

Welcome to the new Vice-President (Research) and Office of Research Services newsletter - Research Matters. For the first issue, we are catching up on the exciting awards and projects received by the University of New Brunswick researchers, from May 1st, 2014 to September 30th, 2015. The newsletter will be published four times a year: Fall, Fiscal Year-in-Review (January), Winter, and Spring.

## Research Success Stories

### Transatlantic graduate program wins innovation award (Posted by UNB on 4/14/14)

The University of New Brunswick's TRANSatlantic FORestry Masters (TRANSFOR-M) program, a two-year master's program leading to dual degrees in forestry and environmental management, recently won an Award for Excellence and Innovation in Graduate Education from the Northeastern Association of Graduate Schools (NAGS) and Educational Testing Service (ETS).

The TRANSFOR-M program is the first dual-degree master's program in forestry and environmental management between Canada and Europe. TRANSFOR-M is a unique graduate program through which master's students can study forestry and environmental management based on a selection of 15 graduate programs across seven partner institutions:

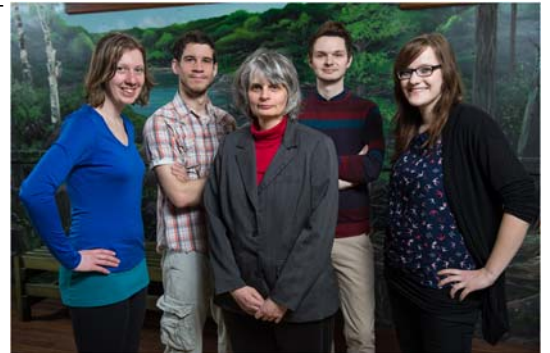
- University of New Brunswick (Canadian leader)
- University of Alberta
- University of British Columbia
- Albert-Ludwigs-Universität Freiburg (Germany) (European Leader)
- Bangor University (Wales)
- University of Eastern Finland (Finland)
- Swedish University of Agricultural Sciences (Sweden)

The cross-cultural aspects of TRANSFOR-M, including cultural immersion, language training, international study, field courses and working experiences through internships provide uncommonly valuable experiences and are highly attractive to students.

Professor Brigitte Leblon, Canadian director of the TRANSFOR-M program, says that UNB's involvement in the TRANSFOR-M program draws additional graduate students to the university.

Applicants to the TRANSFOR-M program are selected based on their GPA and extracurricular activities. UNB internally selects its students, and liaison officers from the seven partner universities decide which institutions the students will attend. "The master's program is customized for each student," says Professor Leblon. "This is a great international opportunity for students to earn two degrees at the same time on both sides of the Atlantic Ocean."

For additional information, please contact Professor Brigitte Leblon ([bleblon@unb.ca](mailto:bleblon@unb.ca)).



Prof. Brigitte Leblon with TRANSFOR-M students from Canada, UK and Germany

### Third Asia Pacific International Conference

Dr. Catherine Aquino-Russell from the Faculty of Nursing presented a Keynote address at the Third Asia Pacific International Conference on Qualitative Research in Nursing, Midwifery and Health in Newcastle Australia on October 3<sup>rd</sup>, 2014. The title of the keynote presentation was: "Enhancing Understanding of Persons' Lived Experiences as Viewed through the Lens of Humanbecoming". This was a culmination of the findings of a number of her research studies which was presented utilizing the artistic mediums of: painting, poetry, drama, photography, music, and dance.



Dr. Catherine Aquino-Russell

## Research Success Stories...continued

### Gender Differences in School Achievement published in Psychological Bulletin

Dr. Daniel Voyer of the Department of Psychology was lead author on a paper on gender differences in school achievement published in *Psychological Bulletin* (the flagship journal of the American Psychological Association, top in psychology) in May 2014. This article received international attention. That is, it was mentioned in over 60 newspapers and magazines as well as on numerous TV shows and radio broadcasts internationally, including a feature article in *Time* magazine.

### Director of Drama at UNB Fredericton (wins the Dorothy White Award in Ottawa Little Theatre's 74th National One-Act Playwriting Competition and is awarded second prize in the Herman Voaden National Playwriting Competition"

Professor Len Falkenstein from the Department of English, received the Dorothy White Award in the spring of 2015 for his play, *Lac/Athabasca*. The play, which premiered in Vancouver in 2014, explores the impact of the oil industry on Canada's people and its environment. "Weaving together strands of the past and present, the personal and the political and the mythic and the mundane, Falkenstein has created a cultural and "geographic" tapestry of our Canadian landscape that is both terrifying and hopeful," says adjudicator Iris Turcott. Forty-five entries were submitted from eight different provinces. Winners were chosen through a double blind adjudication contest, with all of the plays submitted under pen names.

Shortly after, *Lac/Athabasca* was awarded second prize in the Herman Voaden National Playwriting Competition. Professor Falkenstein's play also was selected to be part of the Toronto Summerworks' Theatre Festival where it received rave reviews, including being selected by *NOW* Magazine as one of its "Best of the Fest" and for "Best Ensemble." Congratulations to Len on garnering national recognition for UNB and our acclaimed Drama and Creative Writing programs!



*The Production of Lac/Athabasca*

### CHIR Institute of Gender and Health—Men are Bullied too

The video link for Dr. Sue O'Donnell's (Faculty of Nursing), *Men are Bullied too*, was included in the Institute of Gender Health eNews (Edition 5, November 2014) [Watch the video](#)

It is also located on the following website: <http://www.workplacebullying.org/men/>

Dr. Sue O'Donnell was also the first CETL Visiting Scholar for the months of May and June, 2015

### New Research Partnership

Dr. Krista Wilkins from the Faculty of Nursing is Collaborating (as co-curator!) with the Fredericton Region Museum to create a cancer experience exhibit that will be launched at the Museum in the fall of 2015. This exhibit will feature photographs and stories from the cancer survivors who participated in her research project on the lived experience of having multiple cancer diagnoses. This exhibit will include submissions from the public about their cancer experience (see call for submissions: <https://frederictonregionmuseum.wordpress.com/programs/cancer-exhibit-submissions/>).

Dr. Krista Wilkins was Profiled: Nurse-to-Know in the Spring 2015 edition of *Canadian Oncology Nursing Journal*.



*Dr. Krista Wilkins*

### Dr. Tracey Rickards & Dr. Donna Bulman, Faculty of Nursing

2015: Dr. Tracey Rickards has recently been elected as Secretary of the Canadian Association of Nurses in AIDS Care (CANAC). Dr. Donna Bulman has also been elected to the Board of CANAC as the Atlantic Canadian Representative.

### Sensing The World

The article "Sensing the world" appeared in the Pan European Networks Science & Technology Magazine March 2014. The article summarizes various research projects with the Faculty of Forestry and Environmental Management at UNB, including: 1) Wood sensing project on the test of ground-penetrating radar, near-infrared and magnetic resonance sensors for log moisture and density estimation; 2) Use of RADARSAT-2 images for wetland mapping in NB; and 3) Use of RADARSAT-2 polarimetric SAR images for fire danger monitoring.

To see the full article online, please visit <http://www.paneuropeannetworkspublications.com/ST10/#310>

## Research Success Stories...continued

### Certificate from the European Space Agency

The global navigation satellite systems research group in the Department of Geodesy and Geomatics Engineering's Geodetic Research Laboratory has received a certificate from the European Space Agency for its pioneering work with the Galileo In-Orbit Validation satellites. (<http://www2.unb.ca/gge/News/2014/2014.html#ESA>)

### Awarding by the Natural Sciences and Engineering Council

The federal Minister of State for Science and Technology, Ed Holder, visited the University of New Brunswick on 28 July to announce the awarding by the Natural Sciences and Engineering Council of \$2.4 million to 28 UNB researchers. ... A highlight of the visit was a tour of the Department of Geodesy and Geomatics Engineering to see the work of Prof. Richard Langley and his students. Prof. Langley received NSERC funding in the latest competition to support the work of his group in improving augmented multi-constellation satellite-based precise positioning in a wide range of environments. (<http://www2.unb.ca/gge/News/2014/2014.html#Holder>)

### Study of Atmospheric 'Froth'

Study of Atmospheric 'Froth' May Help GPS Communications Researchers at NASA's Jet Propulsion Laboratory, Pasadena, California, in collaboration with the University of New Brunswick in Canada, are studying irregularities in the ionosphere, a part of the atmosphere centered about 217 miles (350 kilometers) above the ground that defines the boundary between Earth and space. The ionosphere is a shell of charged particles (electrons and ions), called plasma, that is produced by solar radiation and energetic particle impact. (<http://www.jpl.nasa.gov/news/news.php?feature=4493>)

### First three-dimensional survey of Kings Landing Historical Settlement

During the summer and fall of 2014, a team of researchers from the Department of Geodesy and Geomatics Engineering at UNB carried out the first three-dimensional survey of Kings Landing Historical Settlement, a living history museum just a few kilometers from Fredericton. Using state-of-the-art laser mapping equipment recently purchased by the department and a couple of GPS receivers, the team has produced highly detailed three-dimensional images of part of the settlement, together with fly-throughs of selected areas. (<http://www2.unb.ca/gge/News/2015/2015.html#3D>)

### NASA Project

"Multi-GNSS Radio Occultation Algorithm Development for Investigating Ionospheric Irregularities in Combination With Ground-Based GNSS Networks", submitted by Dr. Yu (Jade) Morton, Colorado State University, Fort Collins, Colorado, to the NASA's Science Mission Directorate's Earth Science Division, in response to NASA Research Announcement (NRA) NNH14ZDA001N, Research Opportunities in Space and Earth Science (ROSES-2014), Program Element A.26: GNSS Remote Sensing Science Team. NASA received a total of 30 proposals in response to this NRA and selected 10. A peer review panel evaluated all received proposals in terms of their intrinsic merit, relevance, and responsiveness to Earth Science goals and objectives, as well as realism of cost. Dr. Morton's proposal was one of the 10 accepted. Prof. Richard Langley and Adj. Prof. Attila Komjathy are both on the science team of this project.

### Publications—Dr. Louis Belanger:

« La croisée de destins dans le Montréal de Jean-Simon Desrochers », *Littératures québécoise et acadienne contemporaines. Au prisme de la ville*, sous la direction de Anne-Yvonne Julien, France, Presses Universitaires de Rennes, coll. «Pluria!», no 22, 2014, pp. 243-253.

### Publications—Dr. Sandra Bell

Reviewer of article "The Transfer of Learning Associated with Audio Feedback on Written Work" in *The Canadian Journal for the Scholarship of Teaching and Learning*. (Published Fall 2014).

### Theatre Productions—Dr. Sandra Bell

August 2015. Writer, Actor, Director. *Look to the Lady*. For Fundy Fringe Festival, Saint John. 5 performances.

August 2014. Writer, Actor, Director. *Portrait*. For Fundy Fringe Festival, Saint John. 5 performances.

### Publications—Dr. Robert Moore

Book of poetry accepted for publication ("Based on Actual Events") by Vehicule Press, Signal Editions, edited by Carmine Starino. Due for release in Fall 2016.

Edited Books: Books of essays on difficult poetry accepted for publication ("The Long Arc"), by Vehicule Press, Signal Editions. Due for release in Spring 2018.

