



Research  
Manitoba

**Research Manitoba and our partners are pleased to announce the results below for the 2023 GRANTS & AWARDS COMPETITION**

**TOTAL FUNDING = \$962,010 – 53 AWARDS**

**(Research Manitoba Funding: \$673,950 / Partner Funding: \$244,900)**

### **Master's Studentship Competition**

**(TOTAL: 31 AWARDS / Research Manitoba Funding: \$318,000 / Partner Funding: \$95,100)**

The Master's Studentship Awards support highly qualified Master's students to prepare for careers as independent researchers in industry, within the healthcare system, and in other environments, thus attracting and retaining the best students within Manitoba.

This program partners with several organizations in Manitoba to provide joint funding opportunities, increasing the number of Studentships awarded annually.

*Partnered with the CancerCare Manitoba Foundation, Children's Hospital Research Institute of Manitoba, George & Fay Yee Centre for Healthcare Innovation, Health Sciences Centre Foundation, Manitoba Lung Association, and University of Manitoba WM Ross Scholarship.*

## SOCIAL SCIENCE AND HUMANITIES

**All Studentships are valued at \$12,000**

**Name:** Samantha Pierce

**Institution:** University of Manitoba, Faculty of Arts, Department of Psychology

**Supervisor:** Richard Kruk

**Funding Pillar:** Social Sciences & Humanities

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Sooner or Later: How the First-Letter Advantage Develops and Why it's Important.*

**Name:** Jedidah Kalala

**Institution:** University of Manitoba, Faculty of Arts, Department of Psychology

**Supervisor:** Janine Montgomery

**Funding Pillar:** Social Sciences & Humanities

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Co-designing Physical Activity Applications with Individuals with Autism Spectrum Disorder.*

**Name:** Annie Martel

**Institution:** University of Winnipeg, Faculty of Graduate Studies, Masters of Environment and Social Change

**Supervisor:** Ian Mauro & Ryan Bullock

**Funding Pillar:** Social Sciences & Humanities

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Métis Knowledge, Climate Change Risk Assessment, and Adaptation Planning in Michif Communities in Southeastern Manitoba.*

**Name:** Hassan Abdulkadir

**Institution:** University of Winnipeg, Faculty of Business and Economics, Department of Economics

**Supervisor:** Melanie O'Gorman

**Funding Pillar:** Social Sciences & Humanities

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Does Rainfall Cause Food Security? The Nexus Between Rainfall and Food Insecurity in the Horn of Africa.*

## NATURAL SCIENCES AND ENGINEERING

*All Studentships are valued at \$12,000*

**Name:** Turac Aydogan

**Institution:** University of Manitoba, Faculty of Science, Department of Biological Sciences

**Supervisor:** Fuat Balci

**Funding Pillar:** Natural Sciences & Engineering

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The Effect of Dopaminergic Manipulations on Bayesian Integration in the Context of Temporal Averaging: Chemogenetics Approach.*

**Name:** Zayra Batun

**Institution:** University of Manitoba, Faculty of Science, Department of Microbiology

**Supervisor:** Silvia Cardona

**Funding Pillar:** Natural Sciences & Engineering

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Exploring CRISPRi fitness costs and silencing of essential genes as a biocontainment strategy in Burkholderia cenocepacia.*

**Name:** Jueqin Lu

**Institution:** University of Winnipeg, Faculty of Science, Bioscience, Technology and Public Policy Program

**Supervisor:** Sanoji Wijenayake

**Funding Pillar:** Natural Sciences & Engineering

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The role of milk-derived exosomes on NF- $\kappa$ B-mediated proinflammation and NRLP3 Inflammasome formation.*

**Name:** Ayomide Fatogun

**Institution:** University of Winnipeg, Faculty of Science, Masters of Environment and Social Change

**Supervisor:** Christopher Storie

**Funding Pillar:** Natural Sciences & Engineering

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Aerial Surveys of Moose using Drone and Satellite Imagery in Manitoba.*

