branch Publications Operational Grant	
Dr. Triny Finlay	Canada Council Grant	Grant for readings by Visiting Canadian Authors

UNB Grants (recorded by ORS) ...page 1 of 8

Date range from October 1, 2015—September 30, 2016

Principal Investigator	Agency	Project Title/Description
Leblon Brigitte	A & L Canada Laboratories	Development of a Drone-Based Camera for Precision Agriculture
Arp Paul A.	AB Innovates	Development of the Next Generation of Wet Areas Mapping Model for the Oil Sands Region of Alberta
Duffy Michael	Atlantic Salmon Conservation Foundation	Identification of Ectoparasites Infecting Outer Bay of Fundy Atlantic Salmon
Linnansaari Tommi	Atlantic Salmon Conservation Foundation	Quantifying Striped Bass & Muskellunge Predation on Atlantic Salmon Smolts at the Base on the Mactaquac Dam, Saint John River, New Brunswick
Pulinilkunnil Thomas	Beatrice Hunter Cancer Research Institute	Jordan Bartlett
Reiman Anthony	Beatrice Hunter Cancer Research Institute	Studentship - Elise Sabine
Wilkins Krista	Beatrice Hunter Cancer Research Institute	Young Men, Cancer Treatment and Intimacy
Wilkins Krista	Beatrice Hunter Cancer Research Institute	Life After Childhood Cancer: The Partner's Lived Experience of Romantic Relationships with Adult Survivors of Childhood Cancer
Edwards Jonathon	Canada Immigration & Citizenship	The Hockey Conference: The Multiplicity of the Game
Balcom Bruce J.	Canada Research Chair	Materials Science Magnetic Resonance Imaging
Drira Mohamed	Canadian Academic Accounting Association	Impact of Auditor's Resignation on the Client's CEO Compensation and Turnover
McDonald Ted	Canadian Institutes of Health Research	Canadian Research Data Centre Network: Integrating New Initiatives for a Stronger Future
Murugesan Dr. Alli	Canadian Institutes of Health Research	TRPV6 Calcium Channel Peptide Antagonists as Novel Anti-Myeloma and Anti-Resorptive Agents
Olthuis Janine	Canadian Institutes of Health Research	Comparing the Efficacy of CBT for Anxiety Sensitivity to Disorder-Specific CBT in Reducing Mental Health Symptoms: a Randomized Controlled Trial
Peters Paul	Canadian Institutes of Health Research	Sub from U of Western: SPOR Network in Primary and Integrated Health Care Innovations
Rickards Tracey	Canadian Institutes of Health Research	Four-Year Embedded Clinician Research Program: Sealing the Cracks for Priority Populations with the Fredericton Downtown Community Health Centre
Patten Cheryl	Canadian Tree Fund	Development of Biocontrol Bacteria as a Nursery Treatment to Protect Young Trees From Fungal Pathogens
Benfey Tillmann J.	Department of Fisheries and Oceans	Recovery of Neural Function in Lobsters Following Sub-Lethal Salmosan® Exposure
Ni Yonghao	Domtar Inc.	Flow Characteristics of Chemical Pulp Suspension as Functions of Pulp Properties & Process
Holloway A. Gordon L.	Forest Protection Ltd.	Pesticide Spray Modelling to Include Spray Evaporation Rates and Droplet Penetration Through Temperature Inversions Using CFD
Preston Scott	Fredericton Community Foundation	Fredericton Community Collaboration Initiative - Phase 2
Cwynar Les C.	Fredrik & Catherine Eaton	The Use of Microtephras in Atlantic Canada
Kucerovsky Dan	Fredrik & Catherine Eaton	Visiting Research Professor (VRP) Position at Queen's University at Belfast
Monk Wendy	Grand Lake Meadows	Novel Techniques to Detect Species-at-Risk and Assess Their Role in Aquatic Communities
Stefanakis Emmanuel	Grand Lake Meadows	Impact of Flood Waters on Grand Lake Meadows Ecosystem. Past and Present.