Co-editing a book of essays on the Erotic (title yet to be determined); conference proceedings, due to be released in Spring 2016.

## Research Success Stories...continued

### Dr. Karen Pearlston

Dr. Karen Pearlston from the Faculty of Law joined the national editorial board of the family law casebook: Mary Jane Mossman, Natasha Bakht, Vanessa Gruben, Karen Pearlston, eds, *Families and the Law: Cases and Commentary*, 2nd ed. (Toronto: Captus, 2015), contributing chapters in four key areas including spousal support, forced marriage, immigration marriage and the evolving marriage status of trans persons.

### Professor Janet Austin

Professor Janet Austin from the Faculty of Law published "Unusual Trade or Market Manipulation? How Market Abuse is Detected by Securities Regulators, Trading Venues and Self-Regulatory Organizations" in the *Oxford Journal of Financial Regulation*. The research involved securities regulators in five different countries, representing over 50% of the world's securities markets.

### International Union of Radio Science (URSI) Young Scientist Award – May 2015

Mr. David Themens, a Physics PhD student at UNB won the prestigious URSI young scientist award. Mr. Themens has been recognized as one of the top young minds in the world, earning the International Union of Radio Science Young Scientist Award. At 25, Themens is one of the younger recipients of the award, which is awarded to a handful of budding international scientists every three years. He accepted the award at the meeting in Gran Canaria. To see the full article on CBC, please visit <http://www.cbc.ca/news/canada/new-brunswick/david-themens-wins-prestigious-international-science-award-1.3008647>

### Dept. of Biological Sciences, UNB Saint John

A large number of students continue to be involved in research in the Department of Biological Sciences. Eight undergraduate students received NSERC USRA awards to conduct research in the Department of Biological Sciences in summer 2015. Since April, 10th, 2015 research-based MSc and 1 PhD student in the Department have defended their theses.

### Maritime Natural Products Conference

The Natural Products Research Group hosted the Maritime Natural Products Conference on the Saint John campus August 17-19, 2015. This conference brings together researchers and their students to present work on the chemistry and bioactivity of compounds extracted from biological sources as varied as marine bacteria and traditionally used medicinal plants. 65 people attended this year from Dalhousie, UPEI, UNBF and UNBSJ as well as presenters from the Coastal Zone Research Institute. The guest speaker was Jack Stewart the CEO and scientific director of Soricimed, the biotech start-up success story from New Brunswick. The Natural Products Research Group had poster presentations from graduate and undergraduate students as well as oral presentations from six of their students.

### Dr. Brigitte Leblon

Dr. Leblon from the Faculty of Forestry & Environmental Management was elected as President of the Southern Gulf of St. Lawrence Coalition on Sustainability (Coalition-SGSL) (June 2015). The Coalition-SGSL is a non-profit group, bringing together representatives of all sectors: community-based groups, First Nations, business, three levels of government, and academia from the provinces of Quebec, New Brunswick, Prince Edward Island, and Nova Scotia

Dr. Leblon was also elected as Secretary of the Canadian Remote Sensing Society - Société Canadienne de Télédétection (2014-2016). The Canadian Remote Sensing Society - Société Canadienne de Télédétection (CRSS-SCT) is a non-profit organization dedicated to the promotion of remote sensing across Canada

### Scanning Ahead

The article "Scanning ahead. Imaging technology advanced by UN researcher promises better wood sorting" submitted by Forestry and Environmental Management appeared in the September 2015 issue of *Atlantic Forestry Review*, vol. 22(1), pages 34-38. The article summarizes the wood sensing project that tests ground-penetrating radar, near-infrared and magnetic resonance sensors for log moisture and density estimation.

### Textbook on Geographic Information System

A new textbook on geographic information systems by GGE's Professor Emmanuel Stefanakis has just been published by CreateSpace. Entitled *Geographic Databases and Information Systems*, its aim is to present geographic information systems from a technological perspective. (<http://www2.unb.ca/gge/News/2014/2014.html#Stefanakis>)



## University Research Scholars 2014

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. Virginia Hill

Linguistics is generally viewed as a minor discipline in the academic curriculum at UNB, although a basic training in this field is essential for cognitive sciences, communication studies, speech pathology, child development, the teaching of second and foreign languages, language engineering and the list goes on. The linguist on the UNBSJ campus is Virginia Hill, whose research focus is syntactic structure and the evolution of human language. In other words, when Dr. Hill analyzes the structure of sentences in Bulgarian, Greek, Romanian, Acadian French or Umbundu, her aim is not only to clarify certain issues related to the grammar of each of these languages, but also to capture the syntactic patterns that such languages share with each other: syntactic patterns that are shared cross-linguistically bring us closer to the understanding of Universal Grammar (UG) – a term that refers to the innate capability of the human brain to acquire and generate language.

Dr. Hill's inquiry into the nature of human language started about twenty years ago, when she pointed out how the structure of subordinate clauses in Romanian may contribute to the theory of UG (her book *Theoretical Implication of Complementation in Romanian* was published at Unipress, Padova, 1995). Over the years, several research grants (from the Social Sciences and Humanities Research Council of Canada and UNB) allowed her to continue this research and expand her investigations into the nature of dialectal variation, which resulted, among many other publications, in a book on *Micro-parametric syntax* she co-edited with James Black, and a monograph on *Acadian French*. The overarching question she asks is how we can use dialectal variation in order to obtain more information about the structure of UG. The novelty of the empirical data and the analyses proposed in these books have been widely appreciated, and the books have been included in the reading lists for courses on dialectal variation and on Canadian French at a number of universities in Canada and abroad.

In more recent years, Dr. Hill's attention has been drawn to the interaction between pragmatics and syntax: she wondered if utterances that are considered at the fringes of grammar, such as vocatives and exclamations, would also arise from the application of the UG operations, or whether they are the product of a more general cognitive processing, which interfaces with but does not emerge from the syntactic computations. After researching over twenty languages, she concluded that a good part of the interpretation we attach to such expressions comes out of the syntactic configuration in which they occur. The findings are presented in *Vocatives*.

*How syntax meets with pragmatics*, a book published this year by Brill. In his review of it, Shigeru Miyagawa, Professor of Linguistics at MIT, recognizes its contribution to the theory of grammar: "Virginia Hill has redrawn the syntax-pragmatics interface by nudging syntax into domains that are traditionally considered to be purely pragmatic in nature. She has done this with sophisticated analysis and a breathing array of cross-linguistic data."

Another path Dr. Hill is exploring at the present time is how changes in language may help us understand not only how language work but also how it emerged. In this respect, she joined a team of researchers whose central hypothesis is that the language faculty in humans can be correlated to natural laws (the bio-linguistics approach). Dr. Hill's contribution to this debate comes from her inquiry into the changes that occurred in Early Modern Romania, and how these changes replicate the patterns observed in genetically related languages (i.e., Romance languages) and in languages with which Romanian has long had a contact (i.e., Balkan languages). Although this project is ongoing, her preliminary research has been widely published. The main finding to date is that changes consist in the systematic recycling of a given structure to the point that a backward application of the recycling process may allow us to reconstruct syntactic frameworks that predate the first written documents.



Dr. Virginia Hill

## University Research Scholars 2014....continued

### Dr. Donglei Du

Dr. Donglei Du joined the Faculty of Business Administration in 2003 as an Assistant Professor in the Quantitative Methods area. He was promoted to Associate Professor in 2005, granted tenure in 2006, and promoted to the rank of Professor in 2009. Since the beginning of his career at the University of New Brunswick, Dr. Du has developed and sustained a reputation as an outstanding educator, having achieved a very high level of recognition from peers for his excellent record of scholarly research and success in securing grants. He has two doctorates, one in Operations Management from the Chinese Academy of Sciences and the other in Computer Science from the University of Texas at Dallas. Dr. Du holds an adjunct appointment with the Department of Mathematics at UNB. He has held visiting professor appointments at the London School of Economics, Technical University of Graz (Austria), and City University of Hong Kong.

Dr. Du has authored and/or co-authored 42 research papers in referred journals, fourteen of which are since 2009. His papers are frequently cited and have appeared in prestigious journals such as *Operations Research*, *Algoritmica*, *SIAM Journal on Discrete Applied Mathematics*, *European Journal of Operations Research*, *Theoretical Computer Science*, *Information Processing Letters*, *Operations Research*, *Journal of Combinatorial Optimization*, *Naval Research Logistics Quarterly*, *Networks and Operations Research Letters*. Three of his papers have been designated "Hottest Articles" (most downloaded during a particular period of time). Apart from working in the area of Computer Science and Operations Research, Dr. Du has collaborated with scholars in the field of molecular genetics. His recent work has appeared in the *Scientific Reports*, a publication of Nature group of Journals. *Scientific Reports* is ranked as one of the top ten journals in the field of interdisciplinary science journals ahead of *Scientific American*. He has also published fourteen papers in referred conference proceedings and presented more than a dozen papers at professional and technical meetings. The number of invited talks he has given at international conferences and workshops speaks volume about his standing within his field.

Dr. Du works in the area of combinatorial optimization and algorithms, specifically in design and analysis of approximation, online and randomized algorithms applicable to problems in network flow, scheduling, rendezvous search, gene directional mapping and computational game theory. He also does work in robust optimization (particularly in finance), and in logistics network design, facility location, inventory management, and supply chain management. Using his rich research experience, Dr. Du has developed a course on social media networks.

Because of his strong research record, Dr. Du has in the past

received the Faculty's Annual Research Award (2004-2005), the Faculty's Excellence in Research Award (2002-2007), and the UNB Merit Award (2005-2006; 2011-2012). He won an Outstanding Paper award at the International Conference on Industrial Engineering and Engineering Management in 2007; he was one of only three, out of more than 500 papers, awarded this distinction.

Dr. Du has held NSERC grants throughout his career at UNB. His current grant in the amount of \$120,000 for the period 2009-2014 is the highest valued tri-council grant within our faculty. In collaboration with the other researchers, Dr. Du has obtained research grants in the past including an individual NSERC Discovery grant totaling \$85,000 across five years, as well as a 2003-2005 project from Day and Ross worth \$164,600 that he worked on with colleagues from UNB's Engineering Faculty.

He has frequently used his research funding to bring distinguished guest researchers and post-docs to our Faculty. In the past five years, Dr. Du has supervised/co-supervised seven Master's theses or projects. He has also been involved as co-supervisor of five PhD theses.

Dr. Du has reviewed papers for international journals such as *Computational Intelligence*, *Discrete Optimization*, *the European Journal of Operations Research*, *the Journal of Combinatorial Optimization*, *Operations Research*, and *Mathematics of Operations Research*. He has served on a number of faculty committees in which he has played an active role in spurring research-related policies and initiatives including, Coordination, Research Awards, Graduate Programs, Faculty Assessment, and Educational Resource.

Outside the Faculty of Business Administration, Dr. Du has provided distinguished services to the International Conference on Combinatorial Optimization and Applications, and the College of Reviewers of the Mathematics of Information Technology and Complex Systems, a Network of Centres of Excellence for the Mathematical Sciences.



