

SEMI-ANNUAL REPORT

TO THE MINISTER OF ADVANCED EDUCATION

October 1, 2023 – March 31, 2024



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01. BOARD OF DIRECTORS

The members of the Research Nova Scotia Board of Directors as of 31 March 2024 are:

Don Bureaux (Chair) – President, Nova Scotia Community College

Kim Brooks – President and Vice-Chancellor, Dalhousie University

Jennifer Church – Deputy Minister, Office of Priorities and Planning

Joël Dickinson – President and Vice-Chancellor, Mount Saint Vincent University

Ryan Grant - Deputy Minister of Advanced Education

Andrew Hakin – President and Vice-Chancellor, St. Francis Xavier University

Nicholas Nickerson – Chief Scientist and Co-Founder, Eosense

Marc Sauer – Chief Science Officer, BioVectra

Robert Summerby-Murray – President and Vice-Chancellor, Saint Mary's University

Kathleen Trott – Deputy Minister, Office of Addictions & Mental Health

Annika Voltan – Executive Director, Impact Organizations of NS



02. CONSIDERING OUR IMPACT

IMPACTS OF RNS INVESTMENTS

For the past five years, Research Nova Scotia has been supporting, organizing, and coordinating the funding of research in service of the province's significant challenges. In this semi-annual report, the tenth submitted by RNS, we analyze the data on our efforts and comment on how RNS has been fulfilling its mandate.

Since April 2019, RNS has supported 627 research projects with a total investment of \$65.64 million.

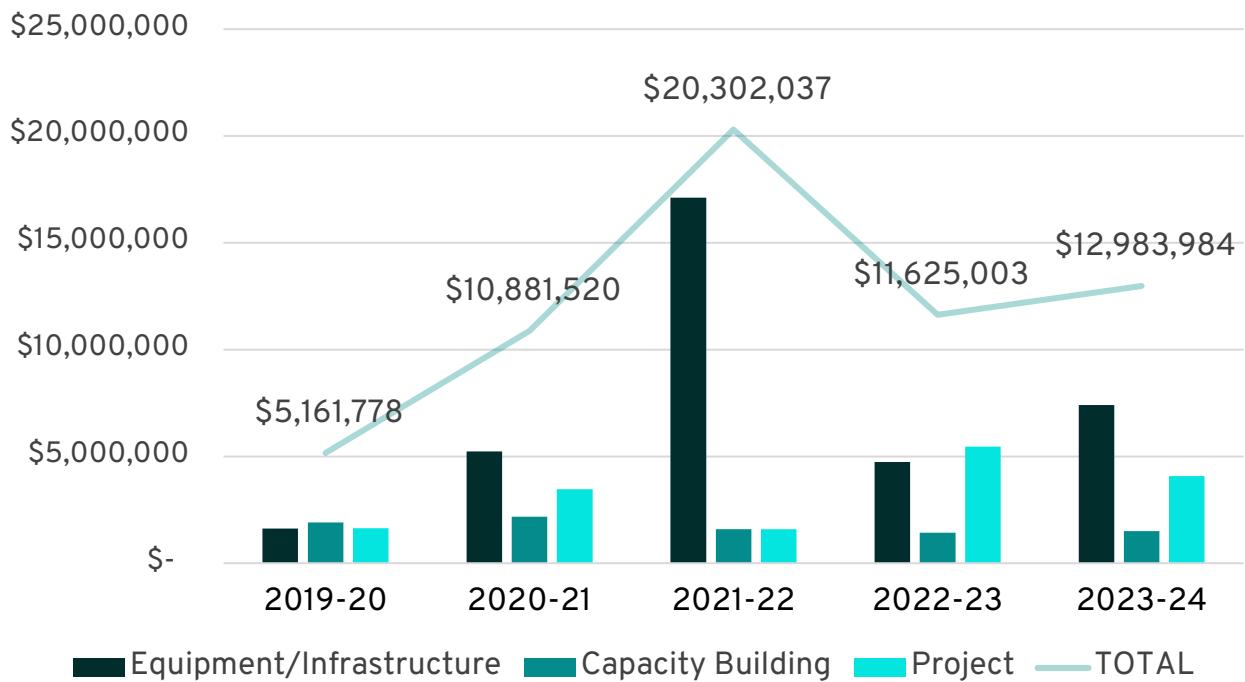
Of the 627 projects supported in this timeframe, 345 were studentships awarded to aspiring health researchers at the undergraduate, diploma, master's and PhD levels under the Scotia Scholars Awards program. The goal of Scotia Scholars is to build future capacity for health research in the province, and are solely funded by RNS.

For almost all of the other 282 projects, the RNS funds were contributed to a larger pool of funding from other organizations.

In total, the RNS \$65.64 million were granted to projects with a total value of more than \$287 million. Contributions to these projects came from government, industry, non-profit organizations, and foundations.

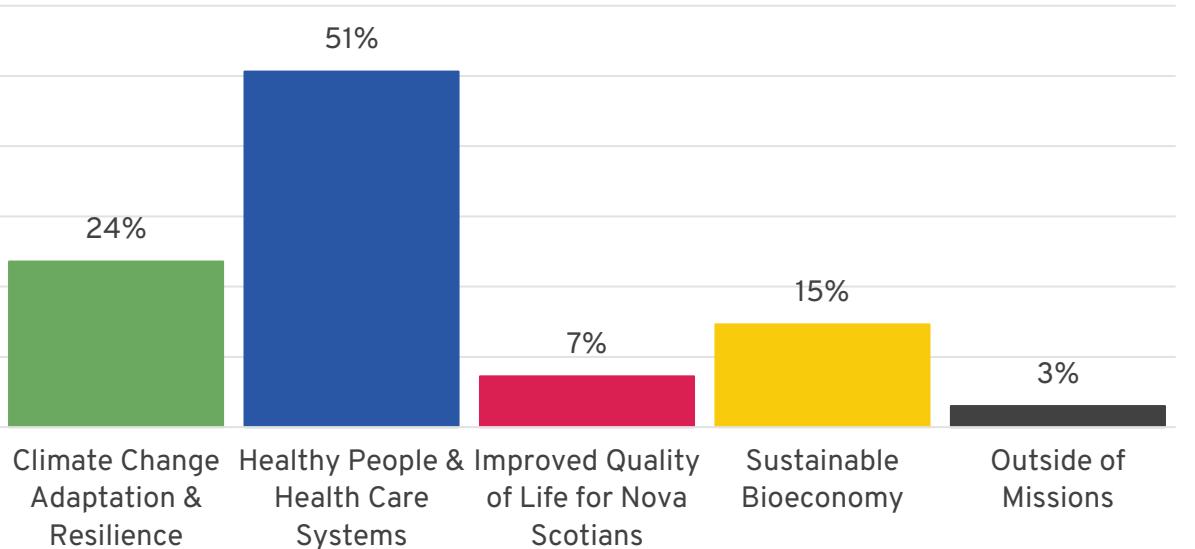
RNS defines its support in three categories: research equipment/infrastructure, capacity building, and project funding. From 2019 – 2024, excluding the Scotia Scholar studentships, the breakdown was:

ANNUAL INVESTMENT BY PURPOSE OF FUNDS



These same projects spanned RNS's four mission areas and several sectors of importance to the province.

