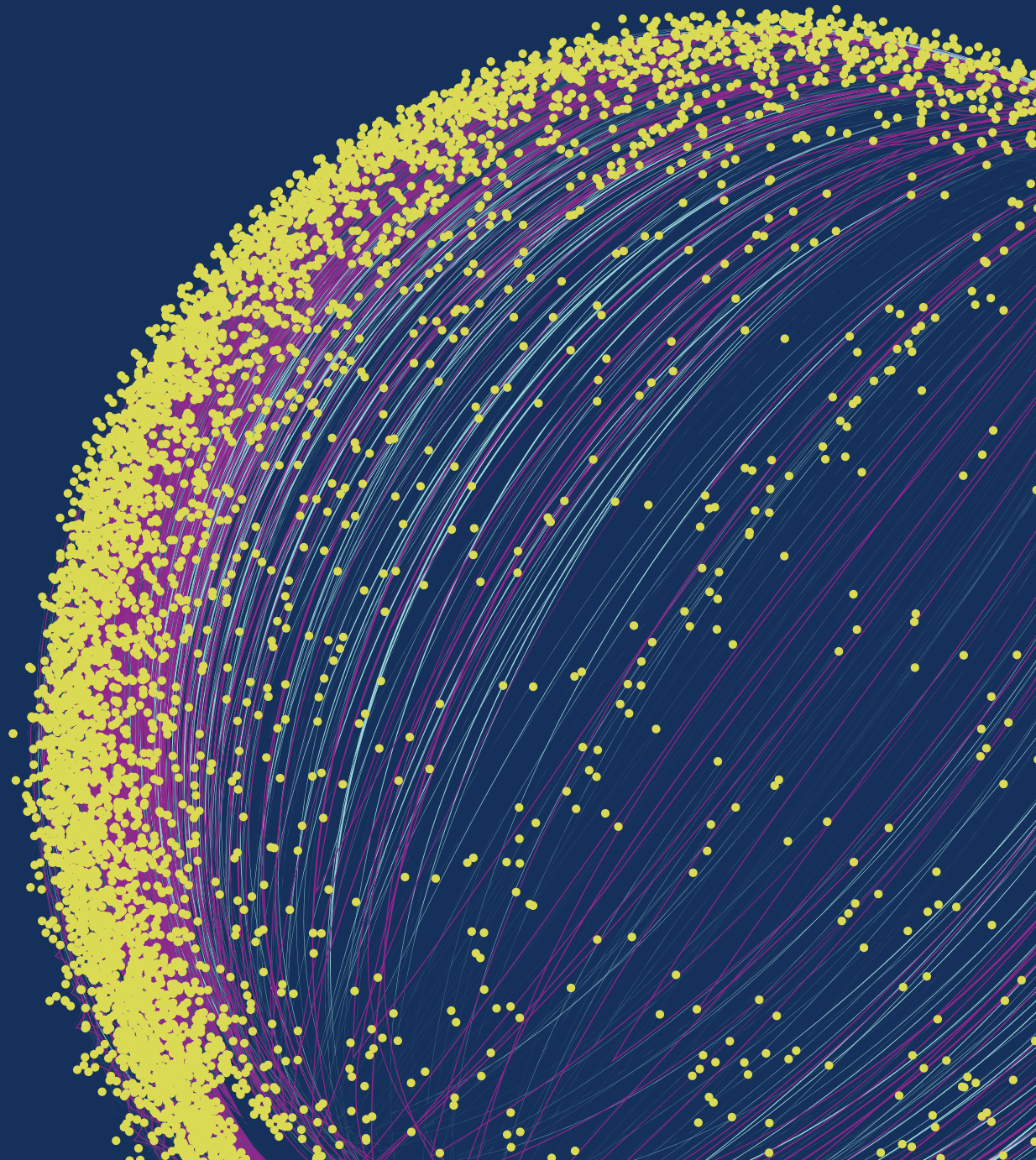


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# Creating New Pathways

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18 / 19 ANNUAL REPORT



AT RESEARCH MANITOBA, WE ENSURE THAT RESEARCHERS AND INNOVATORS CAN EXCEL AND FOLLOW THEIR PASSION HERE IN MANITOBA'S RESEARCH COMMUNITY, ADVANCING AND IMPROVING ALL ASPECTS OF OUR SOCIETY.

OUR MANDATE IS TO PROMOTE AND SUPPORT, AND COORDINATE THE FUNDING OF, RESEARCH IN THE HEALTH, NATURAL AND SOCIAL SCIENCES, ENGINEERING AND THE HUMANITIES IN MANITOBA.