Bouchard Danielle	Harrison McCain Foundation	Aerobic Intensity While Participating in Walking Groups for Older Adults

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Principal Investigator	Agency	Project Title/Description
Dewar Robert Keith	Harrison McCain Foundation	Holar University College, Iceland
Fury Cheryl	Harrison McCain Foundation	The Social History of English Seamen, vol. II, 1649-1815
Hamilton Ryan	Harrison McCain Foundation	Running Forward - a Supportive Program for Cancer Survivors
Hamling Anna	Harrison McCain Foundation	Religijne eseje Lwa N Tolstoja i Miguela de Unamuno
Hamm Lyle	Harrison McCain Foundation	The Impact and Implications of Immigration and Demographic Changes on Educators and Students in a New Brunswick High School Context: Leadership for Peace Building
Houlahan Jeff	Harrison McCain Foundation	University of Ottawa
Hrynick Martin Gabriel	Harrison McCain Foundation	Archaeological Investigation of the Eroding Maine Coast
Ignaszak Anna	Harrison McCain Foundation	Bipolar Electro-Grafting Approach Towards the Synthesis of Carbon-Polymer Ultra-Capacitive Materials for Electrical Energy Storage
Kiani Amirkianoosh	Harrison McCain Foundation	Electro-Spun Nanofibers for Better Fixation of Artificial Implants to Bone
Kidd Karen	Harrison McCain Foundation	John Gunn, Vale Living with Lakes Centre, Laurentian University
Olthuis Janine	Harrison McCain Foundation	Comparing the Efficacy of CBT for Anxiety Sensitivity to Disorder-Specific CBT in Reducing Mental Health Symptoms: a Randomized Controlled Trial
Ray Suprio	Harrison McCain Foundation	Scalable Big Data Systems for Spatial, Spatiotemporal and Graph Data Management
Senechal Martin	Harrison McCain Foundation	Plasma Irisin Secretion in Youth: Is Exercise Intensity Important?
Young Hilary	Harrison McCain Foundation	Defamation Law Reform for the 21st Century: Publication and Damages
Valentine Kathleen	Human Resources & Social Development Canada	Seniors Improving Senior Care: A Forum on Primary Health Care
Arseneault Rina	Justice Canada	Helping Women Survivors of Intimate Partner Violence
Arseneault Rina	Muriel McQueen Fergusson Foundation Inc.	Intergenerational Dialogue on Cyberviolence
Sensinger Jon	National Institute of Health	Sub from Cleveland Clinic Foundation: Restoring Upper Limb Movement Sense to Amputees: a Move Towards Natural Control of Prosthetic Limbs
Adam Allan G.	Natural Sciences and Engineering Research Council	High Resolution Laser Spectroscopy of Small Gas-Phase Metal-Containing Molecules
Albert Wayne J.	Natural Sciences and Engineering Research Council	Manual Material Handling Performance and Fatigue
Chang Liuchen	Natural Sciences and Engineering Research Council	Direct Load Control for Alternative Power System Resources
Chopin Thierry B.R.	Natural Sciences and Engineering Research Council	Developing the Seaweed and Plant Components of Integrated Multi-Trophic Aquaculture and Aquaponics and their Applications Within a Biorefinery Approach
Colpitts Bruce G.	Natural Sciences and Engineering Research Council	Harmonic Radar Systems for Insect Tracking
Culp Joseph	Natural Sciences and Engineering Research Council	Development of Functional Trait Measures for Assessing Stream Ecosystem State
Cwynar Les C.	Natural Sciences and Engineering Research Council	Paleosymmetry: Tipping Points and the Dynamics of Range Contractions
Dare Peter	Natural Sciences and Engineering Research Council	Advances in Terrestrial Scanning

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Principal Investigator	Agency	Project Title/Description
Diduch Chris	Natural Sciences and Engineering Research Council	Design of a 100W 4-Quadrant Pulse Width Modulation Inverter for a Wind-Diesel Systems
Diduch Chris	Natural Sciences and Engineering Research Council	Worlds UNBound
Du Weichang	Natural Sciences and Engineering Research Council	Semantics Based Text Matching for Unstructured Text Documents
Dubay Rickey	Natural Sciences and Engineering Research Council	Using Image Feedback for Robotic Control