Dr. Donglei Du

## University Research Scholars 2014....continued

### Dr. Huining Xiao

Since coming to the University of New Brunswick Engineering from the University of Manchester Institute of Science and Technology in 2001, Prof. Xiao has built a large and successful research group. His research has focused on polymers and functional modification of cellulose fibres. Both in his own research and in his collaborations, Huining Xiao has successfully bridged the disciplines of polymer engineering, pulp and paper, nanotechnology and chemistry. His research group is one of the largest in our department, which is itself the best funded research department at UNB. In Recognition of Prof. Xiao's excellent research, the department exchanged office space for lab space in 2011, to further support his already-successful research efforts. Prof. Xiao's group has included a dozen visiting scholars and post-doctoral fellows in just the past three years, and his 37 UNB-supervised graduate students include several distinguished scholars. Most recently, one of his former Ph.D. students (Pedram Fatehi) took a tenure-track position at Lakehead University.



**Dr. Huining Xiao**

## University Research Scholars 2015

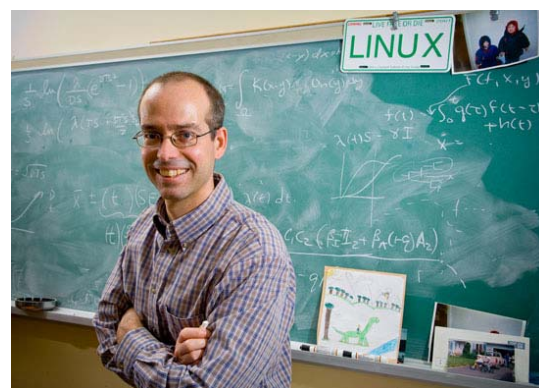
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### Dr. James Watmough

Before joining UNB as an Assistant Professor in 2000, Dr. Watmough held an NSERC PDF Fellowship at the University of Victoria working with Dr. Pauline van den Driessche, a leading researcher in the field of Mathematical Biology. At UNB, Dr. Watmough was promoted to an Associate Professor in 2002 and Full Professor in 2008. His research interests can be broadly described as mathematical modeling of infectious diseases and formulating and analyzing models motivated by specific problems in ecology. As of November 2014, Dr. Watmough has published over 50 research papers. His work is highly cited by peer researchers in his field. His joint paper with Dr. Pauline van den Driessche of University of Victoria "Reproduction disease transmission" alone has been cited 1,737 times as of November 2014 according to Google Scholar. The same paper was awarded the Tenth Bellman Prize in 2005 for the best paper in Mathematical Biosciences during 2002-2003.

Dr. Watmough's research has been funded by NSERC, AARMS, the Human Frontier Science Program (HFSP) and MITACS with total grants over three million dollars. In particular, Dr. Watmough was the leading principal investigator for the MITACS network project: Network for Biological Invasions and Dispersal Research. Due to his high profile in Mathematical Biology, Dr. Watmough serves as a member of the AARMS Scientific Review Panel, as chair of

the Cecil Graham Doctoral Thesis Award Committee (CAIMS), as an Associate Editor for Mathematical Biosciences and Engineering and the Journal of Biological Dynamics, and as the training director for the Centre of Disease Modeling, a national research centre based at York University. Moreover, Dr. Watmough has been frequently invited to give lectures at national and international summer schools, to speak at national and international conferences, and to participate in international initiatives such as Canada-China Thematic Program on infectious disease modeling.



**Dr. James Watmough**

## University Research Scholars 2015...continued

### Dr. Daniel Voyer

Dr. Daniel Voyer's research clearly demonstrates a *consistent high level of scholarship that is of the international stature*. He has maintained an outstanding level of research productivity during his career, having published 77 refereed journal articles, most during his 14 years at UNB and 8 in the last year alone. Furthermore, his research has appeared in some of the top journals in his field, including *Psychological Bulletin*, *Memory and Cognition*, *Journal of Experimental Psychology: Human Perception and Performance*, and *Neuropsychologia*. His neuroscience research has made a clear and substantial impact on the work of other researchers. For example, his meta-analysis of gender differences in spatial abilities published in *Psychological Bulletin* (1995) has been cited in nearly 1600 publications to date (over 100 times in the past year alone); this is substantially higher than is typical of most scientific articles in psychology. This demonstrates the high extent to which others are actively using the scholarly work produced by Dr. Voyer. Dr. Voyer is active in disseminating his research to the general public; for example, he communicates his research findings and thoughts on current research to the general public through an invited blog post on Psychology Today. In addition, Dr. Voyer's research has had applied implications that have influenced education practices, training programs, and screening tests for patients with brain damage. Dr. Voyer has held NSERC funding for the past 15 years.

Dr. Voyer has an impressive international reputation as an expert in his field. Indeed, he is recognized as one of the world's experts on cognitive gender differences and brain laterality. As a result, he is asked to evaluate a large number of manuscripts, research grants, and assessment of peers for promotion, tenure, or awards each year for international journals and institutions. In addition, he serves on editorial boards not only of Canadian journals but also of American and British journals. He receives numerous invitations to give research talks across Canada, Europe and the United States. Furthermore, Dr. Voyer's research has been cited in papers published by researchers in 53 different countries. He has collaborated with or is currently collaborating with researchers in Germany, United States, the Netherlands, and Canada. His research has been frequently cited in the popular press world-wide. For example, his 2014 publication in *Psychological Bulletin*, the top journal in psychology, was the object of much media coverage worldwide including an

article about the findings in *Time Magazine* in the United States and stories in Iran, Russia, Italy, England, and India among other countries. Such coverage both demonstrates and adds to his international reputation. Dr. Voyer's international reputation is also clearly illustrated by the fact that students from both within Canada and from abroad seek him out as a potential doctoral or postdoctoral supervisor. At the national level, possibly one of the most concrete demonstrations of the respect given to Dr. Voyer's work as a researcher comes from his invitations to serve on the NSERC Grant Evaluation Group in Cognitive Science on two separate occasions, and serve as its Chair twice as well (in 2008 and as a current chair). Dr. Voyer was selected to chair the committee in 2008 in part because of major structural initiatives being undertaken by NSERC that required strong leadership by a highly respected scholar. His invitation to serve as editor of the *Canadian Journal of Experimental Psychology*, the premier Canadian publication outlet for experimental psychology, also demonstrates the strength of his reputation within Canada. In short, Dr. Daniel Voyer is an outstanding and extremely productive researcher who is recognized nationally and internationally for his important research contributions.



**Dr. Daniel Voyer**



## UNB Awards

Name	Award / Other	Description
Dr. Krista Wilkins	Canadian Association of Nurses in Oncology (CANO/ACIO)-Merck Lectureship Award (2014)	On Monday, Oct. 27, 2014, Dr. Krista Wilkins received the Canadian Association of Nurses in Oncology (CANO/ACIO)-Merck Lectureship Award for her abstract, " <i>The Unwanted Encore: The Lived Experience of Having Multiple Cancer Diagnoses</i> ". This inspirational lectureship is awarded to the abstract which best presents innovative nursing interventions, unique methods of application of theory in practice, or shows initiatives for improving patients' quality of life. In addition to presenting a special plenary lecture, the award includes an opportunity to publish the presentation in the <i>Canadian Oncology Nursing Journal</i> , an honorarium, travel and accommodation expenses, and conference registration.
Dr. Kathy Wilson & Dr. Linda Duffett-Leger	Social Enterprise Development Dialogue (SEDD) roundtable pitch competition (2014)	Innovators of the NursApp, awarded \$2,000 for winning pitch at Social Enterprise Development Dialogue (SEDD) roundtable pitch competition, hosted by Pond-Deshpande Centre.
Dr. Kate Weaver	Merit Award from NANB (2015)	Merit Award for research from NANB (Nursing Association of New Brunswick)
Dr. Kate Weaver & Dr. Donna Bulman	ARCASN Research Award (2015)	2015 ARCASN Research Award for their project "Toward a Culture of Reflective Practice in Student Clinical Placements."
Dr. Jan Thompson	Harrison McCain Foundation Visitorship Award (2015)	2015 Harrison McCain Foundation Visitorship Award. The location of the Visitorship is Queen's University, Belfast, School of Nursing and Midwifery.
Dr. Jan Thompson	Utah's College of Nursing Distinguished Alumni Award (2015)	On Friday, October 2, 2015 the University of Utah's College of Nursing honored Janice L. Thompson, RN, PhD '83 as recipient of this year's Distinguished Alumni Award. The Distinguished Alumni Award recognizes College of Nursing graduates who have attained the highest level of professional accomplishments, and have advanced the profession through practice, research, education, or administration. Dr. Thompson's presentation was Border Scholars: Educating for the Ethics of Democratic Professionalism in Nursing.
Dr. Lucia O'Sullivan	Elected Fellow by the Canadian Psychological Association (2015)	In June 2015 Dr. O'Sullivan from the Department of Psychology was elected Fellow by the Canadian Psychological Association in recognition of her important contributions to the field
Dr. Lucia O'Sullivan	New Brunswick Health Researcher of the Month (2015)	In July 2015 Dr. O'Sullivan was named New Brunswick Health Researcher of the Month by the New Brunswick Health Research Foundation.
Kirsten Gullickson, a doctoral student in Clinical Psychology	Top Five Student Poster Award (2015)	Kirsten won a Top Five Student Poster Award for her written and oral presentation at the meeting of the British Pain Society in Glasgow in May 2015. The name of her paper (co-authored with Dr. Diane LaChapelle) was "Learning to Live with Arthritis: Partners' Definitions of Acceptance."
Simon Banville, Ph.D. student	Institute of Navigation Bradford W. Parkinson Award (2015)	Simon Banville, a Ph.D. student in the Department of Geodesy and Geomatics Engineering has won this year's Institute of Navigation Bradford W. Parkinson Award. It was presented during The Institute of Navigation's GNSS+ meeting in Tampa, Florida October 2015.
Dr. Attila Komjathy	Institute of Navigation fellow (2015)	Dr. Attila Komjathy, an adjunct professor in UNB's Department of Geodesy and Geomatics Engineering, was made an Institute of Navigation fellow during the institute's International Technical Meeting in Dana Point, California, October 2015.
Dr. Attila Komjathy	Best Paper Award at the 14th Ionospheric Effects Symposium (2015)	Dr. Attila Komjathy, a principal investigator at NASA's Jet Propulsion Laboratory and adjunct professor in UNB's Department of Geodesy and Geomatics Engineering, won the Best Paper Award at the 14th Ionospheric Effects Symposium in Alexandria, Virginia, Sept 2015.
Dr. Sandra Bell	Original Arts Award (2014)	In September 2014, Dr. Bell was the finalist for the 2014 Originals Arts Awards: Performing Arts (Theatre)
Dr. David Creelman	3M Fellowship (2015)	Dr. Creelman was awarded the 3M Fellowship
Dr. Tony Diamond (Biology)	Doris Huestis Speirs Award	Most prestigious award given by Society of Canadian Ornithologists
Dr. Tim Koslowski, Post-doc, Math/Stats	APS Physics, Editor's Suggestion	Co-author, paper in Physical Review Letters - <a href="http://physics.aps.org/articles/v7/111">http://physics.aps.org/articles/v7/111</a>
Mr. David Themens (Physics graduate student)	Young Scientist Award	Prestigious award granted by International Union of Radio Science