For more information contact:

**Research Manitoba**

A201 Chown Building – 753 McDermot Avenue  
Winnipeg, MB R3E 0T6

Telephone: [204]775-1096  
Fax: [204]786-5401  
E-mail: [info@researchmb.ca](mailto:info@researchmb.ca)  
Website: [www.researchmanitoba.ca](http://www.researchmanitoba.ca)

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## MESSAGE FROM THE CHAIR



*BPostl*

### DR. BRIAN POSTL

#### CHAIR

*Dean and Vice-Provost, Max  
Rady College of Medicine, Rady  
Faculty of Health Sciences,  
University of Manitoba*

In March of 2018, Research Manitoba was impacted by the provincial budget. Our funding was decreased by 30 percent to \$12 million, which started the 2018/19 fiscal year with a very difficult task ahead; to create new pathways, to establish new relationships, and fortify existing ones. It became a priority to connect with the research community and collect and share the stories of our research funding dollars at work in the province. Despite the challenging start to the year, we found that the new pathways unearthed the roots of research and the significant connections that it has to health and the healthcare system, industry, innovation, and employment.

The report titled “Growing Manitoba’s Economy” was released in December 2018 and as the provincial research funding body we developed an action plan that would strengthen the province’s research community, leverage investments, and support industry. The plan was our call to action to work with our partners to support research excellence and activities for the sustainability, success, and growth of our province.

One part of our plan included the Research Improvements Through Harmonization in Manitoba (RITHIM) initiative to harmonize the system for ethics, privacy, and impact review, which will extensively improve the coordination and time-to-conduct of health research in Manitoba. The overall goals of this initiative are to make Manitoba more competitive so that clinical trials and industry investment can flourish. One of the most important steps in moving RITHIM forward was to connect with stakeholder groups impacted by this initiative in Manitoba.

We had the privilege of connecting with more than 35 groups across Manitoba. These groups included Shared Health, executive level hospital staff, regional health authorities, researchers, practitioners, community organizations and partners. Each meeting helped us to build awareness of the initiative, to create open dialogue, and to employ best practices in change management. Our RITHIM Advisory Committee has been central to our activity, their energy and dedication to advancing research and exchanging knowledge is truly inspiring – thank you.

Another activity that helps us to celebrate research excellence is the on-going development of our Impact reports. Research Manitoba creates these reports to communicate and link the outcomes and far-reaching impacts of successful and unique Manitoba-based research. Two reports were published in 2018-19: one on interpersonal violence and the work that the RESOLVE group has done and the other focused on Rh Disease and the countless lives that have been saved and the economic impacts that have come from a treatment called WinRho.

In 2018 we began working with Mitacs and with the Manitoba Department of Agriculture to assist these organizations in sharing the impact of their research investments. The impacts and outcomes of research in Manitoba is far-reaching and we look forward to creating new partnerships to tell these stories.

In closing, I would like to say that, as I leave the Board, I have appreciated my time as Chair and to the departing members of Research Manitoba’s Board. I offer a sincere thank you for your commitment, vision, networking skills, and diplomacy. I would also like to thank Ms. Christina Weise, Chief Executive Officer, for her ongoing leadership, all of Research Manitoba’s employees for their hard work, and our partners and stakeholders for their continued support and wish you every success in 2019/20.

## MESSAGE FROM THE CHIEF EXECUTIVE OFFICER

I am proud to present Research Manitoba's 2018-19 Annual Report, "Creating New Pathways", which highlights an incredibly active year. We had major changes in budget, staff, and programs as we awaited the appointment of a new Board of Directors, but there were also many accomplishments such as our continued dedication to community engagement, new research initiatives, and the expansion of partnerships in Manitoba.

We celebrated our first Manitoba: Home of World-Class Research event, which was held at the Legislative Building on April 5, 2018. It was a successful milestone that brought members of the Provincial Government together to learn about some of Manitoba's most innovative research projects.

There were several opportunities to support our community through various programs and competitions: the New Investigator Operating Grant competition included health, natural sciences and engineering, and social sciences and humanities for the first time. We also assisted in the administration of a Rady Faculty of Health Sciences Graduate Entrance Scholarship, and we managed a Children's Hospital Research Institute of Manitoba/CancerCare Postdoctoral Fellowship committee.