**Name:** Pranav Sadana

**Institution:** University of Winnipeg, Faculty of Science, Bioscience, Technology and Public Policy Program

**Supervisor:** Craig Willis

**Funding Pillar:** Natural Sciences & Engineering

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *'Torpor-assisted hibernation': Do endangered little brown bats (*Myotis lucifugus*) use heterothermy to help build fat reserves for hibernation?*



## **SOCIAL/POPULATION HEALTH**

*All Studentships are valued at \$12,000 unless otherwise specified below*

**Name:** Mudra Dave

**Institution:** University of Manitoba, Faculty of Kinesiology and Recreation Management

**Supervisor:** Todd Duhamel & Rakesh Arora

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The Impact of Preoperative Physical Activity on Postoperative Delirium in Cardiac Surgical Patients: A Prospective Study.*



## HEALTH – BASIC BIOMEDICAL

*All Studentships are valued at \$12,000 unless otherwise specified below*

**Name:** Shruti Rathore

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Medical Microbiology & Infectious Disease

**Supervisor:** Lyle McKinnon

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Defining associations between vaginal microbiota, chemokines, and CXCR3+ T cells in the female genital tract.*

**Name:** Ara Anam

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Biochemistry and Medical Genetics (Medicine)

**Supervisor:** Meaghan Jones

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *DNA Methylation Changes Induced by Prenatal Cannabis Exposure In Mice.*

**Name:** Fatemeh Sedaghat

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Abdelilah Soussi Gounni

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Investigating the role of Semaphorin3E in the regulation of immunoglobulin E in HDM-induced asthma.*

**Name:** Olga Kuzmychova

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pathology (Medicine)

**Supervisor:** Tanveer Sharif

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba and CancerCare Manitoba

**Project Title:** *Therapeutic targeting of metabolic adaptations to circumvent therapy resistance in glioblastoma.*

**Name:** Joseph Grauer

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Dental Diagnostics and Surgical Sciences (Dentistry)

**Supervisor:** Jill Helms & Chrysi Stavropoulou

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Enhancing soft tissue integration of implants.*

**Name:** Deanne Nixie Miao

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Biochemistry and Medical Genetics (Medicine)

**Supervisor:** Britt Drögemöller

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba, CHRIM, and CancerCare Manitoba

**Project Title:** *Mapping Gene Dysregulation in Cisplatin-Induced Ototoxicity at the Single-Cell Level.*

**Name:** Erwin Taguiam

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Medical Microbiology & Infectious Disease

**Supervisor:** Zulma Rueda & Yoav Keynan

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Investigating the transcriptomic and proteomic profile of tuberculosis disease in persons living with HIV in Colombia populations.*

**Name:** Tyler Anderson

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pharmacology and Therapeutics

**Supervisor:** Jody Haigh

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba and CancerCare Manitoba

**Project Title:** *Studying the synergistic role of IL-7/IL-7R and ZEB2 in solid tumor settings.*

**Name:** Erin Robert

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Medical Microbiology & Infectious Disease

**Supervisor:** Aruna Ambagala & Jason Kindrachuk

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Development of an effective mRNA-based Classical swine fever vaccine that can differentiate vaccinated from infected animals.*

**Name:** Uswat Ogungbola

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Deanna Santer

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Identifying dysregulated interferon-lambda responses in pediatric ulcerative colitis.*

**Name:** Stephanie Cheetham

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Biochemistry and Medical Genetics (Medicine)

**Supervisor:** Tamra Werbowetski-Ogilve

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Exploring new targeted therapies for SHH medulloblastoma.*

**Name:** Tim Rozovsky

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Physiology and Pathophysiology (Medicine)

**Supervisor:** Davinder Jassal & Pawan Singal

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** CancerCare Manitoba

**Project Title:** *Is Empagliflozin equivalent and/or synergistic with ACE inhibition in the prevention of chemotherapy mediated cardiotoxicity?*