Dyker Adam	Natural Sciences and Engineering Research Council	Ylidic Substituents for Electron Rich Organic Materials with Synthetic and Energy Storage Applications
Eic Mladen	Natural Sciences and Engineering Research Council	Fast Screening of Adsorbents: From Equilibrium and Kinetics to Bench Scale Process Tests
Hamza Abdelhaq M.	Natural Sciences and Engineering Research Council	Ionospheric Turbulence, Scintillations and Space Weather Forecast
Holloway A. Gordon L.	Natural Sciences and Engineering Research Council	Droplet Transport in Flow Turbulence
Ignaszak Anna	Natural Sciences and Engineering Research Council	Electrochemical Sensing Probe for Chemical Oxygen Demand (COD) Assay in Waste Water Molecular-Scale Particle Design, Electrode Engineering and System Integration
Kershaw John A.	Natural Sciences and Engineering Research Council	Copulas as a Link for Modeling Stand Structure and Development
Kucerovsky Dan	Natural Sciences and Engineering Research Council	Expanding the Boundaries of the Elliott Classification Program: Quantum Groups and Quaternions
Kuruganti Usha	Natural Sciences and Engineering Research Council	
Leblon Brigitte	Natural Sciences and Engineering Research Council	Development of a Drone-Based Camera for Precision Agriculture
Li Kecheng	Natural Sciences and Engineering Research Council	Biotechnologies for Mechanical Pulp Bleaching
MacQuarrie Kerry	Natural Sciences and Engineering Research Council	Improving Our Understanding and Predictions of the Impacts of Groundwater Extraction on Small Streams
McFarlane Christopher	Natural Sciences and Engineering Research Council	Development of In-Situ Geochronology Methods with Applications to Ore Deposits
Mohammadi Mohsen	Natural Sciences and Engineering Research Council	Sustainable Lightweighting Strategies: Long Fiber Reinforced Thermoplastic Composites for Structural Automotive Applications
Ni Yonghao	Natural Sciences and Engineering Research Council	Flow Characteristics of Chemical Pulp Suspension as Functions of Pulp Properties & Process
Ni Yonghao	Natural Sciences and Engineering Research Council	Development of New Technologies for the Pulp and Paper Industry
Oh Won Taek	Natural Sciences and Engineering Research Council	Tools for Estimation of the Stability of Unsupported Trenches Extending the Mechanics of Unsaturated Soils
Patten Cheryl	Natural Sciences and Engineering Research Council	Molecular Mechanisms of Plant Growth-Promotion by Beneficial Soil Bacteria
Pavey Scott	Natural Sciences and Engineering Research Council	Functional Ecology of Genes in Fisheries Conservation
Pavey Scott	Natural Sciences and Engineering Research Council	Ecoinformatics Data Integration

UNB Grants (recorded by ORS) ...page 4 of 8

Principal Investigator	Agency	Project Title/Description
Pavey Scott	Natural Sciences and Engineering Research Council	Genomics of American Eel Aquaculture
Rahim Abdur	Natural Sciences and Engineering Research Council	Integrated Optimization Modelling in Quality Control, Production Planning, Inventory Control and Maintenance
Ray Suprio	Natural Sciences and Engineering Research Council	High Performance Big Data Systems for Spatial, Spatio-Temporal and Graph Data Management
Romero-Zeron Laura	Natural Sciences and Engineering Research Council	Recovery of Lignosulfonate and Sugars from AV Cell Inc. Spent Liquors as Additives in the Production of Self-Assembling Polymeric Systems for Enhanced Oil Recovery (EOR)
Spray John G.	Natural Sciences and Engineering Research Council	Shock-Related Processes in Planetary Materials: Earth and Beyond
Stakhanova Natalia	Natural Sciences and Engineering Research Council	Security-Oriented Cross-Correlation Analysis of Log Data
Stakhanova Natalia	Natural Sciences and Engineering Research Council	Security Analysis of Contactless Smart Card Technology on Android Platform
Stewart Connie	Natural Sciences and Engineering Research Council	Sub from Dalhousie: UNB Student Stipend