## UNB Awards ...continued

Name	Award / Other	Description
Dr. Linley Jesson (Biology)	Humboldt Award	Fellowship for Experienced Researchers, includes 18 month research/living stipendium plus 4 month language scholarship
Dr. Donald Baird (Biology)	Visiting Research Fellowship	University of New South Wales (Sydney, Australia)
Brigitte Leblon	2014 Northeastern Association of Graduate Schools (NAGS) and Educational Testing Service (ETS) Award for the most innovative graduate program	It recognizes the most innovative graduate program for TRANSFORM across Quebec, Ontario, Atlantic Canada and Northeastern USA graduate schools. The award consists of a certificate and a cheque of \$2700
Brigitte Leblon	2015 UNB Merit award	The award recognizes faculty who have made an outstanding contributions to the University

## UNB Grants (not recorded by ORS)

Name	Grant	Description
Dr. Kathleen Valentine	Florida Atlantic University Funding (2014)	Innovation in Access to Diabetes and Mental Health Care through Interprofessional Collaborative Practice, September, 2014 (Evaluator)
Professor Len Falkenstein	Bard in the Barracks (2014)	Grants from the City of Fredericton and corporate sponsors for the annual Bard in the Barracks
Professor Len Falkenstein	Notable Acts (2014)	Grants from the City of Fredericton, Province of NB, Canadian Heritage, and Artsnb
Professor Len Falkenstein	Professor Falkenstein's own plays (2014)	Grants from Canada Council for his own plays.
Professor Robert Gray	Fiction (2014)	Grants from Canada Council and Artsnb
Writer in Residence	Writer in Residence (2014)	Grants from the Canada Council and Province of NB for the UNB Writer in Residence
Professor Mark Anthony Jarman	Fiction (2014)	Grants from Canada Council and Artsnb
Professor Tatrina Finlay	Visiting Writers (2014)	Grants from Canada Council and League of CanPoets
Professor Ross Leckie	Fiddlehead (2014)	Grants from Canada Council, Canadian Heritage, and Provincial for the Fiddlehead magazine.
Professor Len Falkenstein	Bard in the Barracks (2015)	Grants from the City of Fredericton and corporate sponsors for the annual Bard in the Barracks
Professor Len Falkenstein	Notable Acts (2015)	Grants from the City of Fredericton, Province of NB, Canadian Heritage, and Artsnb
Professor Len Falkenstein	Professor Falkenstein's own plays (2015)	Grant from Canada Council for his own plays.
Writer in Residence	Writer in Residence (2015)	Grants from the Canada Council and Province of NB for the UNB Writer in Residence
Professor Tatrina Finlay	Visiting Writers (2015)	Grants from Canada Council and League of CanPoets
Professor Ross Leckie	Fiddlehead (2015)	Gants from Canada Council, Canadian Heritage, and Provincial for the Fiddlehead magazine.
Professor Scott Ronis	Administered by NB Association of Social Workers (2014)	Scott Ronis, Collaborator, "Preventing and eliminating cyberviolence against young women and girls," Status of Women Canada; 2014-2016. Administered by NB Association of Social Workers.
Dr. John M. Terhune	Environment Canada's Gulf of Maine Initiative. (2015)	Dr. Terhune is collaborating with Mr. Donald Killorn at Eastern Charlotte Waterways Inc. (an ACAP group in Blacks Harbour, NB) on a project that will document the underwater noises in the coastal Bay of Fundy. The title of the project is: Outer Bay of Fundy Fluctuating Industrial Noise Study.
Dr. Cheryl Patten (Biology)	European Commission Framework 7 Project (2011-2014)	International Research Staff Exchange Scheme to investigate biocontrol and bioremediation agents and their role in agriculture and forest health. Other partners were from Spain, Italy, Portugal, Sweden and Canada.
Professor Kate Frego	Fundy Model Forest	Funding for long term monitoring of forest plant (esp bryophyte) recovery after several forest management techniques. This study has been going for 20 years at Hayward Brook (near Petitcodiac) and environs. Grants received from Sustainable Forestry Initiative, Wildlife Trust Fund, Environmental Trust Fund and Habitat Stewardship Program.
Brigitte Leblon & Armand LaRocque & Simon Courtnay	Environment Canada Atlantic Ecosystems Initiative	The goal of the project is to develop a bay-scale cumulative effect monitoring program for eelgrass in Atlantic Canada

## UNB Grants (recorded by ORS) ...page 1 of 13

Date range from April 1, 2014–September 30, 2015

Name	Grant	Description
Leblon Brigitte	A & L Canada Laboratories	Development of a Visible NIR Sensor for Potato Late Blight Detection
Chui Ying Hei	Ainsworth Engineered Canada LP	Bonding Characteristics of Massive Timber Panels
Wachowicz Monica	Analyze Re	Utilizing Social Media to Support Real-Time (RE)Insurance Catastrophe Response
Dubay Rickey	Aspin Kemp & Associates	The Design & Development of a Power Box System for Powering Remote Population Clusters
Ingalls Colin	Atlantic Association for Research in the Mathematical Sciences	Post Doctoral Fellow Nathan Grieves
Kucerovsky Dan	Atlantic Association for Research in the Mathematical Sciences	C*-Algebra Section at CMS Summer Meeting
Tokaryk Dennis	Atlantic Hydrogen Inc.	Optical Emission Spectroscopy on Plasma Reactor Experiments
Zheng Ying	Atlantic Hydrogen Inc.	INTEGRATED Plasma Catalytic Processes for Hydrogen-Free Upgrading of Biomass Derived Biofuels to Hydrocarbon Fuels
Keeping-Burke Lisa	Atlantic Region Canadian Assoc. of University Nursing Schools	The Experience of Indigenous People in Health Care Encounters in Western Settings and Contexts: A systematic review of qualitative evidence
Cunjak Rick	Atlantic Salmon Conservation Foundation	Patterns in the Abundance and Distribution of Atlantic Salmon in Maritime Rivers
Gray Michelle	Atlantic Salmon Conservation Foundation	ASCF Salmon Hub (Phase II)
Linnansaari Tommi	Atlantic Salmon Conservation Foundation	Restoring Ecosystem Health and Increasing Progeny Fitness Through Marine Reared Native Adult Atlantic Salmon Introductions
Linnansaari Tommi	Atlantic Salmon Conservation Foundation	Migration & Survival of Smolt, Post Spawning Kelt and Adult Atlantic Salmon in Hydropower Regulated Saint John River, New Brunswick
Ni Yonghao	AV Nackawic	Further Development of Dissolving Pulp Production Processes
Chui Ying Hei	Barrette	NBIRC in Advanced Wood Products & Construction
Pulinilkunnil Thomas	Beatrice Hunter Cancer Research Institute	Logan Slade
Reiman Anthony	Beatrice Hunter Cancer Research Institute	Validating and Discovering New Genetic Biomarkers for Efficacy of Thalidomide & Melphalan
Xiao Huining	Biopolynet Inc.	Use of Novel Fatty Semi-Hydrophobic Modified Bio-Polymers to Develop BioNanocoils, Biopolynet Product, as Sand Stabilizers
McGibbon Chris	B-Temia Inc.	Dermoskeleton Technology for Improving Mobility & Reducing Disability
Balcom Bruce J.	Canada Foundation for Innovation	Cryogen Free, Variable Free, Magnetic Resonance Imaging of Fluids in Porous Media
Chibante Felipe	Canada Foundation for Innovation	Laboratory for Advanced Carbon Materials Research
Domene Jose	Canada Foundation for Innovation	School to Work Transition
Li Howard	Canada Foundation for Innovation	Civilian Unmanned Aerial Vehicle for Forestry
McFarlane Christopher	Canada Foundation for Innovation	Materials Characterization Using Bench-Top Micro-ED-XRF Instrumentation
Pavey Scott	Canada Foundation for Innovation	Aquatic Molecular Ecology & Ecological Genomics
Peters Paul	Canada Foundation for Innovation	Spatial & Social Inequalities in Health & Health Service Delivery
Domene Jose	Canada Research Chair	School to Work Transition
Pavey Scott	Canada Research Chair	Aquatic Molecular Ecology & Ecological Genomics
Peters Paul	Canada Research Chair	Spatial & Social Inequalities in Health & Health Service Delivery
Gray Christopher	Canadian Breast Cancer Foundation	Natural Products from Canadian Medicinal Plants and their Endophytic Fungi as Inducers of Apoptosis in Breast Cancer Cells
Burns David	Canadian Chiropractic Research Foundation	UNB-CCRF Research Chair in Musculoskeletal Health



## UNB Grants (recorded by ORS) ...page 2 of 13

Name	Grant	Description
Doucet Shelley	Canadian Institutes of Health Research	Children with Complex Health Conditions - Let's Learn Who They Are and Their Needs to Better Serve Them
Keeping-Burke Lisa	Canadian Institutes of Health Research	2014-2015 HPSRA Award
Miedema Baukje	Canadian Institutes of Health Research	New Brunswick SPOR Primary & Integrated Care Innovations Developmental Grant
Miedema Baukje	Canadian Institutes of Health Research	New Brunswick SPOR Network: Primary and Integrated Community Care
Scott-Storey Kelly	Canadian Institutes of Health Research	Masculinities, Lifetime Violence and Health
Weaver Kathryn	Canadian Institutes of Health Research	Ethical Leadership of Nurse Educators
Wilkins Krista	Canadian Institutes of Health Research	Through the Images of Cancer Survivors: The Lived Experience of Surviving Multiple Cancer Diagnosis
Ma Renjun	Canadian Statistical Science Institute	Analysis of Temporally and Spatially Correlated Multivariate Forestry Data in New Brunswick
Heard Stephen	Canadian Tree Fund	Impacts of an Invasive Beetle on Spruce Budworm Outbreaks
Lister Derek H.	CANDU OWNERS GROUP	Chemistry and Corrosion in Nuclear and Conventional Power System Coolants
Castillo Guerra Eduardo	C-Therm Technologies Ltd.	Optimization and Validation of Optical Interferometer for Thermal Expansion Measurements
McGrady Sean	C-Therm Technologies Ltd.	Thermal Characterization of Hydrogen Storage Materials
Hall Joseph	Dana Canada Corporation	Particle Image Velocimetry Measurements Using Refractive Index Matching in a Heat Exchanger
Hall Joseph	Dana Canada Corporation	Refractive Index Matching Measurements in an Automotive Heat Exchanger
White Joseph Clancy	Department of Aboriginal Affairs & Northern Development	2014 - 2015: Northern Scientific Training Program
Dubay Rickey	Dynamic System Analysis Ltd.	Controller Design and Integration for Laying of Subsea Cables to Harness Oceanic and Tidal Power
Stefanakis Emmanuel	ESRI Canada Limited	Contextual Line Simplification (CLS) for ArcGIS
Dubay Rickey	FANUC Canada Ltd.	Control Design and Integration into an Industrial Robotic Simulation System with Practical Implementation
MaGee David I.	Forest Protection Ltd.	Pheromones for Insect Pest Management: An Improved Synthesis of the Spruce Budworm Pheromone
Cunjak Rick	Fort Folly First Nation	Marine-Derived Nutrients Monitoring Project in the Petitcodiac Watershed
Pulinilkunnil Thomas	Foundation Glycosylation	Research Technician Award
Husain Viqar	Foundational Questions Institute	Spacetime from Quantum Dynamics
Chui Ying Hei	FP Innovations	NBIRC in Advanced Wood Products & Construction
Gong Meng	FP Innovations	Development of High-Performance and Material-Efficiency Composite CLT
Hunt Heather	Fredrik & Catherine Eaton	Human Activities Negatively Impacting Marine Ecosystems
Thompson Janice	Fredrik & Catherine Eaton	Model of Democratic Professionalism in Nursing
Torri Maria Costanza	Fredrik & Catherine Eaton	Preliminary Study in Northern Ireland
Wright Joanne	Fredrik & Catherine Eaton	Contemporary Gender Politics
Al-Tahir Raid	Grand Lake Meadows	Analysis of Land Cover Changes and Their Impacts on GLM's Ecological Management
Frego Katherine	Grand Lake Meadows	Bryophyte Biodiversity in Grand Lake Meadows Protected Natural Area
McAlpine Donald	Grand Lake Meadows	Bioblitz 2014: Biological Inventory of the Grand Lake Protected Natural Area
Monk Wendy	Grand Lake Meadows	Environmental Flows with Habitat Implications for Invertebrate Species at Risk
Monk Wendy	Grand Lake Meadows	Environmental Flows with Habitat Implications for Invertebrate Species-At-Risk
Carretero Juan A.	Harrison McCain Foundation	INRIA Sophia Antipolis, France
Cook C. Paul	Harrison McCain Foundation	Automating Dictionary Construction for Better Language Processing

