

2010-11 NSHRF Competition Announcements

Student Research Awards: Recipients

Program

The objective of the Student Research Awards (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 Levels:

- 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 Funded: 52

Total Funding: \$887,327.66

Applicant's Name Department/Faculty/School Institution	Supervisor(s) (same institution as applicant unless indicated in brackets)	Project Title	Funding Level
Javier A. Alfaro Department of Biochemistry and Molecular Biology Faculties of Medicine & Science Dalhousie University	Andrew Roger	Understanding the Evolutionary Interplay Between Stability and Function Within a Protein Family	Masters
Robert J. Allan Interdisciplinary PhD Faculty of Graduate Studies Dalhousie University	Blye Frank	Impact of Marriage and Family Therapy for People who have Experienced Physical Trauma	PhD
Jessica N. Andrus (nee Baker) School of Human Communication Disorders - Audiology Faculty of Health Professions Dalhousie University	Steve Aiken Michael Kieffe	The Perception and Neural Representation of Individual Harmonies in Vowel Sounds and the Application to Hearing Disorders	Masters
Kristen Bailey Department of Psychology Clinical Psychology Acadia University	Lachlan MacWilliams	Using Attachment Theory to Predict Pain Support and Pain Support Preferences: An Actor Partner Interdependence Model Investigation	Masters
Rachel Barken Department of Sociology and Social Anthropology Faculty of Arts & Social Sciences Dalhousie University	Fiona Martin Robin Oakley	Intellectual Disabilities and Institutionalization in Nova Scotia: A Social Critique	Masters
Susan R. Battista Department of Psychology Faculty of Science Dalhousie University	Sherry Stewart	Do Internal Drinking Motives Moderate Within - Person Associations Between Mood and Drinking Behaviour? A Daily Diary Study Using Palm Pilots and Longitudinal Follow-Up	PhD

Applicant's Name Department/Faculty/School Institution	Supervisor(s) (same institution as applicant unless indicated by brackets)	Project Title	Funding Level
Erica Brooks School of Health and Human Performance Faculty of Health Professions Dalhousie University	Anita Unruh	Exploring the Lived Experience of Adults Using Opioids to Manage Chronic Non-Cancer Pain	Masters
Therese M. Chevalier Department of Psychology Faculty of Science Dalhousie University	Aaron Newman	Improving Preoperative Mapping for Neurosurgery: Multi-Modal Neuroimaging of Functional Brain Areas and Their Connectivity	PhD
Marta Ciechonska Department of Microbiology and Immunology Faculties of Medicine & Science Dalhousie University	Roy Duncan	Mechanisms of Enveloped and Non-Enveloped Virus Membrane Fusion	PhD
Katherine Connell Department of Sociology & Social Anthropology Faculty of Arts and Science Dalhousie University	Fiona Martin Yoko Yoshida	Managing Risk During Times of Pandemic: Whose Responsibility?	Masters
Mark T. Corkum Community Health and Epidemiology Faculty of Medicine Dalhousie University	George Kephart	Patterns of Care and Secondary Cancer Screening in Nova Scotian Colorectal Cancer Survivors	Masters
Fiona Davidson Department of Psychology Faculty of Arts and Science Mount Saint Vincent University	Penny Corkum	I Don't Want to Go To Bed Yet: Sleep Deprivation in Children With and Without ADHD	Masters
Patricia A. Dempsey Department of Sociology & Social Anthropology Faculty of Arts and Science Dalhousie University	Robin Oakley Christopher Murphy	Improving Continuing Care Services in Nova Scotia: Investigating the L'Arche Model of Care for People With Disabilities	Masters
Carolyn D. Doucette Department of Pathology Faculty of Medicine Dalhousie University	David Hoskin	Anti-inflammatory Activity of the Phytochemical Piperine in an Inflammatory Bowel Disease Model	PhD
Christina L. Etter Department of Psychology Faculty of Science Saint Mary's University	Lori Francis	Family Work Role Conflict: Is This an Antecedent to Enacted Incivility in Work Places?	Masters
Kristin-Lee M. Fossum Department of Psychology Faculty of Science Dalhousie University	Isabel Smith	Predicting Outcomes for Children with Autistic Spectrum Disorders Enrolled in the Nova Scotia Early Intensive Behavioural Intervention Program	PhD
Erin K. Fredericks Interdisciplinary PhD Faculty of Graduate Studies Dalhousie University	Brenda Beagan	Transforming Illness: Learning From Women As They Experience Breast Cancer	PhD
Daniel Gaston Department of Biochemistry and Molecular Biology Faculties of Medicine & Science Dalhousie University	Andrew Roger	Phylogenetic Characterization of Protein Function	PhD
Melissa A. Gendron Department of Psychology Faculty of Science Acadia University	Douglas Symons	Health Literacy In Young Children: Attachment Dimensions and Internal Working Models Within Parent-Child Joint Book Reading	Masters