Connecting and working with our partners to support Manitoba's talented researchers is a core activity and in 2018-19 we partnered with the Centre for Aging and Brain Health Innovation [CABHI] on their Industry Innovation Partnership Program [I2P2] to invest in end-user driven products to care for aging and older adults.

Throughout the year we developed Policy Fellowships in partnership with Mitacs, which provides a 12-month immersion into the policy-making process working with government decision makers and stakeholders. We also partnered with the Heart and Stroke Foundation of Canada and the University of Manitoba to support the recruitment of a clinical research chair in stroke to provide leadership to the stroke unit, lead clinical stroke research, and champion Canadian Stroke Best Practices in Manitoba.

The Canadian Institutes of Health Research's [CIHR] Network Environment for Indigenous Health Research [NEIHR] Indigenous Health Nursing Chair initiative approached Research Manitoba with the opportunity to partner on a Manitoba Indigenous Health Nursing Chair. This initiative will support nurses of Indigenous descent to conduct research on nursing and health issues affecting First Nations, Inuit and Métis peoples in Canada. Support for this initiative will begin in the fall of 2019.

Throughout the year we took on three new staff members: Kathleen Zawaly was hired as a Researcher to complete our impact narratives and reports, Mikayla Hunter joined the team as Executive Assistant, and we welcomed Colleen Metge to the position of Interim Manager of Programs.

Thank you to our Research Advisory committee for their active participation, continued engagement, and steadfast support. This group consistently encourages us to cultivate and improve the province's research enterprise.

I would like to acknowledge every Board member for their dedication as their contributions to our organization are immeasurable; I wish you every success. I would also like to thank Dr. Postl, our departing Board Chair, for his mentorship and commitment to Research Manitoba - his leadership has made a lasting impact on me and the organization.

We look forward to advancing research excellence in Manitoba with the same spirit we always have - with the highest level of collaboration and innovation - and as I look ahead to 2019/20, I see a future for Manitoba's research community that is stronger than ever.



*Christina Weise*

**CHRISTINA WEISE**  
CHIEF EXECUTIVE OFFICER

*Research Manitoba*

# RESEARCH MANITOBA BOARD MEMBERS

Research Manitoba's Board includes membership from the research community, provincial government, business, academic institutions, and health agencies. The Board's appointments are made by Order in Council by the Government of Manitoba.

## BOARD MEMBERS ENDING IN MARCH 2019

**DR. BRIAN POSTL**

**CHAIR**  
*Dean & Vice-Provost, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba*

**DR. DIGVIR JAYAS**

**VICE CHAIR**  
*Vice-President (Research and International), Office of the President, University of Manitoba*

**MR. BOB BRENNAN**

**SECRETARY TREASURER**  
*Former President and CEO, Manitoba Hydro (Retired)*

**DR. JINO DISTASIO**

*Vice President, Research and Innovation, Director, Institute of Urban Studies, The University of Winnipeg*

**MR. RICK JENSEN**

*Director of Communications, Community and Government Relations, Boeing Canada Operations Ltd. (Boeing Winnipeg) (Retired)*

**MR. CHRIS JOHNSON**

*Co-Founder, and CEO, Permission Click and Founding Board Member, North Forge Technology Exchange*

**DR. JOHN LANGSTAFF**

*PhD.*

**DR. SUSAN McCLEMENT**

*Professor, College of Nursing, Rady Faculty of Health Sciences, University of Manitoba*

**DR. PETER NICKERSON**

*Vice Dean (Research), Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba*

**DR. LAURA SAWARD**

*Senior Vice President, Antibody Therapeutics Business Unit Lead, Emergent Biosolutions*

**DR. BARBARA L. TRIGGS-RAINE**

*Professor, Department of Biochemistry and Medical Genetics, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba*  
*[End date: November 2018]*



# RESEARCH MANITOBA BOARD MEMBERS

## BOARD MEMBERS AS OF MARCH 19, 2019

### MS. TRACEY MACONACHIE

#### CHAIR

*President, Bioscience Association of Manitoba*

### DR. DIGVIR JAYAS

#### VICE CHAIR

*Interim President of the Natural Sciences and Engineering Council of Canada and Vice-President [Research and International], Office of the President, University of Manitoba*

### DR. RASHID AHMED

*PhD, Associate Professor, Department of Community Health Sciences, Max Rady College of Medicine, Rady Faculty of Health Sciences, University of Manitoba*

### MS. DOREEN BILODEAU

*Former General Manager, North American Plastics*

### DR. HANI EL-GABALAWY

*Professor of Medicine and Immunology, Endowed Rheumatology Research Chair, University of Manitoba*

