



## 2009-10 NSHRF Competition Announcements

### Student Research Awards: Funded Recipients

#### Program

The objective of the SRA is to reward student research excellence and provide assistance for students undertaking their own research project or program as part of their thesis-based graduate degree studies at the Masters, Doctorate, and Post Doctorate level.

#### Funding:

- Masters - \$16,824 per year for a maximum of one year
- Doctorate (PhD) - \$19,030 per year for a maximum of one year
- Post Doctorate - \$35,000 per year for a maximum of one year

**Applicants Approved for Funding: 59      Total Funding: \$ 944,104.00**

Applicant's Name Department/Faculty/School Institution	Supervisor(s)	Project Title	Award
<b>Rob B. Adamson*</b> Biomedical Engineering Dalhousie University	Jeremy Brown/ Manohar Bance	An Ultrasonic Probe for Imaging the Human Cochlea	Post Doc
<b>Amanda M.E. Bettle</b> School of Nursing Dalhousie University	Margot Latimer	Increasing Parental Involvement to Reduce Acute Procedural Pain in Children with Acute Lymphoblastic Leukemia: A Pilot Intervention Study	Masters
<b>Amy L. Butler</b> School of Occupational Therapy Dalhousie University	Brenda Beagan	The Effects of Social Class on the Health and Occupations of Single Mothers Receiving Social Assistance in Nova Scotia	Masters
<b>Leslie Anne Campbell</b> Interdisciplinary PhD Program Dalhousie University	George Kephart/ Eva Grunfeld	Excess Mortality due to Colorectal Cancer among Adults with Mental Illness in Nova Scotia	PhD
<b>Terry R.L. Colbourne</b> Biochemistry & Molecular Biology Dalhousie University	Neale Ridgway/ Laurent Kreplak	The Role of Oxysterol-Binding Protein Related Protein 4 (ORP4) in Intracellular Cholesterol Transport	Masters
<b>Kendra Cann</b> Pathology Dalhousie University	Graham Dellaire	Analysis of the Functional Interplay Between PML, TopBP1, and ATR in the Maintenance of Genome Stability and Tumour Suppression	Post Doc

\* Award Declined

<b>Applicant's Name Department/Faculty/School Institution</b>	<b>Supervisor(s)</b>	<b>Project Title</b>	<b>Award</b>
<b>Janet R. Conrad</b> Biomedical Engineering Dalhousie University	Cheryl Kozey/ Janie Astephen	Estimating Muscle Forces in Those With Moderate OA: Can Unloader Braces Reduce Medial Impact Loading?	Masters
<b>Christopher D. Cowper-Smith*</b> Psychology & Neuroscience Dalhousie University	David Westwood	Cortical Plasticity and Control of Movement Direction in Motor Cortex Following Stroke	PhD
<b>Fiona D. Davidson</b> Psychology Mount Saint Vincent University	Penny Corkum/ Nezihe Elik	Daytime Sleepiness in Children with ADHA: How Sleepy Are They?	Masters
<b>Paul W.H. Dawson</b> Microbiology & Immunology Dalhousie University	Christopher Richardson	Role of X Protein (HBx) of Hepatitis B Virus (HBV) in Regulation of Autophagy	Masters
<b>Heidi J. Deal</b> Atlantic Research Training Centre Dalhousie University	Neil MacKinnon	SafetyNET: Insights and Lessons Learned from a Pilot Project	Masters
<b>Sarah Dhooge</b> Health Professions Dalhousie University	Elizabeth Kay-Raining Bird	Internal State Language and Theory of Mind in Children with Autism	Masters
<b>Claudette D'Souza</b> School of Human Communication Disorders Dalhousie University	Elizabeth Kay-Raining Bird	Assessing the Need for and Availability of Speech-Language Pathology Services in Languages Other than English or French	Masters
<b>Danielle Durepos</b> Psychology Department Saint Mary's University	Lori Francis	Examining Acute and Chronic Stressors in Paramedics and the Factors that Influence Recovery	PhD
<b>Matthew C. Ernst</b> Pharmacology Dalhousie University	Christopher Sinal	The Effect of Chemerin on Glucose Homeostasis	PhD
<b>Kristin M. Fossum</b> Psychology Dalhousie University	Isabel Smith	Predicting Outcomes for Children with Autism Spectrum Disorders in the Nova Scotia Early Intensive Behavioural Intervention Program	PhD
<b>Erin K. Fredericks</b> Interdisciplinary PhD Dalhousie University	Brenda Beagan	Transforming Illness: Learning from Women as they Experience Breast Cancer in Nova Scotia	PhD
<b>Mary P. Frenette</b> Community Health & Epidemiology Dalhousie University	Kathleen MacPherson	Exploring a Possible Relationship Between Residential Setting and Health Service Access by Individuals Living with Intellectual Disabilities in Central Nova Scotia	Masters