**Name:** Fariba Forozan

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Physiology and Pathophysiology (Medicine)

**Supervisor:** Shyamala Dakshinamurti & Prashen Chelikani

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Manitoba Lung Association and CHRIM

**Project Title:** *Regulation of GPCR T2R14 in the Pulmonary Circulation.*

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pharmacology and Therapeutics (Medicine)

**Supervisor:** Galen Wright & Britt Drögemöller

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Health Sciences Centre Foundation

**Project Title:** *Genomic characterization of human traits associated with polyglutamine disease genes and modifiers.*

**Name:** Aruni Sumanarathne

**Institution:** University of Manitoba, Faculty of Sciences, Department of Microbiology

**Supervisor:** Aleeza Gerstein

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The distribution of neutral mutations in the fungal microbe Candida albicans.*

**Name:** Khushali Trivedi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pharmacology and Therapeutics (Medicine)

**Supervisor:** Vernon Dolinsky

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Role of SIRT3 deficiency in the development of gestational diabetes.*

**Name:** Havva Afshari

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Biochemistry and Medical Genetics (Medicine)

**Supervisor:** Rene Zahedi

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Global monitoring of kinase activation states in cells and tissues.*

**Name:** Rafe Helwer

**Institution:** University of Manitoba, Faculty of Sciences, Department of Microbiology

**Supervisor:** Peter Pelka

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The role of Arglu1 in carcinogenesis, DNA damage response and cancer cell survival.*

**Name:** Brielle Martens

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Medical Microbiology & Infectious Disease

**Supervisor:** Jason Kindrachuk

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Population-based study on antibody thresholds for COVID-19 breakthrough infections.*

**Name:** Obinna Okeke

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology

**Supervisor:** Sam K.P Kung

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$12,000 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Elucidating a role of Natural Killer Cells in immune-surveillance of Prolactin Inducible Protein-Expressing Breast Cancer Cells from the Primary and Metastatic Tumor Microenvironments.*

**Name:** Sriyani Ranatunga

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Physiology and Pathophysiology (Medicine)

**Supervisor:** Christopher Pascoe

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Manitoba Lung Association and CHRIM

**Project Title:** *Maternal Diabetes and Smoking as Early Life Risk Factors for Chronic Obstructive Pulmonary Disease.*

## **PhD in Health Research Studentship Competition**

**(TOTAL: 19 AWARDS / Research Manitoba Funding: \$267,750 / Partner Funding: \$105,700)**

PhD Health Research Studentships support highly qualified doctoral trainees. These exceptional trainees significantly increase the productivity of the research programs with which they are affiliated.

In addition to the funding from our partners, Research Manitoba is thrilled to announce that we are solely funding 15 PhD Health Research Studentship Awards this competition cycle. This is the first time since 2017 that Research Manitoba has been able to provide students at the PhD level with Research Manitoba funds.

Starting in the 2023-24 trainee competition launching this September 2023, Research Manitoba will be providing funding for exceptional PhD Students and Postdoctoral Fellows in all of our funding pillars. This means that students that are not affiliated with one of our funding partners in the health category will be eligible to apply, as well as students from the social sciences & humanities and natural sciences & engineering!

*Partnered with the CancerCare Manitoba Foundation, Children's Hospital Research Institute of Manitoba, and George & Fay Yee Centre for Healthcare Innovation.*

### **SOCIAL/POPULATION HEALTH**

**Name:** Shayna Pierce

**Institution:** University of Manitoba, Faculty of Graduate Studies, PhD in Applied Health Sciences Program

**Supervisor:** Kristin Reynold & Leslie Roos

**Funding Pillar:** Social Population Health

**Funding Amount:** \$35,000 for 1 year

**Funded by:** CHRIM & CHI

**Project Title:** *Addressing Unmet Perinatal Mental Healthcare Needs in Canada: Next Steps for Integrating Patient-Oriented e-Health Interventions and Referrals into Primary Healthcare.*