Thomas Michael	Natural Sciences and Engineering Research Council	Concrete Durability: Linking Material Properties and Field Performance
Wachowicz Monica	Natural Sciences and Engineering Research Council	Playful Planning: Citizens Making Sense of Transit Systems and Impacts
Xiao Huining	Natural Sciences and Engineering Research Council	Responsive and Cellulose-Fibre Based Absorbents for Water Clarification and Disinfection
Yan Guohua	Natural Sciences and Engineering Research Council	Statistical Inference in Zero-Related Random Effects Models with Missing Data
Zhang Yun	Natural Sciences and Engineering Research Council	Improving the Quality and Spatial Resolution of Super-Spectral and Hyper-Spectral Images Through Sensor Fusion
Lentz David	NB Department of Natural Resources & Energy	Precious Metal Geometallurgical Analysis of Base-Metal Deposits in the Northern Part of the Bathurst Mining Camp
Bouchard Danielle	NB Health Research Foundation	Novel Protein Supplement to Improve Physical Capacity of Older Adults
Bouchard Danielle	NB Health Research Foundation	Novel Strategy to Reach the National Physical Activity Guidelines in Canadian Obese Adults: a Pilot Study
Bouchard Danielle	NB Health Research Foundation	Based Elastic Band Exercise Programs for Older Adults with Complex Needs Living in a Long Care Facility
Byers Sandra	NB Health Research Foundation	Factors Affecting Sexual Well-Being in Men and Women with Fibromyalgia
Doucet Shelley	NB Health Research Foundation	Sub from McGill: CIHR SPOR Network: CHILD BRIGHT
Doucet Shelley	NB Health Research Foundation	Key Stakeholder Perspectives on the Care of Children with Complex Health Conditions in New Brunswick
Eisler Sara	NB Health Research Foundation	Targeted Drug Delivery and Release: Multi-Functional Small Molecule Vectors
McDonald Ted	NB Health Research Foundation	New Brunswick Chronic Obstructive Pulmonary Disease (COPD) Health Information Platform
McGibbon Chris	NB Health Research Foundation	Polypharmacy App to Reduce Falls in Seniors
Peters Paul	NB Health Research Foundation	Small Area Rate Variation of Chronic Disease in New Brunswick
Peters Paul	NB Health Research Foundation	Sub from U of Western: SPOR Network in Primary and Integrated Health Care Innovations
Pulinilkunnil Thomas	NB Health Research Foundation	Role of Lysosome Nutrient Sensor Transcription Factor EB in Breast Cancer Development

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Principal Investigator	Agency	Project Title/Description
Pulinilkunnil Thomas	NB Health Research Foundation	Role of the Lysosome Nutrient Sensor Transcription Factor EB in Diabetic Heart Disease
Pulinilkunnil Thomas	NB Health Research Foundation	Role of Amino Acid Metabolizing Enzymes in Insulin Resistance
Rickards Tracey	NB Health Research Foundation	Four-Year Embedded Clinician Research Program: Sealing the Cracks for Priority Populations with the Fredericton Downtown Community Health Centre
Scheme Erik	NB Health Research Foundation	On the Signal to Noise Ration of Electromyography
Senechal Martin	NB Health Research Foundation	Does Physical Literacy Associated with Childhood Obesity, Fitness and Physical Activity Levels Among Children in New Brunswick
Senechal Martin	NB Health Research Foundation	Impact of Strength Training on Energy Expenditure in Obese Adults
Sensinger Jon	NB Health Research Foundation	Development of Low-Level Exoskeleton Controller
Wilkins Krista	NB Health Research Foundation	Young Men, Cancer Treatment and Intimacy
Wilkins Krista	NB Health Research Foundation	Life After Childhood Cancer: The Partner's Lived Experience of Romantic Relationships with Adult Survivors of Childhood Cancer
Arjomandi Kaveh	NB Innovation Foundation	Improved Connections for Steel Structures
Bateman Scott	NB Innovation Foundation	IVF Voucher - Remsoft Inc
Brunt Keith	NB Innovation Foundation	Synthesis of a pH-Sensitive Lipid Nanocarrier Technology for Drug Delivery