## UNB Grants (recorded by ORS) ...page 3 of 13

Name	Grant	Description
Kiani Amirianoosh	Harrison McCain Foundation	Micro/Nano Texturing of Biocompatible Metals and Ceramics Induced by Laser Pulses for Bone and Tissue Transplant Fabrication
Kislowicz Howard	Harrison McCain Foundation	Legal Articles of Faith
Lewis JP	Harrison McCain Foundation	Unlocking the Cabinet: Building a Better Understanding of Cabinet Decision Making in Atlantic Canada Provincial Governments
Major Heather	Harrison McCain Foundation	Dispersal and Population Dynamics of Alcids
Morton Erin	Harrison McCain Foundation	Unsettling Canadian Art History
Nedelcu Aurora	Harrison McCain Foundation	Arizona State University, Tempe, AZ, USA
O'Donnell Susanne	Harrison McCain Foundation	Understanding Conditions that Promote Effective Management of Workplace Bullying
Pavey Scott	Harrison McCain Foundation	Aquatic Molecular Ecology & Ecological Genomics
Poulin Carmen	Harrison McCain Foundation	Chen-Fen Chen, Department of Social Welfare, Chinese Culture University
Saleh Saleh	Harrison McCain Foundation	Digital Interconnection Protection for Distributed Generation Systems
Sears Matthew	Harrison McCain Foundation	The Topography of Ancient Greek Battlefields
Smith Ian	Harrison McCain Foundation	Roberto Tomasi, University of Trento, Italy
Song Wei	Harrison McCain Foundation	University of Houston, Houston, Texas, USA
Stakanova Natalia	Harrison McCain Foundation	Deriving Malware Digital Fingerprints
Todd Lisa	Harrison McCain Foundation	Purifying the Blood: Racial Anthropology and Murder from German Southwest Africa to Nazi-Occupied Europe, 1880 - 1945
Torri Maria Costanza	Harrison McCain Foundation	Academia Sinica, IOS, Taiwan
Wilkins Krista	Harrison McCain Foundation	Strengthening the Roles of NPs in Delivering PHC to Cancer Survivors
Sherman Ann	Margaret & Wallace McCain Family Foundation	Early Childhood Speakers Series
Chui Ying Hei	Marwood Ltd.	NBIRC in Advanced Wood Products & Construction
Dubay Rickey	McCain Foods Limited	A Novel Approach to Potato Processing Using Intelligent Data Analytics & Advanced Control
Arseneault Rina	Muriel McQueen Fergusson Foundation Inc.	NB Silent Witness Project
Heard Stephen	Natural Resources Canada	Impacts of Tree Pests on Forest Health in Eastern Canada Under Current and Future Environmental Scenarios
Addison Jason	Natural Sciences and Engineering Research Council	The Genetics of Reproductive Isolation and Speciation in North Atlantic Sea Urchins
Afzal Muhammad	Natural Sciences and Engineering Research Council	Development of Novel Microwave Biorefinery
Al Tom A.	Natural Sciences and Engineering Research Council	Sub from U of Waterloo: Training Toward Environmentally Responsible Resource Extraction
Arp Paul A.	Natural Sciences and Engineering Research Council	Sub from UBC: Assessment of Wood Attributes Using Remote Sensing
Baker Christopher	Natural Sciences and Engineering Research Council	Cosmetics Product Safety, Knowledge and Data Management
Balcom Bruce J.	Natural Sciences and Engineering Research Council	Spatially Resolved Analytical Chemistry - Magnetic Resonance Imaging of Materials
Barbeau Myriam	Natural Sciences and Engineering Research Council	Ecological Linkages Between Salt Marshes and Mudflats in Maritime Canada
Bateman Scott	Natural Sciences and Engineering Research Council	Transfer of NSERC Discovery Grant for Dr. Scott Bateman
Benfey Tillmann J.	Natural Sciences and Engineering Research Council	The Effect of Opercular Deformity on Fish Welfare and Aerobic Capacity
Bourque Charles P.A.	Natural Sciences and Engineering Research Council	Projection of Abies Balsamea Distribution Under Conditions of Climate Change: Incorporation of Species Plasticity to Environmental Change
Bremner David	Natural Sciences and Engineering Research Council	Geometric Aspects of Optimization
Burgess Andrea	Natural Sciences and Engineering Research Council	Structural properties and generalizations of combinatorial designs

## UNB Grants (recorded by ORS) ...page 4 of 13

Name	Grant	Description
Burns David	Natural Sciences and Engineering Research Council	Scoping / Planning Workshop: Research in Support of Integrated Management of the Coastal Economy
Carretero Juan	Natural Sciences and Engineering Research Council	Cable-Drive Parallel Manipulators with Extensible Rods
Castillo Guerra Eduardo	Natural Sciences and Engineering Research Council	Optimization and Validation of Optical Interferometer for Thermal Expansion Measurements
Chester Victoria	Natural Sciences and Engineering Research Council	The Development of Kinematic and Kinetic Multisegment Foot Models for Gait Analysis
Chui Ying Hei	Natural Sciences and Engineering Research Council	Bonding Characteristics of Massive Timber Panels
Chui Ying Hei	Natural Sciences and Engineering Research Council	Optimized Design of Wooden Heavy Equipment Mat
Clark Denise	Natural Sciences and Engineering Research Council	Genome Evolution Through RNA-based Gene Duplication
Cook C. Paul	Natural Sciences and Engineering Research Council	Automating Dictionary Construction for Better Natural Language Processing
Cook C. Paul	Natural Sciences and Engineering Research Council	Automatically Building Vocabularies from Web Forum Text
Cook William	Natural Sciences and Engineering Research Council	Mitigating Hydrogen Production in the End-Shield Cooling System of CANDU Reactors
Curry Allen	Natural Sciences and Engineering Research Council	Mactaquac Aquatic Ecosystem Study: Environmental Science in Support of the Mactaquac Dam Renewal Project See ROMEO 201300259 for Industry Cash Portion
Du Donglei	Natural Sciences and Engineering Research Council	Combinatorial Optimization: Approximation Algorithm and Robust Optimization
Dubay Rickey	Natural Sciences and Engineering Research Council	A Novel Approach to Potato Processing Using Intelligent Data Analytics & Advanced Control
Dubay Rickey	Natural Sciences and Engineering Research Council	Controller Design and Integration for Laying of Subsea Cables to Harness Oceanic and Tidal Power
Dubay Rickey	Natural Sciences and Engineering Research Council	Fast Control Routines on Robotic Systems
Dubay Rickey	Natural Sciences and Engineering Research Council	Industrial Internet Model Based Predictive Control for Applications Using Thermal Imaging
Dubay Rickey	Natural Sciences and Engineering Research Council	The Design & Development of a Power Box System for Powering Remote Population Clusters
Dubay Rickey	Natural Sciences and Engineering Research Council	Control Design and Integration into an Industrial Robotic Simulation System with Practical Implementation
Dueck Gerhard	Natural Sciences and Engineering Research Council	Heuristic Minimization Techniques for Reversible Logic Synthesis
Englehart Kevin	Natural Sciences and Engineering Research Council	Myoelectric Control of Powered Upper Limb Prostheses
Garland Philip	Natural Sciences and Engineering Research Council	Investigation of Bulk Material Property Changes and Fatigue Strength Determination of Relaxor-PT Piezoelectric Materials
Ghorbani Ali	Natural Sciences and Engineering Research Council	Intelligence Driven Cyber Security Defense Tools
Gray Christopher	Natural Sciences and Engineering Research Council	Combining Bioactivity and Metabolomic Profiling in the Discovery of Antibiotic Natural Products from Endophytic Fungi
Hall Joseph	Natural Sciences and Engineering Research Council	Particle Image Velocimetry Measurements Using Refractive Index Matching in a Heat Exchanger
Hall Joseph	Natural Sciences and Engineering Research Council	Refractive Index Matching Measurements in an Automotive Heat Exchanger
Hanson Trevor	Natural Sciences and Engineering Research Council	Developing Planning & Forecasting Tools for Age Friendly Rural and Community Transportation Alternatives: A focus on volunteer driver programs to facilitate older person mobility and safety
Heard Stephen	Natural Sciences and Engineering Research Council	Host Shifts and Host-Associated Differentiation in Herbivorous Insects: Ecological Causes and Consequences
Hildebrand Eric D.	Natural Sciences and Engineering Research Council	Road Safety Engineering and Senior Drivers
Houlahan Jeff	Natural Sciences and Engineering Research Council	Understanding the Impacts of Climate Change on Small Wetland Ecosystems