### MR. LUIS ESCOBAR

*Professional Engineer and Member of the Transportation Association of Canada and Institute of Transportation Engineers*

### MR. EARL GARDINER

*Founder and Executive Chairman of RANA Respiratory Care Group*

### MR. CHRIS JOHNSON

*Co-founder and CEO, Permission Click Inc.*

### MS. ANDREA LEGARY

*Senior Manager, Global Research and Development and Government Incentives, Deloitte*

## EX OFFICIO, NON-VOTING MEMBERS FOR 2018-19:

### MR. DAVE DYSON

*Deputy Minister, Growth, Enterprise and Trade, Province of Manitoba*

### MR. GRANT DOAK

*Deputy Minister, Education and Training, Province of Manitoba*

### MS. KAREN HERD

*Deputy Minister, Manitoba Health, Seniors and Active Living, Province of Manitoba*

## RESEARCH MANITOBA STAFF

Research Manitoba's staff team is dedicated to supporting, promoting, and advancing outstanding research in the Province of Manitoba. Each member brings their own unique experience and expertise, creating an environment of energetic collaboration in the pursuit of excellence.



**MS. FREYJA ARNASON**  
MANAGER, RITHIM



**MR. AMBROSIO P. CATALLA**  
EVALUATION AND  
POLICY ANALYST  
[END DATE: AUGUST 2018]



**MS. MARCIE FEHR**  
ADMINISTRATIVE ASSISTANT,  
FUNDING PROGRAMS  
[END DATE: SEPTEMBER 2018]  
MANAGER, PROGRAMS  
[AS OF SEPTEMBER 2018]



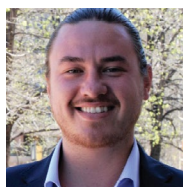
**MS. KRISTEN HOOPER**  
COMMUNICATIONS OFFICER



**MS. MIKAYLA HUNTER**  
EXECUTIVE ASSISTANT  
[AS OF OCTOBER 2018]



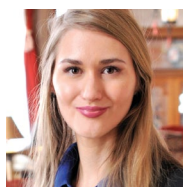
**DR. COLLEEN METGE**  
INTERIM MANAGER,  
PROGRAMS  
[AS OF FEBRUARY 2019]



**MR. TIM REDDECOPP**  
DIRECTOR, FINANCE AND  
ADMINISTRATION



**MS. SHANNON ROGALSKI**  
DIRECTOR,  
FUNDING PROGRAMS  
[END DATE: APRIL 2018]



**MS. KATHLEEN ZAWALY**  
RESEARCHER: EVALUATION  
AND IMPACT  
[AS OF JULY 2018]



**MS. CHRISTINA WEISE**  
CHIEF EXECUTIVE OFFICER



**MS. NECOLE SOMMERSELL**  
MANAGER, HEALTH RESEARCH  
FUNDING PROGRAMS  
[END DATE: SEPTEMBER 2018]  
MANAGER, EVALUATION  
AND IMPACT  
[AS OF SEPTEMBER 2018]



# RESEARCH ADVISORY COMMITTEE

## RESEARCH ADVISORY COMMITTEE MEMBERS FROM APRIL 1, 2018 – MARCH 31, 2019

### DR. BARBARA TRIGGS-RAINE

CHAIR [END DATE: NOVEMBER 2018]

[Research Manitoba Board Representative]

### DR. JUDY ANDERSON

Department of Biological Sciences,  
University of Manitoba

### DR. DANNY BLAIR

Department of Geography, The University of Winnipeg

### PROFESSOR KAREN BUSBY

Faculty of Law, University of Manitoba

### DR. PATRICIA CAETANO

Provincial Drug Programs, Manitoba Health,  
Seniors and Active Living

### DR. ALLISON DART

Department of Nephrology, University of Manitoba

### DR. HEATHER DUNCAN

Department of Education, Brandon University

### MR. RAY HOEMSEN

Research Partnerships & Innovation,  
Red River College

### DR. POURANG IRANI

Department of Computer Science,  
University of Manitoba

### DR. JOSÉE LAVOIE

Department of Community Health Sciences,  
University of Manitoba

### DR. MICHELLE LOBCHUK

College of Nursing, Rady Faculty of Health Sciences,  
University of Manitoba

### DR. BRIAN MARK

Department of Microbiology, University of Manitoba

### DR. NICOLE ROSEN

Department of Linguistics, University of Manitoba

### DR. SAMAR SAFI-HARB

Department of Physics and Astronomy,  
University of Manitoba

### DR. FEIYUE [FEI] WANG

Department of Environment and Geography,  
University of Manitoba

### EX-OFFICIO MEMBERS

### DR. SUSAN McCLEMENT

[Research Manitoba Board Representative]

### DR. JINO DISTASIO

[Research Manitoba Board Representative]

The Research Advisory Committee (RAC) provides advice and makes recommendations to the Board on all research-related matters including administration of existing programs, opportunities for development of new programs, and research initiatives.