SPENDING IN MISSION AREAS



Late in the reporting period for this semi-annual report, after months of consultation with government and the research community, RNS launched a bold new initiative, Focused Research Investments or FRI. A total of \$25 million has been earmarked to enable RNS to make two or three substantial investments in focused areas of importance to Nova Scotia. Its purpose is straight forward: to achieve significant results for the province through a substantial investment in research.

Further details are provided in our 2023/24 Annual Report. The projects chosen for investment will be announced in October 2024.

COMMUNICATING IMPACT

The following section provides a snapshot of Research Nova Scotia's communications activities for the reporting period of October 1, 2023, and March 31, 2024. These initiatives spotlight research endeavours that directly impact Nova Scotians. Our focus is on fostering connections and partnerships among researchers, academic institutions, and organizations and raising awareness of opportunities within the ecosystem. Below we showcase the dissemination of research projects and their broader implications for Nova Scotia and beyond.

RESEARCH OVER COFFEE

Research Over Coffee, presented in partnership with Dalhousie University, was created to connect and present relevant research expertise to government and political decision makers. Research Over Coffee continues to attract an audience of MPs, MLAs, municipal councilors, NS Senators, and senior civil servants with the intent of sharing cutting edge expertise, profiling leading researchers, spurring conversations on topical issues, and encouraging network building between researchers, legislators, and policymakers.

The series launched in June 2020 and since then has featured six researchers per year from across institutions and disciplines. The webinars continue to attract an audience from all levels of government and many presentations have resulted in follow-up conversations and meetings between researchers and cabinet ministers, at both the provincial and federal levels.

During this reporting period, we hosted five webinars:

How Vulnerable is Coastal Nova Scotia with a Changing Climate?

Presenter: Dr. Tim Webster, Nova Scotia Community College

64

Date: October 17, 2023

attendees



[Webinar Recording](#)

191

recording views

Child Poverty: How Behavioural Science Can Help Improve Uptake in Social Programming

Presenters: Mike Davis & Dr. Sydney Breneol, Pier Labs

39

Date: December 5, 2023

attendees



[Webinar Recording](#)

292

recording views



Being Young and Homeless

Presenter: Dr. Jeff Karabanow, Dalhousie University

45

Date: January 30, 2024

attendees



72

recording views

[Webinar Recording](#)

Job Burnout: The Epidemic Following the Pandemic

Presenter: Dr. Debra Gilin, Saint Mary's University

37

Date: February 27, 2024

attendees



237

recording views

[Webinar Recording](#)

Informing prevention of mental health problems in the population: The role of big data analytics

Presenter: Dr. JianLi Wang, Dalhousie University

58

Date: April 30, 2024

attendees



60

recording views

[Webinar Recording](#)

BEYOND RESEARCH PODCAST

On the Beyond Research Podcast, we speak with researchers who are working to solve Nova Scotia's biggest challenges. Since releasing our first episode, the Beyond Research Podcast continues to grow in popularity and now sees daily downloads from an expanding global audience.

In March 2024, the Beyond Research Podcast made Apple Podcasts' featured page for science podcasts.





During this reporting period, we released five episodes, resulting in 1,634 total episode downloads. In addition to a strong listener base in Canada, the podcast is seeing increased downloads in the United States, United Kingdom, Germany, France, Uganda, and Singapore.

Season 3, Episode 3

Agricultural Resilience: The Blueberry Effect

This episode is a tale of how local research can shape not only an industry, but an entire sector. We'll hear from Dr. David Percival, Professor at Dalhousie Agricultural Campus, and blueberry veteran, Gary Brown, as they discuss work that is addressing challenges facing all agriculture crops, like disease, pests, and climate change.

Downloads: 165

YouTube Views: 685



Season 3, Episode 4

Prescribing Wellness: The Evolution of Chronic Disease Management

In this episode we explore a critical issue – the alarming rates of chronic diseases, presenting challenges for both individuals and our broader healthcare system. Dr. Jonathon Fowles at Acadia University, Verna MacKinnon at Nova Scotia Health, and Joy Chiekwe at YMCA, discuss how research becomes the catalyst for the evolution of healthcare practices, transforming our perspective on preventative medicine and chronic disease management.

Downloads: 158

YouTube Views: 114



Season 3, Episode 5

Teaming Up to Manage Water

In this episode, we explore a deep relationship where a utility and researchers work in partnership to identify and work on a range of water research challenges in water quality, water treatment, and stormwater management. Our guests, Dr. Graham Gagnon at Dalhousie University and Dr. Wendy Krosek at Halifax Water discuss how they work together, where future water supply and treatment may lie, and the key ingredients to a successful collaboration.



Downloads: 152

YouTube Views: 26

Season 3, Episode 6

Gaps & Opportunities in the Current Research System

In this episode, Dr. Melissa Flagg, Former Deputy Assistant U.S. Secretary of Defense for Research, and Stefan Leslie, CEO of Research Nova Scotia, explore the challenges of tackling wicked and super wicked problems at global and local scales, and the importance of understanding problems and the environments in which they exist. They talk about gaps in the current research system, and how to experiment with different ways to support research.



Downloads: 105

YouTube Views: 102

Season 3, Episode 7

Addressing the Gaps: Focused Research Investments

This episode is a continued conversation to the above with Dr. Melissa Flagg and Stefan Leslie. They discuss a new initiative in Nova Scotia: Focused Research Investments. They talk about the challenges and opportunities inherent in reshaping the research landscape, with a particular emphasis on salient, collaborative research, community engagement, and the pursuit of impactful solutions for society – solutions that address immediate problems but also have applicability in other ways and areas.