## UNB Grants (recorded by ORS) ...page 5 of 13

Name	Grant	Description
Hughes Clarke John	Natural Sciences and Engineering Research Council	Acoustic Imaging of Active Seabed Processes
Hunt Heather	Natural Sciences and Engineering Research Council	Ecology of Coastal Invertebrates in a Changing Ocean
Kiani Amirianoosh	Natural Sciences and Engineering Research Council	Nanofabrication Using High Frequency Laser Ablation and Laser Maskless Lithography
Kuruganti Usha	Natural Sciences and Engineering Research Council	Advanced Myoelectric Control for Improved Prosthetic Function
Langley Richard	Natural Sciences and Engineering Research Council	Improvement of Augmented Multi-Constellation Satellite-Based Precise Positioning in a Wide Range of Environments
Leblon Brigitte	Natural Sciences and Engineering Research Council	Development of a Visible NIR Sensor for Potato Late Blight Detection
Lentz David	Natural Sciences and Engineering Research Council	Geometallurgical Study of the Precious Metals in the 6 to 7 Ore Lenses at the Caribou Zinc-Lead Deposit, New Brunswick
Li Howard	Natural Sciences and Engineering Research Council	Sensor Driven Multiple Robot Mapping and Exploration
Li Kecheng	Natural Sciences and Engineering Research Council	Role of Lignin in Biochemical Conversion of Lignocellulose Biomass into Fuels and Biochemicals
Lister Derek H.	Natural Sciences and Engineering Research Council	Chemistry and Corrosion in Nuclear and Conventional Power System Coolants
Ma Renjun	Natural Sciences and Engineering Research Council	Generalized Linear and Nonlinear Mixed Models for Longitudinal and Spatial Data
MacLean David A.	Natural Sciences and Engineering Research Council	Sub from UBC: Assessment of Wood Attributes Using Remote Sensing (AWARE)
McGibbon Chris	Natural Sciences and Engineering Research Council	Biomechanical and Physiological Effects of Using an Active Assist Knee Brace During Activity of Daily Living
McGrady Sean	Natural Sciences and Engineering Research Council	Purification and Trapping System for Biogenerated Hydrogen
McGrady Sean	Natural Sciences and Engineering Research Council	Formic Acid Delivery Products for Beehive Protection
McGrady Sean	Natural Sciences and Engineering Research Council	Thermal Characterization of Hydrogen Storage Materials
Ni Yonghao	Natural Sciences and Engineering Research Council	Further Development of Dissolving Pulp Production Processes
Reid Gregor	Natural Sciences and Engineering Research Council	Climate Change and Aquaculture in Canada: Atlantic Workshop
Rendall C. A. Drew	Natural Sciences and Engineering Research Council	The Nature, Function & Evolution of Signal Complexity in Animal and Human Communication Systems
Ross Stephen	Natural Sciences and Engineering Research Council	Dynamic Molecules: Large Amplitude Motion and Coupling of Rotation, Torsion/Vibration, and Electronic Motion
Scheme Erik	Natural Sciences and Engineering Research Council	Improving the Performance, Robustness and Reliability of Myoelectric Control
Seahra Sanjeev	Natural Sciences and Engineering Research Council	Observational Signatures of Quantum Gravity
Sensinger Jon	Natural Sciences and Engineering Research Council	Haptic Interface for Computational Motor Control for Better Control of Prosthetic Devices
Sensinger Jon	Natural Sciences and Engineering Research Council	Exploration of Optimal Prosthesis Feedback Information Using Computational Motor Control
Shukla Dharendra	Natural Sciences and Engineering Research Council	Engage NB Innovation Forum & Expo
Smith Ian	Natural Sciences and Engineering Research Council	Sub from McGill: Green Fibre Network - International Stage Award
Song Wei	Natural Sciences and Engineering Research Council	Towards Green Wireless Networks: Energy-Aware Techniques for Emerging Applications with Evolving Network Architectures
Song Wei	Natural Sciences and Engineering Research Council	Sub from McMaster: NSERC Canadian FloodNet
Stakhanova Natalia	Natural Sciences and Engineering Research Council	Towards Malware Author Attribution
Stefanakis Emmanuel	Natural Sciences and Engineering Research Council	Contextual Line Simplification (CLS) for ArcGIS
Stewart Connie	Natural Sciences and Engineering Research Council	New Statistical Tools for quantitative Fatty Acid Signature Analysis and the Development of an Accompanying R Package
Wachowicz Monica	Natural Sciences and Engineering Research Council	Utilizing Social Media to Support Real-Time (RE)Insurance Catastrophe Response



## UNB Grants (recorded by ORS) ...page 6 of 13

Name	Grant	Description
Wang Lin	Natural Sciences and Engineering Research Council	Dynamics of Functional Differential Equations with Applications to Biology and Ecology
White Joseph Clancy	Natural Sciences and Engineering Research Council	Crustal Rheology and Deformation Processes: From Micromechanics to Geodynamics
Xiao Huining	Natural Sciences and Engineering Research Council	Use of Novel Fatty Semi-Hydrophobic Modified Bio-Polymers to Develop BioNanocoils, Biopolymer Product, as Sand Stabilizers
Yan Zong-Chao	Natural Sciences and Engineering Research Council	High Precision Theory of Few-Body Atomic and Molecular Systems
Zheng Ying	Natural Sciences and Engineering Research Council	INTEGRATED Plasma Catalytic Processes for Hydrogen-Free Upgrading of Biomass Derived Biofuels to Hydrocarbon Fuels
Zheng Ying	Natural Sciences and Engineering Research Council	Prototype of a Dynamic Cyclone for Separation of Particulate Matter
Zheng Ying	Natural Sciences and Engineering Research Council	Selective Transformation of Lignocellulose to Hydrocarbon Chemicals in One Reactor
Doucet Shelley	NB Children's Foundation	NB Virtual Health Center for Children
Holtmann Catherine	NB Department of Education & Early Childhood Development	Aftergrad NB: Automated Application for Admission and Financial Assistance to New Brunswick Universities & Subsequent Enrolment
Morrison William	NB Department of Education & Early Childhood Development	Regional Planning & Online Training Development
Frego Katherine	NB Department of Natural Resources & Energy	Bryophyte Biodiversity in Grand Lake Meadows Protected Natural Area
Heard Stephen	NB Department of Post Secondary Education, Training & Labour	Host Shifts and Host Association Differentiation in Leaf Miner Communities on Asteraceae
Romero-Zeron Laura	NB Department of Post Secondary Education, Training & Labour	Adsorptive Membranes Based on Natural Fibres Selective to Hydrophobic Compounds
Brunt Keith	NB Health Research Foundation	Promotion of Coronary Re Endothelialization Post Stent Injury by Increasing the HO1 Levels Through Nanoparticle Delivery of Curcumin
Brunt Keith	NB Health Research Foundation	Heme Oxidative Stress
Brunt Keith	NB Health Research Foundation	Nanomedicine for Cardiovascular Disease: High-Density Lipoprotein Mimetic Nanoparticle Delivery of Therapeutics to Atherosclerotic Lesions
Doucet Shelley	NB Health Research Foundation	New Brunswick Community of Practice in Interprofessional Education and Practice Workshop
Doucet Shelley	NB Health Research Foundation	Jarislowsky Research Chair
Eisler Sara	NB Health Research Foundation	Targeted Drug Delivery and Release: Multi-Functional Small Molecule Vectors
Gray Christopher	NB Health Research Foundation	Stimulating Natural Product Biosynthesis in Fungal Endophytes
Hamilton Ryan	NB Health Research Foundation	Addressing Loss & Fostering Hope for New Brunswick Cancer Survivors with Lymphedema: An Intervention Pilot Study
Kienesberger Petra	NB Health Research Foundation	Role of Autotaxin in Obesity Induced Cardiomyopathy
Kienesberger Petra	NB Health Research Foundation	The Role of Autotaxin in Obesity-Related Hypertrophic Cardiomyopathy
Kuruganti Usha	NB Health Research Foundation	The Development of an Isokinetic Adapter Tool for Prosthesis Users
McGibbon Chris	NB Health Research Foundation	Summer Studentship in Biomechanics of Robotic Exoskeleton Walking Devices for Rehabilitation
Miedema Baukje	NB Health Research Foundation	Accessing Mental Health Services in Primary Care Settings: Patient and Physician Experiences and Barriers
O'Donnell Susanne	NB Health Research Foundation	Masculinities, Lifetime Violence Exposure and Health
O'Sullivan Lucia	NB Health Research Foundation	Depression and Suicidality Following a Romantic Breakup in Late Adolescence
Peters Paul	NB Health Research Foundation	Spatial & Social Inequalities in Health & Health Service Delivery
Pulinilkunnil Thomas	NB Health Research Foundation	Discovering & Characterizing Molecular Mechanisms of Amino Acid Signaling and Metabolism

## UNB Grants (recorded by ORS) ...page 7 of 13

Name	Grant	Description
Pulinilkunnil Thomas	NB Health Research Foundation	Proteotoxic Basis for Diabetic Cardiomyopathy
Pulinilkunnil Thomas	NB Health Research Foundation	Role of Lysosomal autophagy in Doxorubicin Cardiomyopathy
Pulinilkunnil Thomas	NB Health Research Foundation	Role of Amino Acid Metabolizing Enzymes in Muscle Insulin Resistance
Rickards Tracey	NB Health Research Foundation	Gay Men, Prostate Cancer and What Comes After?
Scheme Erik	NB Health Research Foundation	Integration of Sensors for Improved Pattern Recognition Based Control of Prostheses
Scheme Erik	NB Health Research Foundation	MEC '14
Scheme Erik	NB Health Research Foundation	Establishment Grant for Erik Scheme
Scheme Erik	NB Health Research Foundation	MedTech NB Workshop
Scott-Storey Kelly	NB Health Research Foundation	Masculinities, Lifetime Violence Exposure & Health
Sensinger Jon	NB Health Research Foundation	Improving SCI-Patient Control Using Exoskeletons
Valentine Kathleen	NB Health Research Foundation	Building Capacity for Transforming Healthy Aging Care Delivery
Wilkins Krista	NB Health Research Foundation	Scoping Review: Using Visual Arts Methodologies to Translate Cancer Survivorship Research
Wilkins Krista	NB Health Research Foundation	Supportive Care for Cancer Survivors in the Parish Nursing Context
Addison Jason	NB Innovation Foundation	Sea Urchin Genomics and Brookstock Development: Examining Allelic Variants at Genes Identified as Important in the Adaptation to Warm Water
Albert Wayne J.	NB Innovation Foundation	Sub from U de M: Force 3 Innovations Inc.
Balcom Bruce J.	NB Innovation Foundation	Cryogen Free, Variable Free, Magnetic Resonance Imaging of Fluids in Porous Media
Bateman Scott	NB Innovation Foundation	Start up to Recruit Scott Bateman
Benfey Tillmann J.	NB Innovation Foundation	Addressing the Physiological Limitations of Triploid Fish: Temperature Tolerance
Benfey Tillmann J.	NB Innovation Foundation	Addressing the Physiological Limitations of Triploid Fish: Red Blood Cell Turnover
Bhavsar Virendra C.	NB Innovation Foundation	Weighted Graph Similarity and Applications to e-Health and Social Networks
Biletskiy Yevgen	NB Innovation Foundation	Integration of Web-Based Business Rules
Biletskiy Yevgen	NB Innovation Foundation	Ontology Engineering for Business Rules Interoperation
Carretero Juan A.	NB Innovation Foundation	Cable Driven and Other Redundant Parallel Manipulators
Chen Zengtao	NB Innovation Foundation	Modelling Part Distortion in High Speed Machining of Aerospace Aluminum Alloys
Chibante Felipe	NB Innovation Foundation	Fullerene Manufacture for the Solar Energy Market
Chui Ying Hei	NB Innovation Foundation	Understanding the Influence of Component Properties on Mechanical Properties of Cross Laminated Timber
Chui Ying Hei	NB Innovation Foundation	Testing Material Properties & Designing Tiles for DJ Smearer Inc.
Chui Ying Hei	NB Innovation Foundation	NBIRC in Advanced Wood Products & Construction
Chui Ying Hei	NB Innovation Foundation	Development of Floor Vibration Design Method for Cross Laminated Floor Systems
Chui Ying Hei	NB Innovation Foundation	Evaluation of Thermal Performance of the Innovative Yurt Building
Chui Ying Hei	NB Innovation Foundation	Next Generation Engineered Wood Products and Building Assemblies
Cook C. Paul	NB Innovation Foundation	Automating Dictionary Construction for Better Natural Language Processing
Cunjak Rick	NB Innovation Foundation	How Do Storage Reservoirs Affect Fishes Downstream?
Deslongchamps Ghislain	NB Innovation Foundation	Highly-Efficient Core-Corona Structured Bifunctional Catalyst for Air-Breathing Electrodes
Domene Jose	NB Innovation Foundation	Transitioning from Post-Secondary Education into the Workforce as a Function of Mental Health, Social Supports, and Employment Characteristics
Domene Jose	NB Innovation Foundation	Facilitating the Career Development of International Students' Accompanying Spouses
Dubay Rickey	NB Innovation Foundation	Smart Sensor System for Energy Monitoring and Efficiency in Plastics Packaging - Phase 1