Chopin Thierry B.R.	NB Innovation Foundation	Understanding the Microbial Link of Freshwater Integrated Multi-Trophic Aquaculture (FIMTA) Systems
Chui Ying Hei	NB Innovation Foundation	Massive Timber Panel
Cook C. Paul	NB Innovation Foundation	Automating Dictionary Construction for Better Natural Language Processing
Curry Allen	NB Innovation Foundation	Mactaquac Aquatic Ecosystem Study: a Pending Decision for the Mactaquac Dam
Domene Jose	NB Innovation Foundation	Facilitating the Career Development of International Students' Accompanying Spouses (Year 2)
Dubay Rickey	NB Innovation Foundation	Smart Sensor System for Energy Monitoring and Efficiency in Plastics Packaging - Phase II
Dubay Rickey	NB Innovation Foundation	CA-CAN (Control Ant, Control Ant Nest) Development for Advanced Controls in Industry
Eisler Sara	NB Innovation Foundation	Synthesizing Complex Conjugated Molecular Materials
Emery Herbert	NB Innovation Foundation	Professor - Vaughan Chair in Regional Economics - Dr. Herbert Emery
Gray Christopher	NB Innovation Foundation	Natural Products from New Brunswick Medicinal Plants and Endophytic Fungi as Anticancer drugs
Jayachandran P.T.	NB Innovation Foundation	Development and testing of High-Frequency (HF) communication protocol/system for the Canadian Arctic
Jeans Tiger	NB Innovation Foundation	Computational Investigation of the Effects of Environmental Turbulence on Shrouded Tidal Turbine Performance
Jeans Tiger	NB Innovation Foundation	Unsteady Turbulent Flow Simulations of Underwater Vehicles in Extreme Manoeuvres
Kent Kenneth	NB Innovation Foundation	Non-Uniform Memory Architecture Garbage Collection
Kent Kenneth	NB Innovation Foundation	Sub from Queen's (CFI Portion): Platform for Advanced Design Leading to Manufacturing in Micro-NaNo Technologies (ADEPT)
Kiani Amirkianoosh	NB Innovation Foundation	Electrospun Fibres for Artificial Cartilage and Better Fixation of Implant to Bone
Kiani Amirkianoosh	NB Innovation Foundation	Novel Antibacterial Nano-Biomaterials for Biomedical Devices Manufacturing
Li Howard	NB Innovation Foundation	Autonomous Unmanned Aerial Vehicles for Maritime Applications
Lloyd Alan	NB Innovation Foundation	Dynamic Material Properties of Concrete and Fibre-Reinforced Polymers Under Impact and Blast Loads

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Principal Investigator	Agency	Project Title/Description
Losier Yves	NB Innovation Foundation	Innovation Voucher Fund Agreement - Quality Engineered Solutions (QES)
Losier Yves	NB Innovation Foundation	IVF Voucher - QES (2016)
Lu Rongxing	NB Innovation Foundation	Dr. Rongxing Lu - Faculty of Computer Science
Mohammadi Mohsen	NB Innovation Foundation	Manufacturing Efficient Composite Battery Tray for Electric Cars
Mohammadi Mohsen	NB Innovation Foundation	Sustainable Additive Manufacturing Techniques to Develop Lighter Yet Stronger Metal 3D Printed Products Using Multiscale Modeling and Materials Characterizations
Ni Yonghao	NB Innovation Foundation	Biotech Applied to Cellulose Industry
Ni Yonghao	NB Innovation Foundation	Chemical Inventory Tracking and Monitoring System
Pulinilkunnil Thomas	NB Innovation Foundation	Development of a Zebrafish Cardiac Model to Enable High Throughput Examination of Exposure to Environmental Pollutants and Biomedical Toxins on Cardiac Functionality
Saha Gobinda	NB Innovation Foundation	Development of Multifunctional Materials and Coatings By Cost-Effective Advanced Sol-Gel Processes for Water Purification Systems
Saha Gobinda	NB Innovation Foundation	Development and Application of HVOF Thermal Sprayed Nanostructural Composite Coatings for NB Wood-Processing Industry
Scheme Erik	NB Innovation Foundation	Innovation Voucher Fund Agreement - Smart Pods Inc.
Scheme Erik	NB Innovation Foundation	Innovation Voucher Fund Agreement - Inflection Point Health Care Inc
Scheme Erik	NB Innovation Foundation	Intelligent Rehabilitative Devices
Shukla Dhirendra	NB Innovation Foundation	IVF - Symplicity Organizational Designs (Atlantic Canada) Inc.