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<b>Gerard J. Gaspard</b> Biochemistry & Molecular Biology Dalhousie University	Christopher McMaster	Inherited Infantile X-linked Cardiomyopathies: Understanding the Molecular Function of Tafazzin	PhD
<b>Jodie Gawryluk</b> Psychology Dalhousie University	Ryan D'Arcy	A Multimodal Approach to Surgical Planning in Temporal Lobe Epilepsy	PhD
<b>Aislin R. Graham</b> Psychology Dalhousie University	Simon Sherry	Perfectionism Model of Depressive Symptoms: Tests of an Integrative Model	PhD
<b>Maha M. Hammad</b> Pharmacology Dalhousie University	Denis Dupré	The Specificity of Signaling of $\beta$ 2- Adrenergic/Angiotensin (AT1) Heterodimeric Receptor Complex	Masters
<b>Michael Hart-Matyas</b> Pathology Dalhousie University	Timothy Lee	Role of CD8+ T Cells in Allograft Vasculopathy	Masters
<b>Gillian L. Hatfield</b> Engineering Department Dalhousie University	Cheryl Kozey	The Effects of Muscular Impairment on Biomechanical and Neuromuscular Gait Parameters	PhD
<b>Bo-Ram Hong</b> Clinical Vision Science Dalhousie University	Johane Robitaille/ Paul Artes	Visual Functions in School-Age Children with History of Prematurity	Masters
<b>Anna Huguet Rosello</b> Psychology IWK Health Centre	Patrick McGrath	Development and Initial Testing of a Smartphone-Based Psychological Treatment for Adolescents with Headache	Post Doc
<b>Kate Johnston</b> Health Promotion Program Dalhousie University	Lois Jackson	An Examination of the Perceived Barriers to and Enablers of Active Trasporation for Midlife Women Living in Halifax, Nova Scotia	Masters
<b>Barry E. Kennedy</b> Biochemistry & Molecular Biology Dalhousie University	Barbara Karten	Cholesterol Trafficking to Mitochondria in Neurodegeneration	Masters
<b>Linette D.K. Lawlor-Savage*</b> Psychology Dalhousie University	Richard Wassersug	Personality as a Predictor of Psychosocial Adjustment in Prostate Cancer Patients and their Intimate Female Partners	Masters
<b>Marissa A. LeBlanc</b> Biochemistry & Molecular Biology Dalhousie University	Christopher McMaster	The Role of Membrane Binding in the Function of the Oxysterol Binding Protein Kes1	PhD

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<b>Kathryn A. Lightfoot</b> Faculty of Health Professions Dalhousie University	Christopher Blanchard	The Bidirectional Relationship Between Exercise and Body Image in People Living with Heart Disease	Masters
<b>Ian R. Macdonald</b> Anatomy & Neurobiology and Neurosciences Dalhousie University	Sultan Darvesh	Development of Butyrylcholinesterase Ligands for the Neuroimaging and Diagnosis of Alzheimer's Disease	Masters
<b>Philippe Magown</b> Anatomy and Neurobiology Dalhousie University	Robert Brownstone	Restoration of Motor Activity After Transplantation of Mouse Embryonic Stem Cell Derived Motor Neurons in Peripheral Nervous System Denervation Models	Masters
<b>Cynthia M. Mann</b> Faculty of Health Professions Dalhousie University	Erna Snelgrove-Clarke/ Megan Aston	Knowledge and Attitudes Regarding Postpartum Depression of Community Health and Postpartum Nurses: An Exploratory Study	Masters
<b>Jennifer Martinell</b> Psychology Saint Mary's University	Lori Francis	The Influence of Gender on Incivility in Work-Related Email Communication	Masters
<b>Autumn Meek</b> Department of Chemistry Dalhousie University	Donald Weaver	Discovering Disease Altering Therapeutics for Alzheimer's Disease	PhD
<b>Jill M. McSweeney</b> Health & Human Performance Dalhousie University	Christopher Blanchard	Social Ecological Correlates of Exercise After Cardiac Hospitalization	Masters
<b>Jessica Moore</b> Microbiology & Immunology Dalhousie University	Jun Wang	The Role of Natural Regulatory T Cells in Host Response to Chlamydia Trachomatis Genital Tract Infection	PhD
<b>Robyn Murphy</b> Physiotherapy Dalhousie University	Gail Dechman/ Richard Wassersug	The Physiological and Psychosocial Effects of Aerobic and Resistance Exercise in Men with Prostate Cancer who are Undergoing Androgen Deprivation Therapy	Masters
<b>Lesley K.D. Newhook</b> English Department Dalhousie University	Marjorie Stone	Mending Rational Minds and Sensitive Souls: Health and Healing in Later-Victorian Culture and in Present Health Contexts	PhD
<b>Cecilia M. Newton*</b> Anatomy & Neurobiology Dalhousie University	Frank Smith	Autonomic Innervation of the Heart in Zebrafish and Goldfish	Masters