Downloads: 119

YouTube Views: 83

The Beyond Research Podcast is available on Apple Podcasts, Spotify, or wherever you get your podcasts. You can also listen on the Research Nova Scotia website at www.researchns.ca/beyondresearch.

MONTHLY NEWSLETTER

We distribute an email newsletter on the first Wednesday of every month. It includes announcements, funding opportunities, events and webinars, researcher stories, research news, and more.

According to mailchimp.com, in 2023 the average open rate for non-profit organizations was 40.03%. During that same period, the average click rate was 3.27%. Research Nova Scotia's newsletter and content continue to perform on par or above industry standard: RNS is at or above the average open rate, and well above the average click rate.

	Successful deliveries	Opened	Open Rate	Clicked	Click Rate
October	1,027	416	40.5%	66	6.4%
November	1,062	416	39.2%	66	6.2%
December	1,087	439	40.4%	90	8.3%
January	1,100	466	42.4%	90	8.2%
February	1,145	556	48.6%	118	10.3%
March	1,172	589	50.3%	102	8.7%

IN THE NEWS

We issued the following media announcements this period:

November 24, 2023

[Dr. Steven Beyea receives 2023 Public Impact Award](#)

January 31, 2024

[Research Nova Scotia provides \\$1.37 million to researchers to support the efficient and effective delivery of healthcare to Nova Scotians](#)

March 1, 2024

[Research Nova Scotia announces International Nursing Research Program](#)

March 6, 2024

[Research Nova Scotia launches Focused Research Investments](#)

 @_researchNS
Thu 2/15/2024 9:10 am AST

Congratulations to the 2023/24 New Health Investigator Grant recipients! The grant supports early-career health researchers who...


Impressions 9,736

 @_researchNS
Wed 11/8/2023 9:13 am AST

Congratulations to all Public Impact Award nominees and to the 3 finalists: Dr. Sara Kirk, Professor [@jillewellyn](#), & Dr. Steven Beyea!...


Impressions 1,595

 @_researchNS
Wed 3/6/2024 10:30 am AST

Focused Research Investments (FRI) is a new initiative created to tackle the salient issues of our time using a mission-oriented approach...

EXPRESSIONS OF INTEREST
APR 22, 2024 AT 11:59 AM
FRI will support highly focused, collaborative, and determined efforts across a range of health research areas. These 30 issues of one-time projects address areas that will serve the needs of society's most pressing problems.
Submit an FRI today!

Impressions 1,107

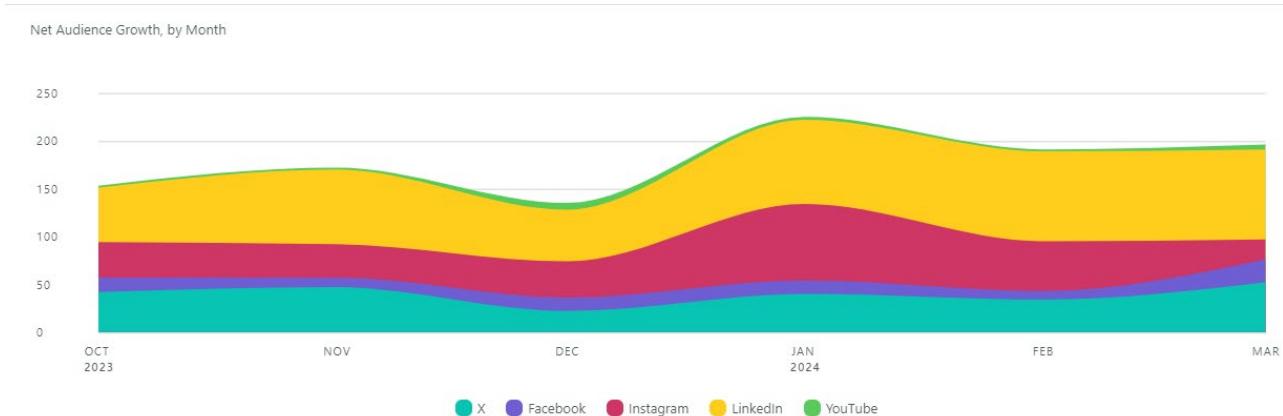
WEB + SOCIAL STORIES

We continue to leverage our website and social media channels to share announcements and research stories, as well as to promote our mission-oriented strategy and funding opportunities. We also prioritize the amplification of relevant content for the research ecosystem including researchers, partners, and stakeholders. These activities help promote our work and the work of the ecosystem while supporting engagement and the growth of our overall audience. Through online activities, we continue to foster new relationships and connections within the community and attract media attention.

Below are a few social and story highlights from this period.

IMPRESSIONS	ENGAGEMENTS	POST LINK CLICKS	ENGAGEMENT RATE
321,329	12,123	1,976	3.7%

Our total net audience growth during this period: 1,072



 Largest audience

 Most engagements

 Largest audience growth

 Highest engagement rate

 Most impressions

 Most video views

October 19, 2023

[Study: How do Atlantic Canadian Universities perform in campus alcohol policies?](#)

October 31, 2023

[Dr. Sanja Stanojevic – Diving deeper into the under-represented Canadian CF population](#)

November 7, 2023

[Dal researchers tested the water in a local lake for viruses](#)

December 18, 2023

[Psychology professor studies the silent epidemic of burnout in healthcare](#)

December 21, 2023

[Research Nova Scotia at Dalhousie University's Housing Engagement Series](#)

March 20, 2024

[Culturally responsive early learning environments: Scotia Scholars spotlight](#)