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Avik J. Ghoshdastidar Department of Chemistry Faculty of Science Acadia University	Anthony Z. Tong	Biotreatment of Endocrine Disrupting Chemicals in Wastewater	Masters
Michael Gillis School of Social Work Faculty of Health Professions Dalhousie University	Marion Brown	Imagine a World Where Gay Kids Did Not Live in the Closet: Towards Social Work Interventions that Transform Feelings of Closetedness Among Sexual Minorities	Masters
Eva Gunde Department of Anatomy and Neurobiology Faculty of Medicine Dalhousie University	Tomas Hajek Martin Alda	Changes in White Matter Integrity As Risk Factors for Bipolar Disorders: A Diffusion Tensor Tractography Study	PhD
Christine R. Herman Community Health and Epidemiology Faculty of Medicine Dalhousie University	Roger Baskett	Reducing Post-Operative Major Adverse Cardiac Events in Cardiac Surgery: Towards a Prospective Intervention	Masters
Adam G. Hotchkiss Pharmacology Department Faculty of Medicine Dalhousie University	Kishore Pasumarthi	Determining the Effects of Atrial Natriuretic Factor on Embryonic Myocardial Cell Proliferation and Lineage Specification	PhD
Sanja Jovanovic Community Health and Epidemiology Faculty of Medicine Dalhousie University	Jafna Cox Susan Kirkland	Sex Related Differences in the Identification and Treatment of Cardiac Risk Factors in Primary Care in Nova Scotia Prior to an Incident Acute Coronary Syndrome Episode	Masters
Marcus E. A. Juodis Department of Psychology Faculty of Science Dalhousie University	Stephen Porter (University of British Columbia)	Gathering a Structured Approach to Detecting Malingering and Deception	PhD
Gavin King Community Health and Epidemiology Faculty of Medicine Dalhousie University	Mark Gibson	An Analysis of the Spatial Distribution of Air Pollutants in Urban Halifax and an Assessment of the Impact on Population Health	Masters
Jean Liu Pharmacology Department Faculty of Medicine Dalhousie University	Jana Sawynok	Antidepressants as Preventive Analgesics for Chronic Post-Surgical Pain	Masters
Scott M. Livingstone Surgery Department Faculty of Medicine Dalhousie University	Ian Alwayn	Optimizing Steatotic Livers for Transplantation Using Cell Penetrating Peptide Delivered Gene Therapy	Masters
Ping Lu Interdisciplinary PhD Faculty of Graduate Studies Dalhousie University	Jerome Barkow Robin Oakley	Tai Chi: A New and Ancient Reality: The Socio-Cultural Context of Elder Tai Chi Practitioners in Halifax, Canada and Jinan, China	PhD
Ian R. Macdonald Department of Anatomy and Neurobiology/ Neurosciences Faculty of Medicine Dalhousie University	Sultan Darvesh	Development of Butyrylcholinesterase Ligands for the Neuroimaging of Alzheimer's Disease	PhD