**Name:** Olubukola Olatosi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Oral Biology (Dentistry)

**Supervisor:** Robert Schroth

**Funding Pillar:** Social Population Health

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Exploring strategies for implementing a culturally informed caries risk assessment tool used by non-dental primary care providers for young First Nations and Metis children in Manitoba, Canada.*

**Name:** Stephanie Dudok

**Institution:** University of Manitoba, Faculty of Arts, Department of Psychology

**Supervisor:** Kristin Reynolds

**Funding Pillar:** Social Population Health

**Funding Amount:** \$35,000 for 1 year

**Funded by:** CHI

**Project Title:** *Improving Access to and Navigation of Late-Life Mental Health, Substance Use and Addiction Services: Understanding the Needs and Priorities of Adults 65+, Community Organizations, and Service Providers.*

**Name:** Inga Christianson

**Institution:** University of Manitoba, Faculty of Arts, Department of Psychology

**Supervisor:** Kristin Reynolds

**Funding Pillar:** Social Population Health

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *A Mixed-Methods Examination of the Relationship Between Psychosocial Challenges, Mental Health Problems, and Physical Health Problems Among Adults Aged 65+ and the Resources Needed to Address These Problems.*

**Name:** Caitlin Menzies

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pharmacology and Therapeutics (Medicine)

**Supervisor:** Vernon Dolinsky

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Developmental origins of cardiomyopathy: The role of SIRT3.*

## HEALTH - BASIC BIOMEDICAL

**Name:** Malu Tshikudi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Jean-Eric Ghia

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** CHRIM

**Project Title:** *Characterization of the effect of the lack of chromogranin A on colonic epithelial barrier functions in male and female mice during colitis.*

**Name:** Shahin Shabanipour

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, College of Pharmacy

**Supervisor:** Jillian Stobart

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Brain pericytes and Ca<sup>2+</sup> signalling in Alzheimer's Disease mouse model.*

**Name:** Folayemi Olayinka-Adefemi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Aaron Marshall

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The Role of B cell specific PI3K $\delta$  Signaling in Modulating Pathologic Lung inflammation.*

**Name:** Fatemeh Hesampour

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Jean-Eric Ghia

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *The impact of non-invasive transcutaneous auricular vagus nerve stimulation (NitaVNS) on the development of experimental colitis in mice.*

**Name:** Patience Obi

**Institution:** University of Manitoba, Faculty of Graduate Studies, PhD in Applied Health Sciences Program

**Supervisor:** Ayesha Saleem & Todd Duhamel

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Proteomic cargo of skeletal muscle extracellular vesicles after chronic exercise.*

**Name:** Courtney Marshall

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Neeloffer Mookherjee

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Sex as a biological variable in the modulation of airway inflammation by innate defence regulator (IDR) peptides.*

**Name:** Saeid Maghsoudi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Physiology and Pathophysiology (Medicine)

**Supervisor:** Shyamala Dakshinamurti

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Inhibition of Adenylyl Cyclase Isoform 6 by Cysteine Nitrosylation in Hypoxic Pulmonary Hypertension, and Rescue with Novel Forskolin Derivatives.*

**Name:** Benjamin Bydak

**Institution:** University of Manitoba, Faculty of Graduate Studies, PhD in Applied Health Sciences Program

**Supervisor:** Ayesha Saleem

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Biogenesis and functional effects of extracellular vesicles in senescent pancreatic  $\beta$ -cells.*

**Name:** Dheerendra Pandey

**Institution:** University of Manitoba, Faculty of Graduate Studies, PhD in Applied Health Sciences Program

**Supervisor:** Andrew Halayko

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Multidimensional role of CD38 in oxidized phosphatidylcholine (OxPCs) in obstructive lung diseases.*