<p> Research Nova Scotia Thu 2/22/2024 10:48 am AST</p> <p>Congratulations to Dr. Arlinda Ruco, PhD MPH BScH CE for receiving a New Health Investigator Grant for research exploring...</p>  <p>Exploring sociocultural influences on mental health outcomes to address the health burden of the...</p> <p>ARLINDA RU NEW HEALTH INVESTIGATOR GRANT RECIPIENT</p> <p>Total Engagements 278</p>	<p> Research Nova Scotia Fri 3/1/2024 12:02 pm AST</p> <p>Job burnout is a serious, long-term syndrome of ill-being. Studies show that burnout brings with it a higher risk of Type 2 diabetes,...</p>  <p>JOB BURNOUT: THE END FOR LEAVING THE PANDA SR. LECTRA, CLIN. PSYCHOLOGIST, SAINT MARY'S UNIVERSITY "What is job burnout? I'm not sure if I'm qualified to answer this question, but I can try. Job burnout is a serious, long-term syndrome of ill-being. Studies show that burnout brings with it a higher risk of Type 2 diabetes,..."</p> <p>Total Engagements 140</p>	<p> researchns Wed 3/20/2024 10:19 am ADT</p> <p>Milena Pimentel is a 2022/23 Scotia Scholars Award recipient. She conducted research on "Culturally-responsive practices: Bridging the...</p>  <p>JOB BURNOUT: THE END FOR LEAVING THE PANDA SR. LECTRA, CLIN. PSYCHOLOGIST, SAINT MARY'S UNIVERSITY "What is job burnout? I'm not sure if I'm qualified to answer this question, but I can try. Job burnout is a serious, long-term syndrome of ill-being. Studies show that burnout brings with it a higher risk of Type 2 diabetes,..."</p> <p>Total Engagements 68</p>
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03. PROJECTS APPROVED BY THE CORPORATION

Over the last six months, RNS supported 73 research projects through its Research Opportunities Fund.

From 1 October 2023 to 31 March 2024, the following commitments were made:

RNS COMMITMENTS

PROGRAM	TYPE	# FUNDED	TOTAL INVESTMENT
Research Opportunities Fund	Matching Funds	16	\$5,181,488
New Health Investigator Grant	Capacity Building	14	\$1,372,302
Intentional Initiatives	Convened	6	\$768,213
Partnerships	Convened	2	\$185,000
Forestry	Convened	3	\$1,567,821
Ukrainian Emergency Research Support	Capacity Building	1	\$33,831
Scotia Scholars (Community College & Undergraduate)	Capacity Building	31	\$186,240
		73	\$9,294,895



Appendix A details each project approved by the Corporation during the reporting period, including the following information on each research project:

1. Name of the lead applicant
2. Name of the lead institution or organization
3. Name of the project
4. Amount of funding approved
5. Research sector
6. Estimated number of jobs in Nova Scotia that will be supported by the funding awarded to the project
7. Estimated number of training opportunities for students and others in Nova Scotia that will be supported by the funding awarded to the project
8. Information about any funding that the project received from other sources, including the following:
 - a. The name of each source, and
 - b. The amount received from each source and whether it was in the form of cash or an in-kind contribution.

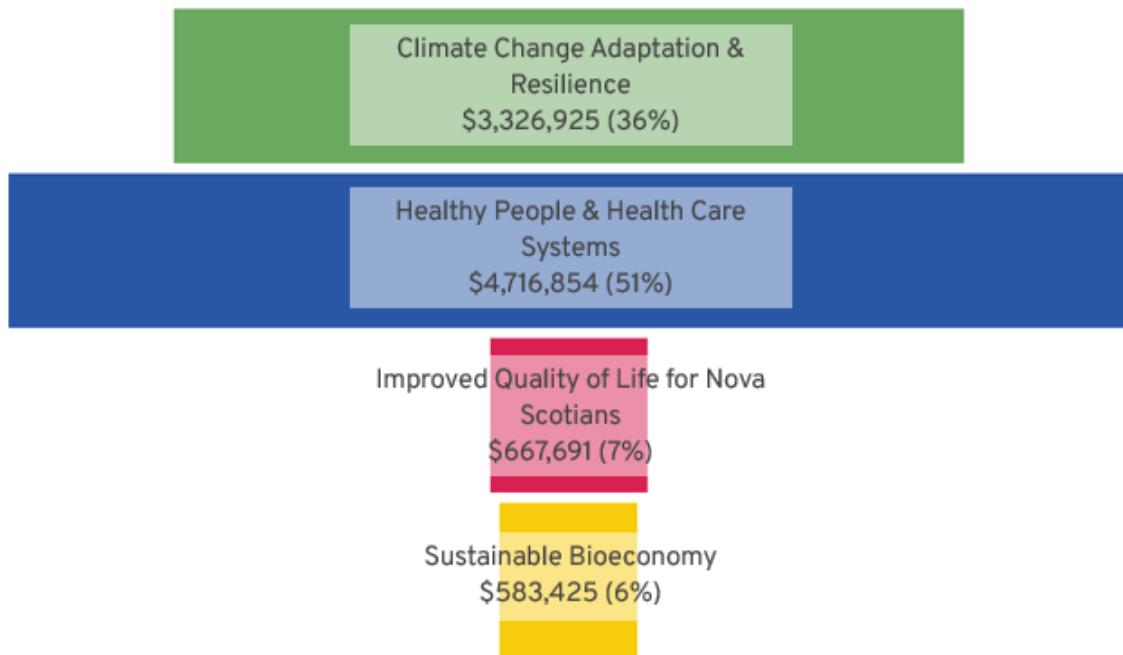
Scotia Scholars supports trainees at the undergraduate, Masters and PhD levels to work on a specific research project with faculty mentors. Awards for the undergraduate program were confirmed in March 2023 and ranged from \$5,000 to \$6,250.

The 31 newest Scotia Scholars are enrolled at Cape Breton University, Mount Saint Vincent University, Nova Scotia Community College, St. Francis Xavier University, Université Sainte-Anne, and University of King's College.

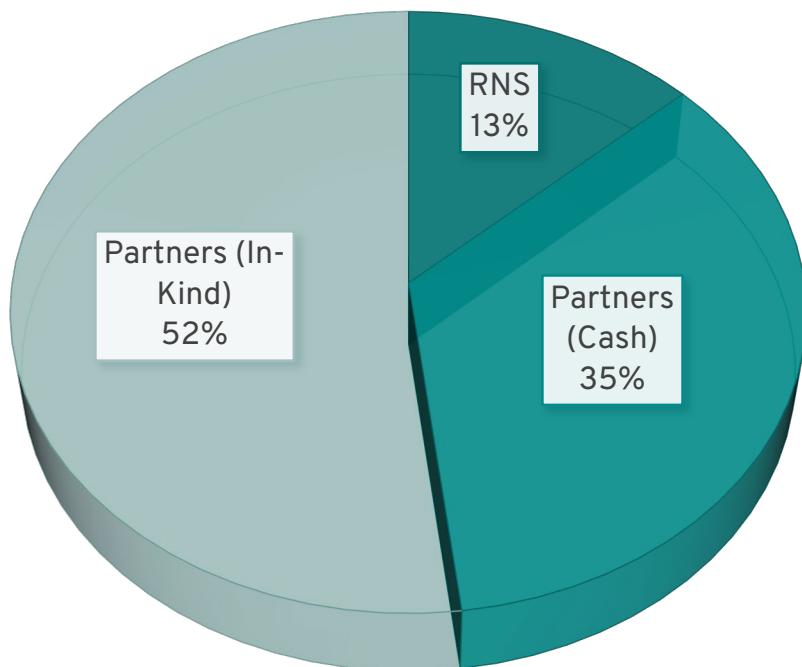
The competition for Master's and PhD students will be completed by the end of May 2024. Awards for these students will be issued in time for the start of the September term.