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Sarah L. Manley School of Physiotherapy Faculty of Health Professions Dalhousie University	Marilyn MacKay-Lyons	Development of the Step Test as an Alternative Method for Assessing Exercise Tolerance in Adults with Risk Factors for Cardiovascular Disease	Masters
Jessica M.J. Moore Department of Microbiology and Immunology Faculties of Medicine & Science Dalhousie University	Jun Wang Scott Halperin (IWK Health Centre)	The Role of Natural Regulatory T-Cells in Host Response to Chlamydia Trachomatis Genital Tract Infection	PhD
Peter W. Murphy Department of Biochemistry and Molecular Biology Faculties of Medicine & Science Dalhousie University	David Byers	Ilucidating the Mechanisms of ACP Interaction and Acyl Transfer	PhD
Lesley K.D. Newhook Department of English Faculty of Arts & Social Sciences Dalhousie University	Julia Wright Marjorie Stone	Mending Rational Minds and Sensitive Souls: Health and Healing in Later Victorian Culture and in Present Health Contexts	PhD
Ryan S. Noyce Pediatrics Department Faculty of Medicine IWK Health Centre	Christopher Richardson	Roles for the X Protein of Hepatitis B Virus and DNA Repair Protein DDB1 in Hepatocellular Carcinoma (liver cancer)	Post Doc
Patti Pattenden Community Health and Epidemiology Faculty of Medicine Dalhousie University	Don Langille	Disordered Eating Behaviour and Depression Risk Among Nova Scotia Youth	Masters
Daniel Rasic Community Health and Epidemiology Faculty of Medicine Dalhousie University	Don Langille	Longitudinal Relationships Between Religiousness and Mental Health: Findings From the Stirling County Study	Masters
Jennifer E. Richards Department of Psychology Faculty of Science Dalhousie University	Penny Corkum	Sleep Among Children With ADHD and Typically Developing Children	PhD
Jillian L. Rourke Pharmacology Department Faculty of Medicine Dalhousie University	Christopher Sinal	Role of GPR1 in Chemerin Induced Signaling	Masters
Alexander C. Roy Department of Chemistry Faculty of Medicine Dalhousie University	Stephen Bearne	Identification of the GTP-Binding Site on CTP Synthase	Masters
S. Meaghan Sim Interdisciplinary PhD Faculty of Graduate Studies Dalhousie University	Sara Kirk	Choice or Circumstance? An Exploration of Breastfeeding practice in Obese, Low-Income, Food Insecure Nova Scotian Mothers	PhD
Mary Caitlin Sinclair Community Health and Epidemiology Faculty of Medicine Dalhousie University	Susan Kirkland	Barriers to Accessing Hepatitis C Treatment for Recovering Injection Drug Users Currently Maintained on Methadone	Masters
Brenden C. Sommerhalder Department of Psychology Faculty of Science Saint Mary's University	Arla Day	Organizational Pandemic Response: Effect on Health Behaviours and Workplace Outcomes	Masters

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Jeremy E. Springer Physiology and Biophysics Department Faculty of Medicine Dalhousie University	Robert Rose	The Electrophysiological Effects of Brain-Type Natriuretic Peptide in Pacemaker Myocytes From the Sinoatrial Node	Masters
Marie-Laurence Tremblay Department of Biochemistry and Molecular Biology Faculties of Medicine & Science Dalhousie University	Jan Rainey	New Insights on Collagen Triple-Helix Self-Assembly	Masters
Robin Urquhart Interdisciplinary PhD Faculty of Graduate Studies Dalhousie University	Joan Sargeant Eva Grunfeld (University of Toronto)	Exploring Factors That Influence The Use of Innovation in Cancer Care	PhD
Ava C. Vila Department of Microbiology and Immunology Faculties of Medicine & Science Dalhousie University	Jean Marshall	The Influence of Allergy Mediators on Breast Cancer Cell Growth	Masters
Nicolle A. Vincent Department of Psychology Faculty of Science Dalhousie University	Lynne Robinson	The Intentions of Future Health Researchers to Engage in Knowledge Translation: A Theory-Driven Approach	PhD
Jennifer Vriend Department of Psychology Faculty of Science Dalhousie University	Penny Corkum Ben Rusak	Effects of Sleep on Daytime Functioning in Children	PhD
Zichen (Vincent) Zhang Department of Electrical & Computer Engineering Faculty of Engineering Dalhousie University	Jason Gu	A Home Care Assistive Robotic Platform for Senior and Disabled	Masters

* The following individuals were approved for funding by the NSHRF but declined funding due to being successful in national competitions or changes related to academic study prior to funding by the NSHRF.