Singh Kripa	NB Innovation Foundation	Development of Anaerobic Membrane Bioreactor with External Tubular Membrane for Bioenergy from Industrial Wastes
Speers-Roesch Ben	NB Innovation Foundation	Assistant Professor - Marine Biology - Dr. Ben Speers-Roesch
Spray John G.	NB Innovation Foundation	Advanced Armour Development for Defeating Multi-Hit Impact Threats
Stakhanova Natalia	NB Innovation Foundation	Security Module for Identity and Access Management Platform
Stakhanova Natalia	NB Innovation Foundation	CyberGlitz: Introduction to Programming
Wachowicz Monica	NB Innovation Foundation	Design of New Mobile Applications for the Internet of Things
Xiao Huining	NB Innovation Foundation	Antibacterial Cellulose Nanofibres and Biocomposites Prepared by Electrospinning and Extrusion
Couturier Michel F.	Networks of Centers of Excellence	Optimization and Control of Ozone Use Within Recirculating Aquaculture Systems
Dubay Rickey	Networks of Centers of Excellence	Intelligent Control Strategies for the Industrial Internet - Phase II
Dubay Rickey	Networks of Centers of Excellence	Production Line Packaging Sensor Validation & Optimization
Dueck Gerhard	Networks of Centers of Excellence	Improving the Performance of Java Virtual Machine (JVM) Garbage Collection Using Transactional Memory
Eic Mladen	Networks of Centers of Excellence	Fast Screening of Adsorbents for Gas Separation of Commercial Interest
Ghorbani Ali	Networks of Centers of Excellence	Network Traffic Profiling for Generating Intrusion Detection Evaluation Datasets
Hall Joseph	Networks of Centers of Excellence	Multi-Point Shear-Stress Measurements on an Impulsively Started Cylinder
Kent Kenneth	Networks of Centers of Excellence	Integration of Social Media Tools into Students Centred Virtual Learning Management System
LaRocque Armand	Networks of Centers of Excellence	Use of Satellite Imagery to Map Seagrass Beds in Shallow Coastal Waters Across Atlantic Canada
Leblon Brigitte	Networks of Centers of Excellence	Developing a UAV-base Camera for Precision Agriculture
McCloskey Rose	Networks of Centers of Excellence	CFN 2016 Interdisciplinary Fellowship Program - Emily MacDonald

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Principal Investigator	Agency	Project Title/Description
Shukla Dhirendra	Networks of Centers of Excellence	SIEMENS Perceived Value of Energy Consumers Project: Research & Development for Modeling the Perceived Value of Energy Consumers
Mullally Sasha	NS Heath Research Foundation	Therapeutic Craft in the Sanatoria: Creativity, Productivity and Early Occupational Therapy, 1909-1919
Chang Liuchen	Siemens Canada	Direct Load Control for Alternative Power System Resources
Bruning Patrick	Social Sciences and Humanities Research Council	Developing Innovation through Job Crafting: A Scale Development and Intervention
Campbell Mary Ann	Social Sciences and Humanities Research Council	Uncovering the Criminal Desistance Process in High Risk, Persistent Offenders
Domene Jose	Social Sciences and Humanities Research Council	Atlantic Education Graduate Student Conference 2016
Domene Jose	Social Sciences and Humanities Research Council	Career Adaptability in Accompanying Partners of International Students
Hindmarch Suzanne	Social Sciences and Humanities Research Council	The Politics of Pathogens: State Sovereignty, Global Cooperation and Antimicrobial Resistance
Hofmann David	Social Sciences and Humanities Research Council	Sub from UBC: How "Alone" Are Lone-Wolves?: Understanding Networks of Influence, Communication, and Tactical Support Among Lone-Wolf Terrorists
Holtmann Catherine	Social Sciences and Humanities Research Council	When Prayers are Not Enough; Religion, Gender and Family Violence
Kress-White Margaret	Social Sciences and Humanities Research Council	Preserving Sacred Landscapes: The Reawakening of Blood Memory as Justice
McDonald Ted	Social Sciences and Humanities Research Council	Canadian Research Data Centre Network: Integrating New Initiatives for a Stronger Future
Perley David	Social Sciences and Humanities Research Council	Supporting Indigenous Resurgence with Digital Technologies
Poulin Carmen	Social Sciences and Humanities Research Council	Sub from Laurentian: Life Stories of Elder Elders in New Brunswick: Tales of Resilience, Identity and Longevity
Richard Chantal	Social Sciences and Humanities Research Council	Sub from U de Moncton: Édition critique des oeuvres fondamentales de la literature acadienne
Scott Amy	Social Sciences and Humanities Research Council	The Subtleties of Stress: Using Biochemical Signatures in Archaeological Bone to Assess Health in Past Populations
Sloat Elizabeth A.	Social Sciences and Humanities Research Council	Assessing the Effects of an Animated Book Reading Intervention Program
Snook Edith	Social Sciences and Humanities Research Council	Early Modern Maritime Recipes
Todd Lisa	Social Sciences and Humanities Research Council	Racial Citizenship: Miscegenation, Scientific Authority and the Creation of Intimate "Others" in Modern Germany, 1880-1950
White Melissa	Social Sciences and Humanities Research Council	Transnational Academics in Canada: an Exploration of Experience
Young Hilary	Social Sciences and Humanities Research Council	"Publishing" Defamation in the Internet Age
Zheng Ying	Springboard Atlantic	Upgrade of Heavy Petroleum Oil Using Organic Matter without the Presence of Hydrogen Gas
Holtmann Catherine	St. Dunstan's Roman Catholic Church	When Prayers are Not Enough; Religion, Gender and Family Violence
Reiman Anthony	Terry Fox Research Institute	M4 Project
Byers Terri	University of New Brunswick	What Do Sport Organizations Do to Increase Participation and Why?