Across the 73 funded projects in this six month reporting period, RNS was active across all four mission areas:

SPENDING ON RESEARCH BY MISSION AREA

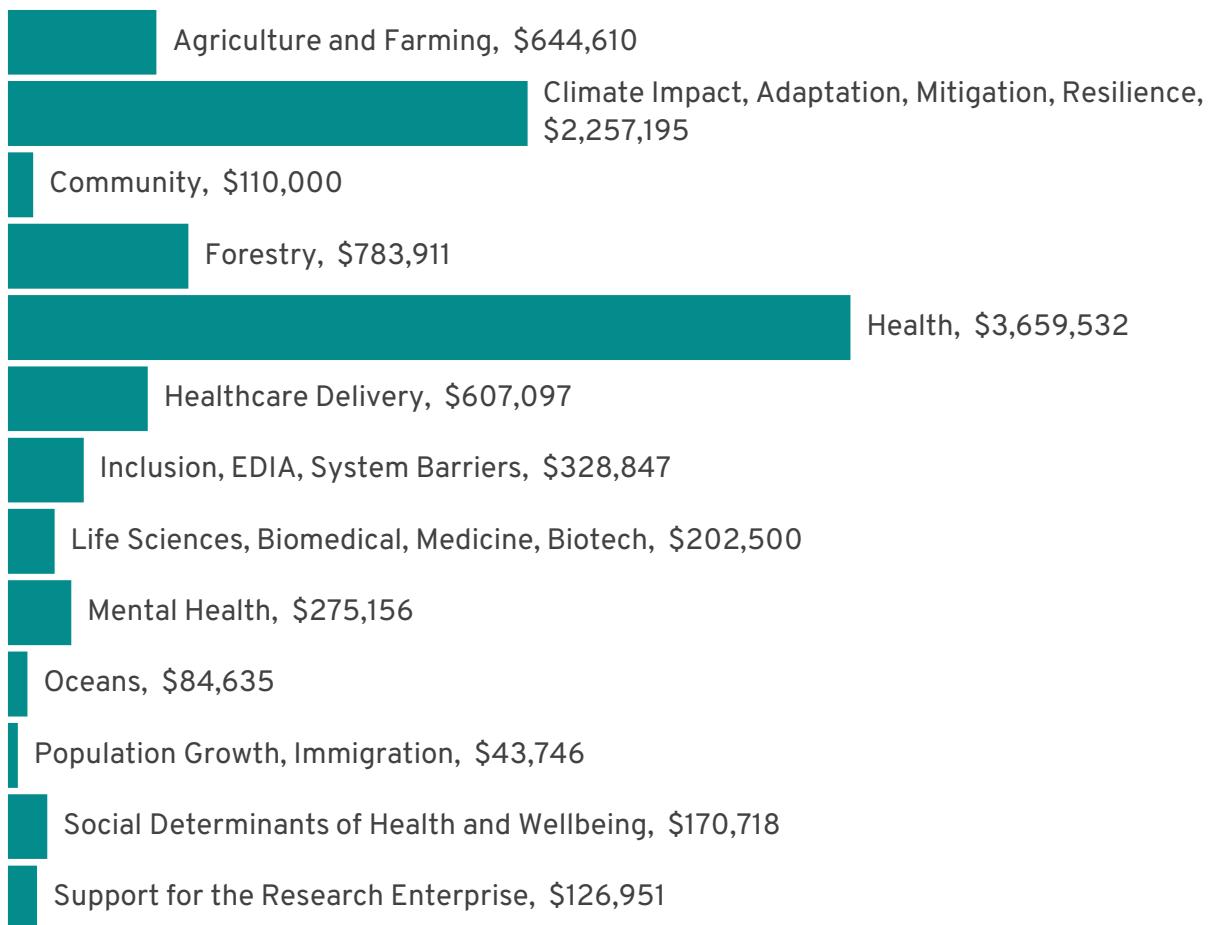


LEVERAGING RNS INVESTMENTS



RNS supported research across sectors important to the province.

INVESTMENT IN RESEARCH BY SECTOR



04. FINANCIAL FORECAST

This section includes the following:

1. The current balance in the Research Opportunities Fund (ROF) and the amount anticipated to be paid from the Fund over the next six months.
2. The amount spent on operations from October 2023 to March 2024 and the amount anticipated to be spent on operations over the next six months.

	Committed Oct 2023 - Mar 2024	Previous commitments expensed Oct 2023 - Mar 2024	Current balance 31 March 2024	Anticipated spending Apr - Sept 2024
ROF	\$9.29 million	\$3.67 million	\$53.88 million	\$9.45 million
Operations	\$0.96 million	N/A	N/A	\$0.92 million

The \$12.96 million of spending for the period from October 2023 to March 2024 included expenditures for projects approved in previous years (\$3.67 million), and projects approved in the latter half of the fiscal year (\$9.29 million).

The anticipated spending from the ROF for the first half of this year is comprised of several categories:

1. \$5.425 million to match awards received by a Nova Scotia institution from federal funding competition (Innovation Fund and the Biosciences Research Infrastructure Fund (BRIF)).
2. Intentional Research Initiatives – RNS remains committed to supporting intentional research aligned to our missions and provincial priorities and has set aside \$1.25 million for the April to September period.
3. In partnership with the Forestry Innovation Transition Trust, RNS will spend \$1.81 million on research supporting the forestry research agenda.
4. RNS has committed \$960,000 during this period to the Scotia Scholars program which is offered for health research trainees at the undergraduate, Masters, and PhD levels.