## UNB Grants (recorded by ORS) ...page 8 of 13

Name	Grant	Description
Duffy Michael	NB Innovation Foundation	Translational Research to Reduce or Prevent Disease Caused by a Parasite that is Limiting Atlantic Cod Aquaculture
Eic Mladen	NB Innovation Foundation	Pressure Swing Adsorption for Removal of Air Pollutants from Different Industrial Streams
Eic Mladen	NB Innovation Foundation	Development of New Adsorbent for Selective Removal of Halogenated Anesthetics
Eisler Sara	NB Innovation Foundation	Materials for Organic Light Emitting Diodes and Photovoltaic Cells
Eisler Sara	NB Innovation Foundation	Materials for Organic Light Emitting Diodes and Photovoltaic Cells
El Naggar Hany	NB Innovation Foundation	Innovative Fill Material
Englehart Kevin	NB Innovation Foundation	Myoelectric Control of Prosthetic Limbs
Garland Philip	NB Innovation Foundation	Specialized Piezoelectric Sensors for Cutting Force Characterization during Metal Cutting
Gerber Andrew G.	NB Innovation Foundation	High-Resolution GPU Modeling of Ocean Waves for Advanced Design of Ocean Vessels and Structures
Gerber Andrew G.	NB Innovation Foundation	Start-Up Grant for Dr. Mohsen Mohammadi
Gerber Andrew G.	NB Innovation Foundation	Dr. Gobinda Saha Recruitment: Development of Smart Nano-Structured Materials for Energy/ Environmental Applications
Gong Meng	NB Innovation Foundation	Development of a Non-Destructive Testing Method for CLT Quality Control
Gong Meng	NB Innovation Foundation	Development of High-Performance and Material-Efficiency Composite CLT
Gong Meng	NB Innovation Foundation	Development of an On-Line Destructive Testing System for Determining the Elastic Parameters of Structural Wood Composite Panels
Gray Christopher	NB Innovation Foundation	Natural Products from New Brunswick Medicinal Plants and Endophytic Fungi as Anticancer Drug Leads
Gray Christopher	NB Innovation Foundation	Natural Products from New Brunswick Endophytic Fungi as Antibiotic Drug Leads
Hall Joseph	NB Innovation Foundation	More Efficient Nozzle Designs for Aircraft De-icing and Anti-icing
Hall Joseph	NB Innovation Foundation	Accelerating Cylinder Measurements for Computational Fluid Dynamics Validation
Hanson Trevor	NB Innovation Foundation	Assessment of the Potential to Employ International Roughness Index (IRI) Values Determined Using Low-Cost Consumer Devices as Input to the Seasonal Load Restriction Implementation Decision Making Process
Hanson Trevor	NB Innovation Foundation	Cataloguing Real-Time Hazardous Goods Movement By Rail in Dark Territory
Heard Stephen	NB Innovation Foundation	Predicting the Joint Impact of Brown Spruce Longhorn Beetle and Spruce Budworm on New Brunswick Forests
Holloway A. Gordon L.	NB Innovation Foundation	Advanced Simulation for Real Time Monitoring and Diagnosis of Vibration in Process Equipment
Holloway A. Gordon L.	NB Innovation Foundation	Droplet Transport in Turbulent Flow
Jayachandran P.T.	NB Innovation Foundation	Development & Testing of High Frequency (HF) Communication Protocol System for the Canadian Arctic
Jeans Tiger	NB Innovation Foundation	Experimental Investigation of the Hydrodynamic Interactions of Atlantic Salmon Aquaculture Arrays
Jeans Tiger	NB Innovation Foundation	Computational Investigation of the Effects of Turbulence on Tidal Turbine Performance
Johnson John A.	NB Innovation Foundation	Novel Drug Discovery from Medicinal Plants and Their Associated Endophytes
Kershaw John A.	NB Innovation Foundation	Improved Inventory Estimates Using Multisource Data
Kiani Amirianoosh	NB Innovation Foundation	Synthesis of 3D Nanostructured Materials Induced by Megahertz-Repetition Ultrashort Laser Pulses for Osseointegration
Kiani Amirianoosh	NB Innovation Foundation	Oil Clean-Up Using Electrospun Nanofibers
Kieffer James	NB Innovation Foundation	The Importance of Temperature and Water Velocity on the Physiology and Growth of Shortnose Sturgeon: Development of Alternate Growing Strategies for Shortnose Sturgeon.
Kienesberger Petra	NB Innovation Foundation	Development of a Zebrafish Platform to Support Commercial Screening of Environmental and Biomedical Chemicals, Pollutants and Toxins in New Brunswick

## UNB Grants (recorded by ORS) ...page 9 of 13

Name	Grant	Description
Kienesberger Petra	NB Innovation Foundation	A Multiuser Small Animal in Vivo Imaging System for Tracking Novel Molecular Probes and Biomarkers
Kyberd Peter	NB Innovation Foundation	Application of a Novel Prosthetic Wrist Design Using Residual Body Motion
Leblon Brigitte	NB Innovation Foundation	Use of Imaging Systems in the Wood Manufacturing Industry
Leblon Brigitte	NB Innovation Foundation	NIR Spectroscopy Modeling for Estimating Wood Properties
Lentz David	NB Innovation Foundation	Geometallurgical Analysis of Au-Ag Mineralisation in the Caribou Base Metal VMS Deposit, New Brunswick: A Premetallurgical Analysis to Enhance Precious Metal Recoveries
Li Howard	NB Innovation Foundation	Development of Training Techniques for Civilian Unmanned Aerial Vehicles
Li Howard	NB Innovation Foundation	Civilian Unmanned Aerial Vehicle for Forestry
Li Howard	NB Innovation Foundation	Research and Development of Civilian Unmanned Aerial Vehicles
Li Kecheng	NB Innovation Foundation	Inter Stage Screening & Biotechnology for Energy Saving in the Mechanical Pulping Process
Li Kecheng	NB Innovation Foundation	Innovative Nanocellulose Fibres and High-Tech Biocomposites Technologies
MaGee David I.	NB Innovation Foundation	Pheromones for Insect Pest Management: An Improved Synthesis of the Spruce Budworm Pheromone
Martyniuk Christopher	NB Innovation Foundation	Molecular Tools for Environmental Assessments for Selenium Generated from Coal Mining Activity
Martyniuk Christopher	NB Innovation Foundation	Development and Validation of a Zebra Fish Embryo Bioassay as a High Throughput Screen for Natural Products that Affect Angiogenesis
Martyniuk Christopher	NB Innovation Foundation	Development of a Zebra Fish Platform to Support Commercial Screening of Environmental and Biomedical Toxins in New Brunswick
McFarlane Christopher	NB Innovation Foundation	Materials Characterization Using Bench-Top Micro-ED-XRF Instrumentation
McGibbon Chris	NB Innovation Foundation	Undergraduate and Master's Training in Exoskeleton Biomechanics for Mobility Restoration
McGibbon Chris	NB Innovation Foundation	Dermoskeleton Technology for Improving Mobility & Reducing Disability
McGibbon Chris	NB Innovation Foundation	Undergraduate and Master's Training in Exoskeleton Biomechanics for Mobility Restoration
McGrady Sean	NB Innovation Foundation	New High Capacity Materials for Lithium Ion Batteries
Newling Ben	NB Innovation Foundation	Development of Magnetic Resonance Imaging (MRI) Methods for Measuring Foam Flow
Ni Yonghao	NB Innovation Foundation	Novel Paper-based Straps for Pulp Baling and Packaging
Ni Yonghao	NB Innovation Foundation	Improvement of the Pulp Properties from the Pre-Hydrolysis Kraft and Sulfite Based Dissolving Pulp Manufacturing Processes
Ni Yonghao	NB Innovation Foundation	Development of Paper Based Antennas for Use in Ultra High Frequency (UHF) Radio Frequency Identification (RFID)
Nickerson Bradford G.	NB Innovation Foundation	Real-Time Indoor Positioning of Mobile Objects
Pavey Scott	NB Innovation Foundation	Aquatic Molecular Ecology & Ecological Genomics
Rahim Abdur	NB Innovation Foundation	Integrated Optimization Modeling in Quality Control, Production, Planning, Inventory Control and Maintenance
Ray Suprio	NB Innovation Foundation	Start up to Recruit Suprio Ray
Scheme Erik	NB Innovation Foundation	Reseach Chair in Medical Devices & Technologies
Scheme Erik	NB Innovation Foundation	MEC '14
Scheme Erik	NB Innovation Foundation	Advancements Towards the Commercialization of Pattern Recognition Based Prosthetic Control
Scheme Erik	NB Innovation Foundation	NB Innovation Research Chair in Medical Devices & Technologies
Sensinger Jon	NB Innovation Foundation	Exploration of Optimal Prosthesis Feedback Information Using Computational Motor Control
Simoneau Andy	NB Innovation Foundation	Energy Monitoring and Characterisation in CNC Machining Processes - Phase 2
Simoneau Andy	NB Innovation Foundation	Power and Energy Prediction of Industrial Part Manufacturing and Machining
Sloat Elizabeth A.	NB Innovation Foundation	Animated Book Reading as a Professional Development Strategy for Early Childhood Educators