**Name:** Diana Topolnitska

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Afshin Raouf

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** CancerCare Manitoba

**Project Title:** *The Immunobiology of Tumor-Adjacent Breast Tissue and Its Implication for Immunotherapy.*

**Name:** Mojdeh Matloubi

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Abdelilah Soussi Gounni

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Investigating the role of airway epithelial cell-derived (AEC) semaphorin3E in severe neutrophilic allergic asthma.*

**Name:** Wenxia Luo

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, College of Pharmacy

**Supervisor:** Ted Lakowski

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Selective reversal of promoter hypermethylation with targeted DNA methyltransferase inhibitors in gastric cancer.*

**Name:** Oluwafolahanmi Ige

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, College of Pharmacy

**Supervisor:** Ted Lakowski

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Measuring the Effects of Gene Specific Lysine Methyl Transferase Inhibitors In Vitro and in Cells Using LC-MS/MS.*

**Name:** Huda Rajani

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Immunology (Medicine)

**Supervisor:** Abdelilah Soussi Gounni

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$17,850 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Investigate the Role of Semaphorin3E in Inhibition and Reversal of Asthma-Induced Epithelial Mesenchymal Transition Using Primary Human Epithelial Cells.*



## **Health Research Postdoctoral Fellowship Competition**

**(TOTAL: 3 AWARDS / Research Manitoba Funding: \$88,200 / Partner Funding: \$44,100)**

Research Postdoctoral Fellowships support highly qualified postdoctoral trainees to prepare for careers as independent researchers. These exceptional trainees significantly increase the productivity of the research programs with which they are affiliated.

In addition to the funding from our partners, Research Manitoba is thrilled to announce that we are solely funding 2 Health Research Postdoctoral Fellowships this competition cycle. This is the first time since 2017 that Research Manitoba has been able to provide students at the Postdoctoral Fellow level with Research Manitoba funds.

Starting in the 2023-24 trainee competition launching this September 2023, Research Manitoba will be providing funding for exceptional PhD Students and Postdoctoral Fellows in all of our funding pillars. This means that students that are not affiliated with one of our funding partners in the health category will be eligible to apply, as well as students from the social sciences & humanities and natural sciences & engineering!

*Partnered with the CancerCare Manitoba Foundation, Children's Hospital Research Institute of Manitoba, and George & Fay Yee Centre for Healthcare Innovation.*

### **SOCIAL/POPULATION HEALTH**

**Name:** Emily Cameron

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Pediatrics and Child Health (Medicine)

**Supervisor:** Terry Klassen & Leslie Roos

**Funding Pillar:** Social Population Health

**Funding Amount:** \$44,100 for 1 year

**Funded by:** CHRIM

**Project Title:** *The Striving for Wellness in fatherhood (SWell) parenting program: A pilot randomized control trial to assess feasibility and acceptability of an app-based intervention for fathers of young children.*

## HEALTH - BASIC BIOMEDICAL

**Name:** Zahra Khosrowpour

**Institution:** University of Manitoba, Rady Faculty of Health Sciences, Department of Biochemistry and Medical Genetics (Medicine)

**Supervisor:** Mojgan Rastegar & James Davie

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$44,100 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Investigating the disease-associated abnormalities of the brain in Rett Syndrome.*

**Name:** Tamiris Souza

**Institution:** University of Manitoba, Faculty of Kinesiology and Recreation Management

**Supervisor:** Ayesha Saleem

**Funding Pillar:** Basic Biomedical

**Funding Amount:** \$44,100 for 1 year

**Funded by:** Research Manitoba

**Project Title:** *Extracellular vesicles in mitochondrial diseases: biomarker and therapeutical intervention.*

# Thank you to Our Partners!



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University  
of Manitoba

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If you would like more information about the Research Manitoba **2023 GRANTS & AWARDS COMPETITION RESULTS**, please contact:

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Research Manitoba

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