RESEARCH NOVA SCOTIA SEMI-ANNUAL REPORT: APPENDIX A

October 1, 2023 – March 31, 2024

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
RESEARCH OPPORTUNITIES FUND - CFI JOHN R. EVANS LEADERS FUND (JELF)									
From nanoscale to macroscale: Sustainable design of functional polymeric biomaterials	Vahid Adibnia	Dalhousie University	\$125,000.00	Life Sciences, Biomedical, Medicine, Biotech, Health	2.00	42.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI \$125,000.00 Dal \$19,080.00	Industry \$76,104.00
Expanding the Chemical Diversity in Proteins via Non-canonical Amino Acids - Adhesive Materials	Alexander Baker	Dalhousie University	\$140,000.00	Life Sciences, Biomedical, Medicine, Biotech	0.00	24.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI \$140,000.00 Dal \$6,137.00	Industry \$71,136.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND	
Lysosomal control of cancer cell growth	Geoffrey Hesketh	Dalhousie University	\$125,000.00	Health	0.00	35.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI Dal	\$125,000.00 \$4,000.00	Industry \$58,547.00
Bridging the Gap: Advancing Rural Health Research through a Health Research Van in Cape Breton, Nova Scotia #44197	Janet L. Kuhnke	Cape Breton University	\$123,040.00	Inclusion, EDIA, System Barriers, Social Determinants of Health and Wellbeing, Health	0.00	25.00	Canada Foundation for Innovation, Cape Breton University	CFI CBU	\$123,040.00 \$58,220.00	Industry \$3,300.00
Animal performance in a changing world	Robert Lennox	Dalhousie University	\$150,000.00	Climate Impact, Adaptation, Mitigation, Resilience, Oceans	5.00	14.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI Dal	\$150,000.00 \$6,531.00	Industry \$68,470.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Centre of Excellence in Microplastic Studies (CEMS)	Vittorio Maselli	Dalhousie University	\$269,209.00	Climate Impact, Adaptation, Mitigation, Resilience	1.00	10.00	Canada Foundation for Innovation, Industry Partners	CFI	\$269,209.00
Next-Generation Biorefining of Agri-Forestry and Biogenic Feedstocks to Bioenergy and Bioproducts	Sonil Nanda	Dalhousie University	\$210,826.00	Climate Impact, Adaptation, Mitigation, Resilience	5.00	100.00	Canada Foundation for Innovation, Industry Partners	CFI	\$210,826.00
Breathing Innovation into Diagnostic Test for Lung Disease	Sanja Stanojevic	Dalhousie University	\$80,000.00	Health	0.00	20.00	Canada Foundation for Innovation, IWK Foundation, Industry Partners	CFI IWK	\$80,000.00 \$29,582.00
Wastewater Treatment Technology and Surveillance	Amina Stoddart	Dalhousie University	\$159,911.00	Climate Impact, Adaptation, Mitigation, Resilience, Health	1.00	20.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI Dal	\$159,911.00 \$12,275.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Research Infrastructure for Sustainable Food Proteins and Bioactive Peptides Lab	Xiaohong Sun	Dalhousie University	\$82,000.00	Agriculture and Farming	0.00	35.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI Dal	\$82,000.00 \$7,261.00
Children and Borders Research Lab	Kate Swanson	Dalhousie University	\$43,746.26	Population Growth, Immigration	0.50	15.00	Canada Foundation for Innovation, Dalhousie University, Industry Partners	CFI Dal	\$98,814.00 \$82,698.00
RESEARCH OPPORTUNITIES FUND - CFI INNOVATION FUND (IF)									
Cloud to Aquifer Natural Observatories (CANO) - Exploring the changing water cycle in Eastern Canada	Manuel Helbig	Dalhousie University	\$263,659.00	Climate Impact, Adaptation, Mitigation, Resilience	2.00	12.00	Canada Foundation for Innovation, Dalhousie University, Province of Quebec, University of Laval, Université de Montréal, Université du Québec, Industry Partners	CFI Dal QC Laval U Montreal UQAM UQO	\$3,600,300.00 \$10,919.00 \$3,336,641.00 \$40,000.00 \$36,413.00 \$362,807.00 \$12,801.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Research program for heart failure prevention and treatment (RESOLVE)	Susan Howlett and Thomas Pulinilkunnil	Dalhousie University	\$2,327,218.00	Health	2.00	150.00	Canada Foundation for Innovation, New Brunswick Innovation Fund, Dalhousie University Research New Brunswick	CFI NBIF Dal RNB	\$2,877,218.00 \$80,000.00 \$222,500.00 \$470,000.00
Canadian Advanced Research for Aerial Robotic Manipulation: CANARI-ARM	Mae Seto	Dalhousie University	\$19,269.00	Climate Impact, Adaptation, Mitigation, Resilience, Oceans	0.90	126.00	Canada Foundation for Innovation, Dalhousie University, Ministry of Colleges and Universities, Ontario Tech University, University of Ottawa	CFI Dal MCU OUT University of Ottawa	\$2,010,532.00 \$475.00 \$1,991,263.00 \$1,271.00 \$29,603.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH		IN-KIND	
The HAWC satellite mission: High-altitude Aerosols, Water vapour, and Clouds	Aldona Wiacek	Saint Mary's University	\$500,000.00	Climate Impact, Adaptation, Mitigation, Resilience	10.25	1.00	Canada Foundation for Innovation, Canadian Space Agency, Université du Québec à Montréal, Government of British Columbia, Government of New Brunswick, Government of Ontario, Government of Quebec, Government of Saskatchewan, NASA, Industry Partners	CFI	\$17,581,141.00	CSA	\$44,957,125.00
							UQAM	\$219,697.00	Industry	\$26,000,000.00	
							BC	\$350,000.00			
							NB	\$275,000.00			
							ON	\$4,000,000.00			
							QC	\$4,518,730.00			
							SK	\$1,250,000.00			
RESEARCH OPPORTUNITIES FUND - CFI COLLEGE FUND											
Agriculture Biotechnology Cool Climate Centre (ABC3) at Nova Scotia Community College	Mathew Vankoughnett	Nova Scotia Community College	\$562,610.00	Agriculture and Farming	1.80	35.00	Canada Foundation for Innovation, Industry Partners	CFI	\$562,610.00	Industry	\$288,546.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
INTENTIONAL INITIATIVES									
Moving Beyond Disability Management	Eric Damecour	Saint Mary's University	\$7,500.00	Inclusion, EDIA, System Barriers, Mental Health, Healthcare Delivery	0.00	0.00	Mental Health Research Canada, Mitacs	Mitacs	\$7,500
Behavioural and neuropharmacological investigation of psilocybin as an innovative therapeutic agent for the treatment of mental health disorders	Nicoletta Faraone	Acadia University	\$359,140.00	Mental Health, Health	4.60	4.60	Industry Partners	N/A	\$0.00