In 2018-19 Research Manitoba had a program expenditure of \$12.1 million.  
This listing includes programs that ended prior to the 2018-19 fiscal year, but still have ongoing payments.

Researchers/Investigators

Trainees

Mitacs Internships

325

Researchers / Trainees /  
Mitacs Internships  
Funded

221

196 ACCELERATE

2 ELEVATE

23 GLOBALINK

30

30 RESEARCHERS/INVESTIGATORS

74

58 TRAINEES FUNDED

14 TRAINEES FUNDED THROUGH NEW  
INVESTIGATOR OPERATING GRANTS

2 POSTDOCTORAL FELLOWS

# Funding Programs

Our funding programs are designed to support the research enterprise in Manitoba; programs and projects funded by Research Manitoba are relevant to our mandate. In 2018/19 Research Manitoba continued to expand programming to encompass the Social Sciences and Humanities [SSH] and Natural Sciences and Engineering [NSE] disciplines.

*This listing includes programs that ended prior to the 2018/19 fiscal year, but still have ongoing payments.*

## DIRECTED FUNDING

### MULTIPLE SCLEROSIS [MS] FUNDING

Ongoing support is provided for national and provincial activities to support clinical trials in MS (and related activities), utilizing one-time Government of Manitoba funding of \$5 million.



0.2 MIL

## MATCHING NATIONAL FUNDING

### CANADA FOUNDATION FOR INNOVATION [CFI]

The CFI is the Federal Government agency for funding research infrastructure: such as, state-of-the-art equipment, laboratories, databases, specimens, scientific collections, computer hardware and software, communications linkages, and buildings necessary to conduct leading-edge research. Research Manitoba's CFI Matching Fund program provides matching funds (40% of project total) for proposals that have been awarded grants through one of CFI's competitions.



7 MIL

### MANITOBA CENTRES OF EXCELLENCE FUND [MCEF]

MCEF is a research and development support mechanism for Manitoba researchers participating in national research networks who have been successful under the Federal Government's Networks of Centres of Excellence [NCE] program.

### PARTNERSHIPS FOR HEALTH SYSTEM IMPROVEMENT [PHSI]

Support for projects applying to the Canadian Institutes of Health Research [CIHR] PHSI program builds capacity in health services research. It may also be used for targeted Request for Applications in this area, provided that PHSI is under-subscribed.

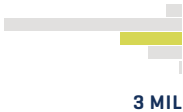
### STRATEGY FOR PATIENT ORIENTED RESEARCH [SPOR]

Funding in support of CIHR's SPOR is used to strengthen support for clinical trials and intervention studies, as well as research that compares the effectiveness, benefits, and harms of existing treatment options. The strategy also endeavors to improve the translation of innovative preventative, diagnostic, and therapeutic approaches into health care settings by expanding research in implementation science and incorporating these methods into day-to-day practice.

### MITACS

Mitacs is a national, not-for-profit organization that designs and delivers work-integrated learning programs for graduate students and post-doctorate fellows throughout Canada and internationally. In partnership with Research Manitoba, Mitacs delivers its Accelerate, Elevate, and Globalink programs throughout the province.

# FUNDING PROGRAMS



## RESEARCH PROGRAMS

### MANITOBA RESEARCH CHAIRS PROGRAM

The Research Chairs Program invests in the continued growth of successful research programs of internationally recognized independent investigators in Manitoba, providing \$100,000 per year for five years.

### NEW INVESTIGATOR OPERATING GRANTS

New Investigator Operating Grants are intended to support independent research programs of new faculty who have typically recently completed their postdoctoral training. This grant provides funding for a maximum of two years, to a maximum of \$65,000 in Health, \$25,000 in NSE, and \$20,000 in SSH.

### MID-CAREER OPERATING GRANTS

Health Research Mid-Career Operating Grants are intended to help mid-career investigators with established research programs within the province, develop and/or re-establish key components of their research programs that will increase their success in obtaining funding from national and other external agencies. This grant provides funding for a maximum of two years, to a maximum of \$75,000 per year.