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<b>Applicant's Name Department/Faculty/School Institution</b>	<b>Supervisor(s)</b>	<b>Project Title</b>	<b>Award</b>
<b>Timothy P. O'Leary</b> Psychology/Neuroscience Dalhousie University	Richard Brown	Neurodegeneration. Short-Term and Long-Term Memory in the 5XFAD Mouse Model of Alzheimer's Disease	PhD
<b>Janine V. Olthuis</b> Psychology Dalhousie University	Margo Watt	Brief Cognitive Behavioural Treatment for High Anxiety Sensitivity: Effects on Explicit and Implicit Catastrophic Misinterpretations of Arousal Sensations	PhD
<b>Kristen Ralph</b> Community Health & Epidemiology Dalhousie University	Susan Kirkland	Longitudinal Effects of Vitamin D on Bone Mineral Density for Participants from Nine Canadian Regions	Masters
<b>Jolene A. Read</b> Microbiology & Immunology Dalhousie University	Roy Duncan	Structure-Function Analysis of the Reovirus Fusion-Associated Small Transmembrane (FAST) Proteins	PhD
<b>Devon P. Richardson*</b> Community Health & Epidemiology Dalhousie University	Paul Johnson/ Geoffrey Porter	Nova Scotia Rectal Cancer Project: A Population Based Assessment of Quality and Outcomes in Rectal Cancer	Masters
<b>Matthew P. Ryan</b> Kinesiology Dalhousie University	Raymond Klein	Function Outcomes of Prism Adaptation in Unilateral Neglect	Masters
<b>Nathalie Saint-Jacques</b> Medicine Dalhousie University	Louise Parker	Arsenic and Cancer Risk in Nova Scotia	PhD
<b>Andrea Scobie</b> Interdisciplinary Studies Dalhousie University	Neil MacKinnon	Engaging Patients in Patient Safety	PhD
<b>Meaghan Sim</b> Interdisciplinary PhD Program Dalhousie University	Sara Kirk	Choice of Circumstance – Exploring Breastfeeding Practice as Influenced by Maternal Weight Status and Food Insecurity in Low Income, Nova Scotian Mothers	PhD
<b>Joanna E. Slusar</b> Pharmacology/ Neuroscience Dalhousie University	Melanie Kelly	The Impact of Advanced Age on Retinal Microvasculature in the Animal Models of Glaucoma	Masters
<b>Naomi Stright*</b> Psychology Acadia University	Michael Leiter	What's The Use of Excuses? Implications of Incivility Rationales in the Workplace	Masters
<b>Brenda Tse</b> Pathology Department Dalhousie University	Graham Dellaire	The Role of Promyelocytic Leukemia (PML)-Isoform I Specific Protein-Protein Interaction in the Regulation of Post-Transcriptional Gene Expression	Masters

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<b>Jennifer Vriend</b> Clinical Psychology PhD Program Dalhousie University	Penny Corkum/ Benjamin Rusak	Effects of Sleep on Daytime Functioning in Children	PhD
<b>Kirsten A. Walker</b> Community Health & Epidemiology Dalhousie University	Susan Kirkland	Retrospective Cohort Study of Coronary Heart Disease in the Older HIV-Positive Population	Masters
<b>Samantha White*</b> Community Health & Epidemiology Dalhousie University	Donald Langille	Impact of Knowledge, Attitudes, Beliefs and Perceived Access Barriers on Intentions to Use Emergency Contraception in Women in Nova Scotia	Masters
<b>Leah M. Wood</b> Clinical Vision Science Program Dalhousie University	Francois Tremblay	The Impact of Anesthesia on Neuronal Activity: An In Situ Retinal Model Looking at Isoflurane, Propofol and N2O	Masters
<b>Paul Yaffe</b> Medical Sciences Dalhousie University	David Hoskin/ Mark Walsh	Growth Inhibitory Effect of the Phytochemical Piperine on Human Colon Carcinoma Cells	Masters
<b>Pascal D. Ziltener</b> Microbiology & Immunology Dalhousie University	Brent Johnston	The Role of Gamma Delta T Cells in Host Defence Against Pseudomonas Aeruginosa Lung Infection	Masters

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