Opportunities for change: Exploring Nova Scotians' quality of life and wellbeing	Megan MacGillivray	St. Francis Xavier University	\$22,480.60	Health; Including, EDIA, System Barriers; Mental Health; Social Determinants of Health and Wellbeing	1.30	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
The Community Mobile Media Lab	Solomon Nagler	Nova Scotia College of Art and Design	\$220,000.00	Community; Inclusion, EDIA, System Barriers	5.00	50.00	Canada Foundation for Innovation	CFI	\$75,000.00
Emerging Zoonotic Infections in Nova Scotia Serosurvey II: How Many Humans Have Been Infected?	Glenn Patriquin	Nova Scotia Health	\$60,937.70	Health	0.02	0.00	N/A	N/A	\$0.00
Improving Nova Scotian dental care by developing a new light source for dental curing lights	Richard Price	Dalhousie University	\$98,154.56	Health; Healthcare Delivery	1.00	1.00	The CAO Group	CAO	\$75,600.00
NEW HEALTH INVESTIGATOR GRANT									
How good are we at managing cognitive impairment across the life spectrum?	Sorayya Askari	Dalhousie University	\$99,700.00	Health; Healthcare Delivery	0.60	2.00	N/A	N/A	\$0.00
The Newly Diagnosed Class: A Self-Directed and Virtual Class for Women Newly Diagnosed with Breast Cancer	Stephanie Gauvin	Acadia University	\$99,884.48	Health; Healthcare Delivery; Social Determinants of Health and Wellbeing	1.20	3.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Determining the feasibility of a culturally sensitive intervention program for children on the autism spectrum from minority language backgrounds	Ana Maria Gonzalez Barrero	Dalhousie University	\$99,227.00	Health; Healthcare Delivery; Inclusion, EDIA, Systems Barriers; Mental Health	2.00	2.00	Dalhousie University	N/A	\$0.00
A critical examination of the social and structural factors that impact people of African descent with uterine fibroids in Nova Scotia	Keisha Jefferies	Dalhousie University	\$99,626.00	Health; Healthcare Delivery; Inclusion, EDIA, Systems Barriers; Social Determinants of Health and Wellbeing	1.60	0.40	Dalhousie University	Dal	\$25,000.00
A provincial framework to organize and deliver survivorship care for adolescent and young adult cancer survivors	Katrin Julia Kaal	Nova Scotia Health	\$97,648.22	Health; Healthcare Delivery; Social Determinants of Health and Wellbeing	0.80	1.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Optimizing delivery of neoadjuvant therapy for early-stage breast cancer in Nova Scotia	Gregory Knapp	IWK Health Centre	\$94,742.00	Health; Healthcare Delivery	0.25	2.00	N/A	N/A	\$0.00
Advancing Health Equity in Nova Scotia by Exploring Gaps in Healthcare Delivery	Jennifer Lane	Dalhousie University	\$100,000.00	Health; Healthcare Delivery; Social Determinants of Health and Wellbeing	1.25	0.25	Dalhousie University	Dal	\$33,655.38
Social Prescribing Accessibility in Nova Scotia (SPANS study): Identifying implementation challenges	Megan MacGillivray	St. Francis Xavier University	\$99,958.00	Health; Healthcare Delivery	0.60	4.00	Spatializing Care Lab	N/A	\$0.00
Improving health care through a better understanding of the immune pathways causing autoimmune diseases	Aniko Malik	Dalhousie University	\$100,000.00	Health; Healthcare Delivery	0.50	0.50	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Guiding 'us' down a better path: Shared social identity and positive mental health in Cape Breton youth clubs	Colin McLaren	Cape Breton University	\$87,992.00	Health; Healthcare Delivery; Mental Health	2.00	5.00	Cape Breton University	CBU	\$9,500.00
Exploring colorectal cancer screening disparities in Nova Scotia to address the public health burden of the disease	Arlinda Ruco	St. Francis Xavier University	\$99,946.00	Health; Healthcare Delivery	1.20	1.50	Nova Scotia Colon Cancer Prevention Program, St. Francis Xavier University	St. FX	\$5,100.00
Mobilizing the health benefits of being in nature through community-based participatory research and youth engagement	Son Truong	Dalhousie University	\$99,984.00	Health; Healthcare Delivery; Mental Health	1.50	1.00	Mitacs	Mitacs	\$15,000.00
Leveraging Pharmacists' Scope of Practice to Improve Access to Gender Affirming Care in Nova Scotia	Kyle Wilby	Dalhousie University	\$96,278.31	Health; Healthcare Delivery	0.00	1.50	Drug Evaluation Alliance of Nova Scotia	DEANS	\$15,000.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Improving Medication Safety and Prescribing for Individuals with Chronic Kidney Disease (CKD) through the Development, Validation, Implementation and Evaluation of an Electronic Drug Dosing and Decision Support Kidney (eDose CKD) Tool for Nova Scotia Primary Care Pharmacists									
Improving Medication Safety and Prescribing for Individuals with Chronic Kidney Disease (CKD) through the Development, Validation, Implementation and Evaluation of an Electronic Drug Dosing and Decision Support Kidney (eDose CKD) Tool for Nova Scotia Primary Care Pharmacists	Jo-Anne Wilson	Dalhousie University	\$97,316.00	Health; Healthcare Delivery	1.50	1.50	Mitacs	Mitacs	\$22,500.00
PARTNERSHIPS									
Genome Atlantic & RNS MOU to Administer the Environmental DNA (“eDNA”) Innovation Fund (EDIF)	Steve Armstrong	Genome Atlantic	\$65,000.00	Climate Impact, Adaptation, Mitigation, Resilience	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Partnership between RNS and Engage NS: Quality of Life	Danny Graham	Engage Nova Scotia Civic Engagement Society	\$120,000.00	Inclusion, EDIA, System Barriers	0.00	0.00	N/A	N/A	\$0.00
FORESTRY AWARD									
Understanding the economic and environmental costs and benefits of buffering forested wetlands.	Jane Barker	Mersey Tobeatic Research Institute	\$226,640.00	Climate Impact, Adaptation, Mitigation, Resilience; Forestry	1.50	0.50	Environment and Climate Change Canada, Mitacs, Dalhousie University, Saint Mary's University, Industry Partners	ECCC Mitacs	\$86,660.00 \$17,100.00
NSERC									
The Acadian Phenocam Network: tracking climate change impacts to forest growth and phenology	Loïc D'Orangeville	University of New Brunswick	\$768,332.00	Climate Impact, Adaptation, Mitigation, Resilience; Forestry	6.05	6.33	Natural Sciences and Engineering Research Council of Canada, Nova Scotia Department of Natural Resources and Renewables, St. Francis Xavier University, University of New Brunswick	NSERC	\$120,000.00
St. FX									
UNB									