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Qi Cao * Department of Microbiology and Immunology Faculties of Medicine & Science Dalhousie University	Andrew Stadnyk	The Intestinal Epithelial Cell Response to Anaphylaxtoxins	Masters
Lauren E. Davey * Department of Microbiology and Immunology Faculties of Medicine & Science Dalhousie University	Song Lee	Developing Stretococcus Gordonii as a Mucosal Bordetella Pertussis Vaccine Vehicle	PhD
M. Duffton * Department of Biology Faculty of Science Dalhousie University	Tamara Franz-Odendaal (Mount Saint Vincent University) Brian Hall	The Mexican Tetra: A Novel Model Organism For Studying Lens Regeneration	PhD
Stephanie L. Gilbert * Department of Psychology Faculty of Science Saint Mary's University	Arla Day	Empowerment, Affective Commitment, and Organizational Change Acceptance	PhD
Aislin R. Graham * Department of Psychology Faculty of Science Dalhousie University	Simon Sherry	Existential Model of Perfectionism and Depressive Symptoms: Tests of An Integrative Mode	PhD
Anna L. Greenshields * Department of Pathology Faculty of Medicine Dalhousie University	David Hoskin	Molecular Basis of Anti-Breast Cancer Activity by the Anti-Malarial Compound Artesunate.	PhD
Kerry H. Kuluski * School of Health Administration Faculty of Health Professions Dalhousie University	Sara Kirk	Understanding Individual and Environmental Risk Factors of Obesity Among Baby Boomers in Nova Scotia, Canada	Post Doc
Josée Lapalme * School of Health and Human Performance Faculty of Health Professions Dalhousie University	Lois Jackson	Exploring How Young Women From Low- Income Neighbourhoods Perceive Their Emotional Health	Masters
Philippe Magown * Department of Anatomy and Neurobiology Faculty of Medicine Dalhousie University	Robert Brownstone Victor Rafuse	Restoration of Motor Functions After Transplantation of Embryonic Stem Cell Derived Motoneurons	PhD
Timothy P. O'Leary * Department of Psychology Faculty of Science Dalhousie University	Richard Brown	Neurodegeneration, Short-Term Memory Loss, Long Term Memory Loss, and Motor Ability, in the 5xFAD Mouse Model of Alzheimer's Disease	PhD
Janine V. Olthuis * Department of Psychology Faculty of Science Dalhousie University	Margo Watt (St. Francis Xavier University)	Distance-Based Delivery of CBT for High Anxiety Sensitivity: A Randomized Controlled Trial	PhD
Laura Rudy * Department of Psychology Faculty of Science Saint Mary's University	Lori Francis	Stress, Gender and Health Outcomes in the Workplace	Masters

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Margaret Elizabeth Seary * Department of Anatomy and Neurobiology Faculty of Medicine Dalhousie University	Kazue Semba	Effects of Aging and Female Reproductive Hormones on Responses to Chronic Sleep Loss	Masters
Nathaniel Will Shead * Department of Psychology Faculty of Science Dalhousie University	Sherry Stewart	A Comprehensive Model of Problem Gambling: Personality, Mood, Motivation, Expectancies, and Gambling Behaviour	Post Doc
Matthew L. Smith* Medical Sciences Faculty of Medicine Dalhousie University	David Hoskin Carman Giacomantonio	Molecular Basis of Anticancer Activity by the Flavonoid Fisetin	Masters
Kaitlyn M. Tsuruda * Community Health and Epidemiology Faculty of Medicine Dalhousie University	Adrian Levy	Evaluating the Peri-Operative Process in a Surgical Setting Through Simulation Modelling	Masters
Adrian R. West * School of Biomedical Engineering Faculties Medicine & Engineering Dalhousie University	Geoffrey Maksym Elizabeth Cowley	Epithelium Mediated Regulation of Airway Smooth Muscle Contractile Phenotype In a Tissue Engineered Airway Wall	Post Doc
Kenneth Ryan Wilson * Department of Psychology Faculty of Science Dalhousie University	Gail Eskes Aaron Newman	Optimizing Training For Executive Control: Does Modality Matter?	PhD