### POSTDOCTORAL FELLOWSHIP AWARDS

Fellowship Awards support highly qualified postdoctoral trainees to prepare for careers as independent health researchers. All one-year awards consist of an annual stipend of \$36,750 (plus benefits) and a one-time travel allowance of up to \$1,500.

### GRADUATE STUDENTSHIPS AWARDS

Stipends support highly qualified Master’s trainees to prepare for careers as independent health researchers, in industry, within the healthcare system, or other environments. All one-year awards consist of an annual stipend of \$12,000.

# FUNDING PROGRAMS

## COLLABORATIVE RESEARCH TEAM/CLUSTER DEVELOPMENT PROGRAM

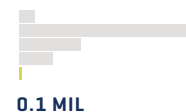
The goals of the Collaborative Research Team/Cluster Development Program are to:

- > support multidisciplinary research programs, which have a specific major objective/basic theme;
- > support innovative and cutting-edge research that advances Manitoba as a national/international leader in the field;
- > address research questions that cannot be accomplished by an individual researcher's program;
- > support research that engages appropriate end-users in the development of the research question;
- > and apply the findings which are relevant and will have an impact on the health of Manitobans and the health system.

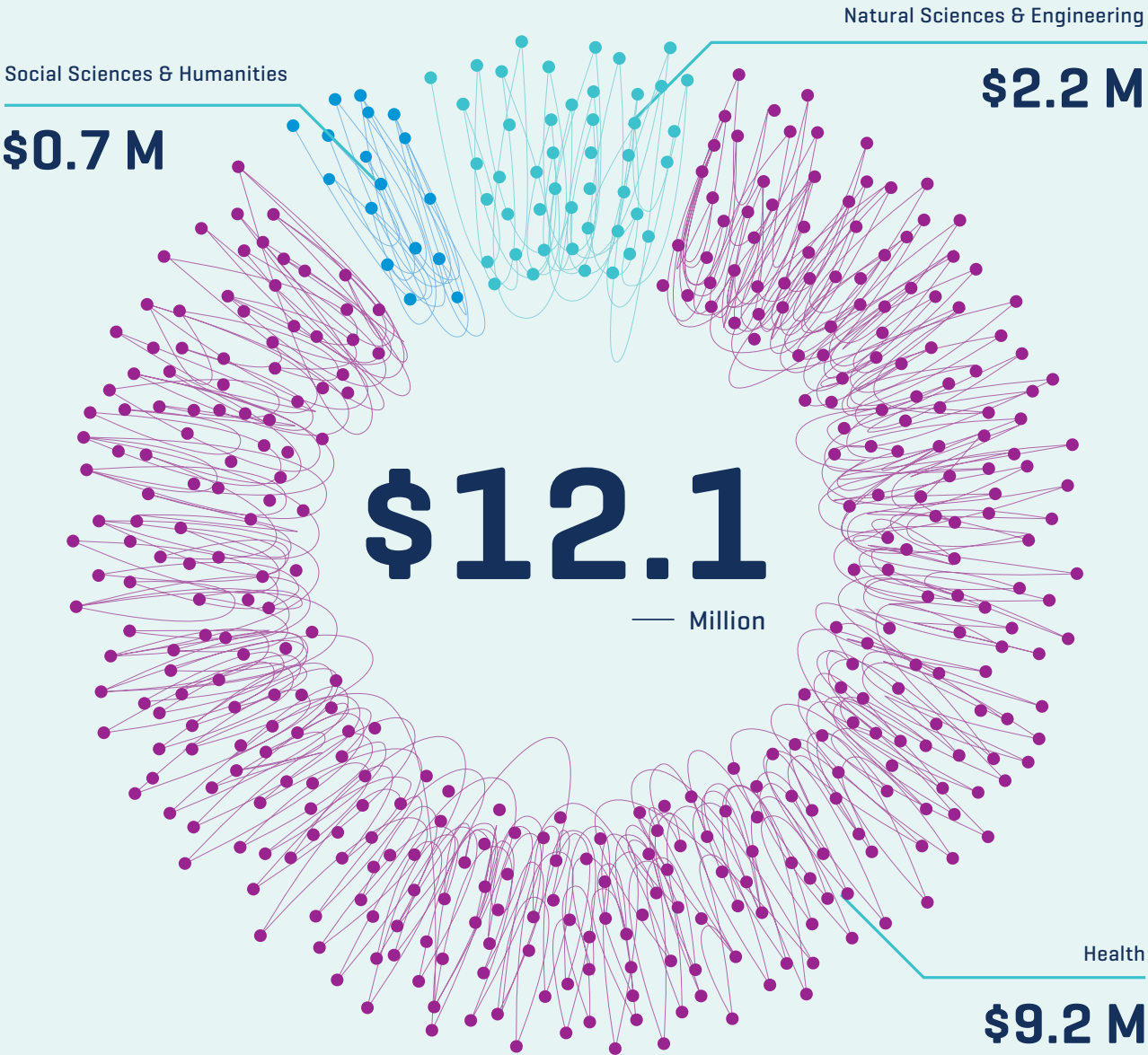


## RESEARCH IMPROVEMENTS THROUGH HARMONIZATION IN MANITOBA (RITHIM)

RITHIM is a special initiative mandated by the Province of Manitoba. Support for the RITHIM project is intended to improve time-to-conduct for health research in Manitoba through process improvement and inter-agency harmonization for ethics, privacy, and impact reviews.