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Developing a Forest Soil Health Assessment and Extension Program for Private Woodland Owners in Nova Scotia	Deborah (Debbie) Reeves	Murray A. Reeves Forestry Ltd.	\$572,849.00	Climate Impact, Adaptation, Mitigation, Resilience; Forestry	5.42	3.75	Dalhousie University, Family Forest Network, Genome Atlantic, Nova Scotia Community College, Nova Scotia Department of Natural Resources and Renewable	N/A \$0.00 NSDNRR	Dal FFN Genome NSCC NSDNRR \$226,500.00 \$29,250.00 \$10,000.00 \$33,000.00 \$91,500.00

UKRAINIAN EMERGENCY RESEARCH SUPPORT PROGRAM AWARD

Understanding through storytelling: newcomer and Mi'kmaw relationship building and connection to place	Melanie Zurba; Student: Kateryna Rudenko	Dalhousie University	\$33,831.00	Support for the Research Enterprise	0.50	0.00	N/A	N/A \$0.00 N/A	N/A \$0.00
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PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
SCOTIA SCHOLARS AWARD - COLLEGE									
When Can We Trust AI Models for Medical Imaging Analysis?	Laura Abro	Nova Scotia Community College	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Measuring vibration frequencies of industrial equipment	Ryan MacNeil	Nova Scotia Community College	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Identifying gaps and barriers in supports and services for 2SLGBTQIA+ students at NSCC	Natalie McPhee	Nova Scotia Community College	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Advancements in Optical Coherence Tomography Imaging: Deep Learning-Based Image Processing and Visual Enhancement	Niki Zheng	Nova Scotia Community College	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

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SCOTIA SCHOLARS AWARD - UNDERGRADUATE									
Biochar as a Deodorizer in Menstrual Pads	Alyssa Burke	Cape Breton University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Gardening for Healthy Communities Around the Bras d'Or	Gianna Sheppard	Cape Breton University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
An in-depth exploration of the measurement accuracy of the Global Measure of Sexual Satisfaction	Maddie Storm	Cape Breton University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Investigation of maskwio'mi (birch bark extract), a traditional Mi'kmaw skin medicine made from birch bark	Janelle Tierney	Cape Breton University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Impact of assembly factor for spindle microtubules (ASPM) expression on cell cycle timing and recovery after mitotic surveillance pathway activation.	Gabrielle Fenwick	Mount Saint Vincent University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Characterizing the Neural Profiles of Bipolar Disorder with and without Auditory Hallucinations	Kennedy Hackett	Mount Saint Vincent University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Actually Autistic at School: Giving Voice to #ActuallyAutistic Experiences of School Inclusion	Natalie Lawy	Mount Saint Vincent University	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Examining Racial and Ethnic Disparities in Colorectal Cancer Screening outcomes within Nova Scotia	Maria Albaba	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Exploring Radiation Therapists' Current Practices and Perceptions of their Role in Addressing the Psychosocial and Supportive Care Needs of Cancer Patients Undergoing Radiation Therapy Treatment: A Comparative Study Between Canada and Norway	Sophie Bezanson	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Investigating the Effectiveness of the Noticing Nature Intervention in Reducing Stress Levels and Improving Wellbeing Among Undergraduate Students	Grace Boltz	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Exploring Collaborative Care Centres as an Opportunity for Social Prescribing	Ellen Carroll-MacDonald	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Investigation of the Effects of Chronic Inflammation on Incidence of Colorectal Cancer in Atlantic Canada	Avery Cook	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Are Ticks that Carry Lyme Disease More Cold Tolerant?	Amber Gough	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Integration of an Adapted Strength and Conditioning Program for Youth Sledge Hockey Players	Kirsten Hardiman	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Community-Based Approaches to Substance Use Treatment in Rural Nova Scotia	Allyson Hayward	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Examining Opioid Prescription Practices Following Caesarean Delivery: Current Evidence on Patient Profiling and Consideration of Addiction Risk Factors	Janet Kennedy	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Studying the Relationship between Heart Rate Variability and Pain Control, Anxiety and Affect	Melissa Labbe	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Designing Gold Nanoparticle/Allergen Bioconjugates for Novel Immunotherapy Treatments	Victor Martinez Macias	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Examining the Relationship Between Colorectal Cancer and Alcohol Consumption	Andrea Morrish	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Investigating the Effects of Alcohol Labelling on Nova Scotian Consumers	Kelley Trainor	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Changing Attitudes Towards Disability Using Parasocial Contact	Claire Tramble	St. Francis Xavier University	\$6,160.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Building Inclusion: a literature review of the effects of a Mock-Apartment in the transition from school to work	Mykkaela Lutes	Université Sainte-Anne	\$6,250.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Books by Heart: Effects of communal bibliotherapy on depression and anxiety in cardiac patients.	Zoe Beiles	University of King's College	\$5,000.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Finding Family Members with Genetic Aortopathy: Relative Contributions of Family Screening and Cultural Implications of Sudden Familial Loss	Morag Brown	University of King's College	\$5,000.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00

PROJECT TITLE	RESEARCHER	ORGANIZATION	RNS FUNDING	SECTOR(S)	# JOBS CREATED (FTE)	# OF TRAINING OPPS	PARTNERS	CASH	IN-KIND
Contextualizing Culturally Relevant End-of-Life Care Through the Legacy of Mass Inuit Tuberculosis Evacuation	Jessica Casey	University of King's College	\$5,000.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
An exploratory study on the opportunities and challenges of humanities graduates in supporting the Nova Scotia Health Care System	Cecelia Leckie	University of King's College	\$5,000.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
Exploring Empowerment and Resilience: Gender Disparities in Cardiac Patient Recovery	Nicole Ponto	University of King's College	\$5,000.00	Health; Support for the Research Enterprise	0.00	0.00	N/A	N/A	\$0.00
TOTAL		\$9,294,895		67.67		754.18		\$60,526,853	\$76,928,878