## UNB Grants (recorded by ORS) ...page 10 of 13

Name	Grant	Description
Smith Ian	NB Innovation Foundation	Technologies for Suppressing Vibrations in Structural Systems Built or Retrofitted with Prefabricated Elements
Smith Ian	NB Innovation Foundation	Cost Effective Modal Response Modification Technology for Ultra-lite and Other Structures
Stakhanova Natalia	NB Innovation Foundation	Cyber Security
Stakhanova Natalia	NB Innovation Foundation	Detecting Repackaged Android Apps
Stakhanova Natalia	NB Innovation Foundation	Anti-Child Exploitation System (ACES)
Stakhanova Natalia	NB Innovation Foundation	Anti-Child Exploitation System
Wachowicz Monica	NB Innovation Foundation	Master Vehicle Data for Supporting Advanced Learning in Big Data Analytics
Wachowicz Monica	NB Innovation Foundation	Developing a Space Time Synchronization Process in Complex Road Transportation Networks
Willms J. Douglas	NB Innovation Foundation	First Nation Early Literacy Assessment and Intervention Pilot Project
Zheng Ying	NB Innovation Foundation	Development of a Renewable System Transforming Waste Motor Oil to Transportation Fuels for Small Business Owners
Zheng Ying	NB Innovation Foundation	Development of a Small Scaled Biorefinery for Biomass to Green Fuels
Curry Allen	NB Power	Mactaquac Aquatic Ecosystem Study: Environmental Science in Support of the Mactaquac Dam Renewal Project See ROME0 201300259 for Industry Cash Portion
Cameron Stewart	Networks of Centers of Excellence	Improvement of Quality & Efficacy of Natural Health Products & Dietary Supplements
Couturier Michel F.	Networks of Centers of Excellence	Optimization of Fine Solids Removal in Recirculating Aquaculture Systems
Couturier Michel F.	Networks of Centers of Excellence	Optimization of Makeup Water in a Recirculating Aquaculture
Dubay Rickey	Networks of Centers of Excellence	Intelligent Control Strategies for the Industrial Internet - Phase 1
Eic Mladen	Networks of Centers of Excellence	Development and Characterization of Metal Organic Frameworks for Industrial Gas (CO <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub> ) Separations
Hall Joseph	Networks of Centers of Excellence	Shear Stress Measurements on an Impulsively Started Cylinder
Hughes Clarke John	Networks of Centers of Excellence	Vertical Position Processing & Analysis for Hydrographic Data
Li Howard	Networks of Centers of Excellence	Enabling MEOPAR Missions with Autonomous Marine Systems
Li Kecheng	Networks of Centers of Excellence	Improving Process Stability of Mg-based Hydrogen Peroxide Bleaching of Mechanical Pulp
Light Thompson Janet	Networks of Centers of Excellence	Ad Hoc Self-Services Querying with Semantic Web Services: Core Technologies & Biomedical Use Cases
McGibbon Chris	Networks of Centers of Excellence	Optimization of a Deroskeleton for Human Performance in Clinical and Occupational Application
McGrady Sean	Networks of Centers of Excellence	Purification & Trapping of Biohydrogen
Ni Yonghao	Networks of Centers of Excellence	Improvement in Paper Tissue Production: Wet Strength and Stock Preparation
Nickerson Bradford G.	Networks of Centers of Excellence	Investigation of a Prototype Smart Musical Instrument Case Sensor
Petersen Brent	Networks of Centers of Excellence	Cloud Based Hybrid Low Cost Appliance Control and Monitoring System
Rochette Rémy	NL Department of Fisheries & Aquaculture	Assessment of Size-at-Age of Snow Crab Using a Method of Direct Age Determination in Different Sites in Eastern Canada
McGrady Sean	NOD Apiary Products Limited	Formic Acid Delivery Products for Beehive Protection
Benfey Tillmann J.	Northern Harvest Sea Farms Inc.	The Effect of Opercular Deformity on Fish Welfare and Aerobic Capacity
Thomas Michael	Portland Cement Association	Concrete Durability

## UNB Grants (recorded by ORS) ...page 11 of 13

Name	Grant	Description
Romero-Zeron Laura	Royal Embassy of Saudi Arabia	MSc. Funding: Salman Muryif Hassan Alribi
Dare Peter	Royal Institution of Chartered Surveyors - Education Trust	Improving Monitoring of Bodies Using a 3D Laser Scanner
Andrews Jennifer	Social Sciences and Humanities Research Council	Americans Write Atlantic Canada
Ball John C.	Social Sciences and Humanities Research Council	Studies in Canadian Literature
Bourgeois Yves	Social Sciences and Humanities Research Council	Sub from U de M: Réseau CompÉTICA: Partenariat Stratégique Pour Comprendre L'écosystème, L'adaptabilité et le Transfert des Compétences Numériques
Bourgeois Yves	Social Sciences and Humanities Research Council	Sub from U of T: Creating Digital Opportunity: Canada's ICT Industry in Global Perspective
Burns David	Social Sciences and Humanities Research Council	Aid to Small Universities Grant
Domene Jose	Social Sciences and Humanities Research Council	Career Development in Accompanying Partners of International Post-Secondary Students
Holtmann Catherine	Social Sciences and Humanities Research Council	Aftergrad NB: Automated Application for Admission and Financial Assistance to New Brunswick Universities & Subsequent Enrolment
Kristmanson Paula	Social Sciences and Humanities Research Council	Canadian Journal of Applied Linguistics
Mancke Elizabeth	Social Sciences and Humanities Research Council	Unrest, Violence, and the Search for Social Order in British North American and Canada, 1749-1876
McDonald Ted	Social Sciences and Humanities Research Council	Sub from UWO: Pathways to Prosperity: New Policy Directions and Innovative Local Practices for Newcomer Integration and Attraction
Mullally Sasha	Social Sciences and Humanities Research Council	Acadiensis: Journal of the History of the Atlantic Region
Papaioannou Maria	Social Sciences and Humanities Research Council	New Investigations of the Basilica of Christ of Jerusalem on the Island Kalymnos Based Upon Terrestrial Laser Scanning Data
Poulin Carmen	Social Sciences and Humanities Research Council	Sub from STU: Life Stories of Elder Elders in New Brunswick: Tales of resilience, identity, and longevity
Waite Gary K.	Social Sciences and Humanities Research Council	Amsterdammified! Religious Dissenters, Anti-Providential Ideas and Urban Associationalism in the Emergence of the Early Enlightenment in England and the Low Countries, 1540-1700
Wiber Melanie G.	Social Sciences and Humanities Research Council	An Ethnographic Study of Risk Assessment in Coastal Management: Resource Sustainability and Community Resilience
McGrady Sean	Solarvest (PEI) Inc.	Purification and Trapping System for Biogenerated Hydrogen
McGibbon Chris	Spring Loaded Technology Inc.	Biomechanical and Physiological Effects of Using an Active Assist Knee Brace During Activity of Daily Living
Ashfield Kelly	Springboard Atlantic	UNB Research Video
Cook William	Springboard Atlantic	Hydrogen Permeating Device (HPD) / HPPro System
Preston Scott	Springboard Atlantic	Commercial Knowledge Based Filmmaking in Atlantic Canada
Scheme Erik	Springboard Atlantic	MEC '14
Zhang Yun	Springboard Atlantic	Sensor System for Creating High Spatial Resolution
Zhang Yun	Springboard Atlantic	3D Online Mapping
Zhang Yun	Springboard Atlantic	Supervised Segmentation for Information Extraction from Remote Sensing Imagery
Baker Christopher	Think Dirty Inc.	Cosmetics Product Safety, Knowledge and Data Management
Lentz David	Trevali Mining Corporation	Geometallurgical Study of the Precious Metals in the 6 to 7 Ore Lenses at the Caribou Zinc-Lead Deposit, New Brunswick

## UNB Grants (recorded by ORS) ...page 12 of 13

Name	Grant	Description
Chui Ying Hei	Truall Building Components	Optimized Design of Wooden Heavy Equipment Mat
Johnson John A.	Universite de Moncton	Novel Drug Discovery from Medicinal Plants and Their Associated Endophytes
Carr Tracy	University of Alberta	The Meaning & Impact of a Spiritually-based 12-Step Recovery Program for Women in Addiction Recovery
Bachvarova Mira	University of New Brunswick	1. Polygamy, Gender Equality and Family Policy in Canada 2. Territorial Rights
Bassett Carolyn	University of New Brunswick	Global Finance Rediscovered Africa: Risk? Or Opportunity?
Benfey Tillmann J.	University of New Brunswick	Recovery of Neural Function in Lobsters Following Exposure to Sea Lice Pesticides
Bouchard Danielle	University of New Brunswick	Novel Strategy to Reach the National Physical Activity Guidelines in Canadians Obese Adults: Pilot Study
Bruning Patrick	University of New Brunswick	A Test of the Motivation, Structure, Processes, and Outcomes of the Seven Dimensions of Job Crafting
Campbell Mary Ann	University of New Brunswick	Police-Youth Engagement and Youth Outcomes in the Context of Youth Diversion from the Criminal Justice System
Chalmers Lee	University of New Brunswick	Coping Mechanisms & Health Outcomes of Single Mothers in Saint John
Christie James	University of New Brunswick	Exact & Efficient Solutions
Cook C. Paul	University of New Brunswick	Continuous Vector Representations of Words for Word-Sense Disambiguation and Word-Sense Induction
Davies Gwendolyn	University of New Brunswick	The Satirist Satirized: The Reverend Jonathan Odell in New Brunswick's Capital: 1784-1818
Du Donglei	University of New Brunswick	University Research Scholar
Duffy Michael	University of New Brunswick	Translational and Basic Parasitology in Support of NSERC Engage and NSERC Discovery Grant funding
Garland Philip	University of New Brunswick	A Piezoelectric Micro-Array Sensor for Cutting Force Measurement During Metal Machining Processes
Hamm Lyle	University of New Brunswick	The Impact and Implications of Immigration and Demographic Changes on Educators, Families and Community Members in New Brunswick
Hanson Trevor	University of New Brunswick	Cataloguing Real-Time Hazardous Goods Movement by Rail in Dark Territory
Hill Virginia	University of New Brunswick	University Research Scholar Award
Hill Virginia	University of New Brunswick	The Syntax of Direct Addresses in Canadian French
Houlahan Jeff	University of New Brunswick	Estimating the Effects of Climate Change on Small Temporary Wetlands
Keyes Beth	University of New Brunswick	Faculty Awareness and Understanding of Learning Disabilities
Kiani AmirKianoosh	University of New Brunswick	Synthesis of bio-functionalized micro/nano textured surfaces on Ti substrate using nanosecond laser pulses
Levitt Jeremy Isaac	University of New Brunswick	Research Account for Vice Chancellor Chair
Linton Colan	University of New Brunswick	Laser Spectroscopy of Small Metal Containing Molecules
MacIsaac Dawn	University of New Brunswick	Entropy Metrics Applied to Surface Electromyography
Marquis Gregory	University of New Brunswick	The Boy Problem in Early 20th Century Saint John
Martin Randall	University of New Brunswick	Shakespeare Our Eco-Contemporary
Milner J. Marc	University of New Brunswick	Normandy 1944: the Battle for History
Moir Rob	University of New Brunswick	Three Essays on the Social Economy - Evidence Based Policy Development Research Priority Area
Morton Erin	University of New Brunswick	Unsettling Canadian Art History
O'Donnell Susanne	University of New Brunswick	Understanding Conditions that Promote Effective Management of Workplace Bullying
Pavey Scott	University of New Brunswick	Full Genome Sequencing of the Striped Bass

## UNB Grants (recorded by ORS) ...page 13 of 13

Name	Grant	Description
Peters Paul	University of New Brunswick	Database Generation and Data Visualization of Social and Spatial Determinants of Health
Rajora Om	University of New Brunswick	Genetic Basis of Responses and Adaptation of Red Spruce to Climate Change
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
Savidge Rodney A.	University of New Brunswick	Terpenoids of Porsild Spruce
Senechal Martin	University of New Brunswick	Impacts of Resistance Training on Acute Secretion of Irisin in Obese Older and Young Adults
Stewart Connie	University of New Brunswick	New Statistical Tools for Quantitative Fatty Acid Signature Analysis
Voyer Daniel	University of New Brunswick	University Research Scholar Award
Wachowicz Monica	University of New Brunswick	Cisco Mitacs Project
Watmough James	University of New Brunswick	University Research Scholar Award
Wright Donald	University of New Brunswick	Ramsay Cook: A Biography
Cook C. Paul	Vertical Scope Inc.	Automatically Building Vocabularies from Web Forum Text
Arp Paul A.	World Wildlife Fund Canada	Climate Scenario Mapping in the St. John River Valley