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Principal Investigator	Agency	Project Title/Description
Cruikshank Lauren	University of New Brunswick	Diversifying Game Design in Atlantic Canada
Dafnos Tia	University of New Brunswick	Mapping the New Brunswick Critical Infrastructure-National Security Landscape
Eisler Sara	University of New Brunswick	Synthesizing Complex Conjugated Molecular Materials
Gray Michelle	University of New Brunswick	Dispersion, Distribution and Population Assessment of Slimy Sculpin in New Brunswick
Hirschkorn Mark	University of New Brunswick	Preparing Canadian Teachers for the World
Hodgins Marilyn	University of New Brunswick	Establishing Feasibility of Protocol for an Investigation of Factors Affecting Hospital Re-Entry by Recently Discharged Patients
Holtmann Catherine	University of New Brunswick	When Prayers are Not Enough; Religion, Gender and Family Violence
Ignaszak Anna	University of New Brunswick	Polymer-Carbon Capacitive Inter-Phase: Ion Dynamics and Stability of the Nanocomposite Electrode
Leonard Philip	University of New Brunswick	Impacts of Doctor's Experience on Surgical Outcomes
Li Kecheng	University of New Brunswick	Innovative Cellulose Nanofibers and High-Tech Bio-Composites
Lin Hsin-Chen	University of New Brunswick	An Examination of the Effects of Online Marketing Activities on Brand Equity
Linnansaari Tommi	University of New Brunswick	The Efficacy of Using Aquaculture to Mitigate Environmental Impacts Associated with Native Atlantic Salmon Populations
MacLellan Shawn	University of New Brunswick	The Study of a Structurally Unique Sigma (σ) Factor from the Plant Growth-Stimulating Bacterium Pseudomonas Syringae
Major Heather	University of New Brunswick	Migration Ecology of Scoters and Loons in the Bay of Fundy
McCloskey Rose	University of New Brunswick	Identifying the Needs of the Hidden Patient
Mohammadi Mohsen	University of New Brunswick	Developing the Next Generation of Micro-Architectured Materials Using 3D Printing of Metals
Olthuis Janine	University of New Brunswick	Learn to Run for Anxiety: A Randomized Controlled Trial of a Short-Term, Accessible Physical Exercise Intervention for Clinical Anxiety
Perunovic Elaine	University of New Brunswick	An Investigation of the Psychological Experience of Bicultural East-Asian Canadians in Atlantic Canada
Ray Suprio	University of New Brunswick	High Performance Big Data Systems Infrastructure and Scalable Analytics for Smart Grid and the Internet of Things (IoT)
Rickards Tracey	University of New Brunswick	Evaluation of Nurse Practitioner Outcomes in New Brunswick
Rochette Rémy	University of New Brunswick	Impact of Open-Pen Salmon Aquaculture on American Lobster and Biodiversity in Shallow Coastal Benthic Habitats of Southwest Bay of Fundy
Rochette Rémy	University of New Brunswick	University Research Scholar 2016 - 2018
Saha Gobinda	University of New Brunswick	Development of Nanostructured Cement Composites and Cold Spray Coatings
Theriault Luc	University of New Brunswick	Immigration as seen from the perspective of employers in New Brunswick
White Melissa	University of New Brunswick	Transnational Academics: Voices from Atlantic Canada
Windsor Lee	US Department of State	The Canadian Army and the Human Dimension of Warfare, Annual Conference of the University of New Brunswick's Gregg Centre for the Study of War and Society

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