# PROGRAM FUNDING BY SECTOR

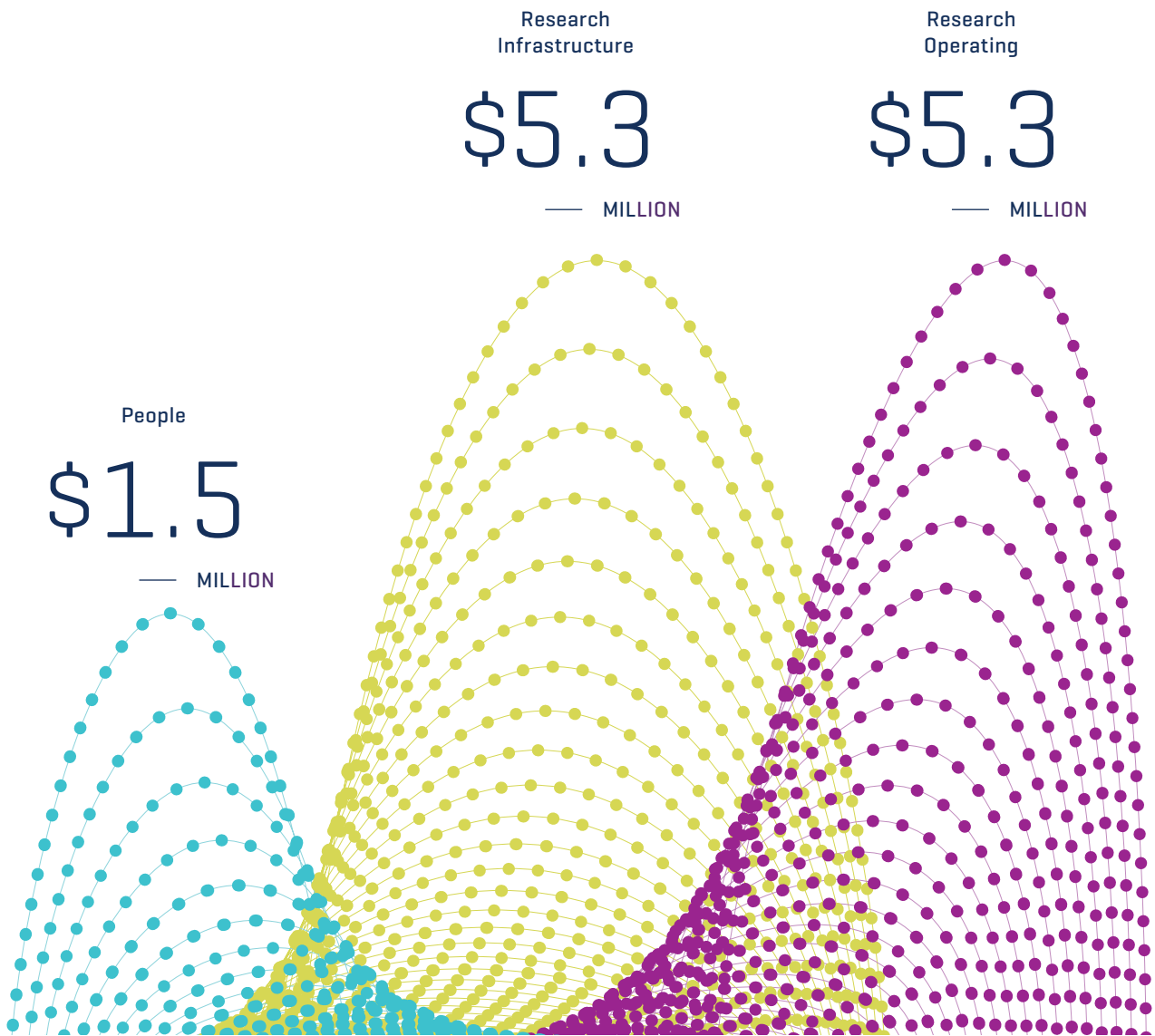


## FUNDING BY SECTOR





# PROGRAM FUNDING BY EXPENSE



## FUNDING BY EXPENSE



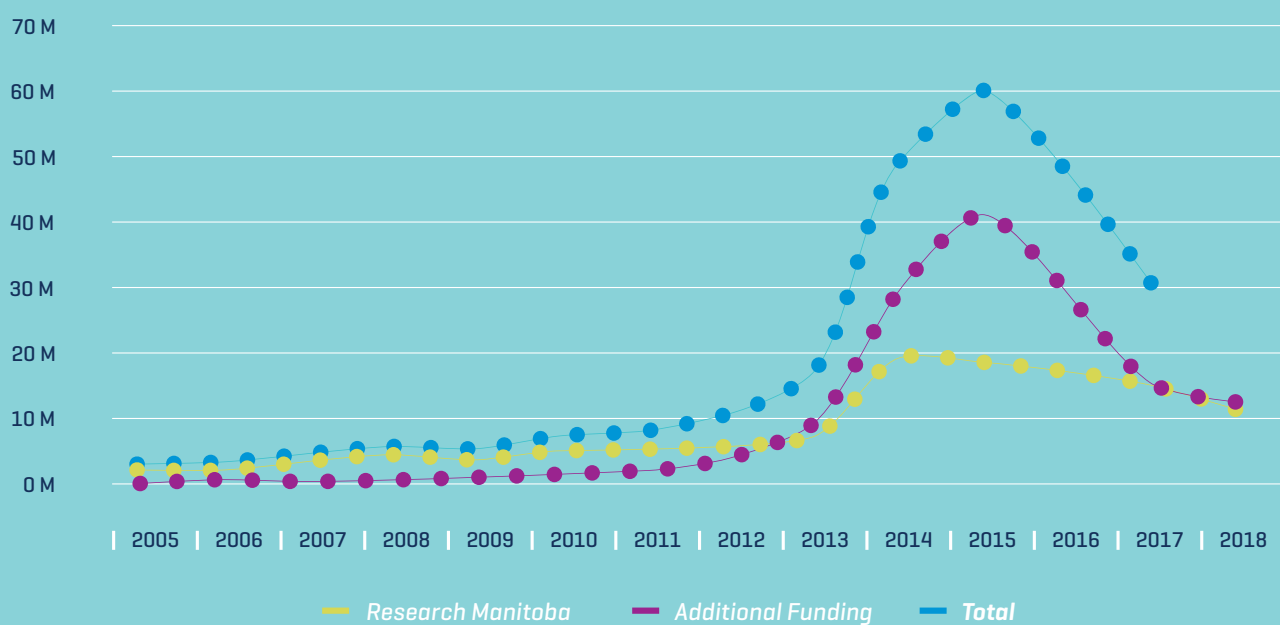
# WORKING IN PARTNERSHIP

Partnership is a critical component of maximizing the research potential within the province. Research Manitoba is pleased to work with the following organizations and institutions:

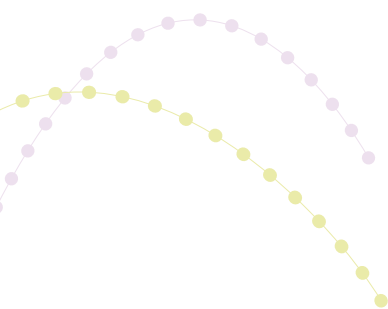


# PARTNERSHIP FUNDING

PARTNERSHIP FUNDS, 2005-2018 (\$ MILLIONS)



Research Manitoba considers any funds received by researchers from other sources for the same project/program, over and above Research Manitoba's investment, as partnered funds.



## CREATING NEW PATHWAYS

# Researcher Profiles

RESEARCH MANITOBA FUNDS EARLY CAREER RESEARCHERS THROUGH PROGRAMS SUCH AS OUR MASTER'S STUDENTSHIP AWARDS. THESE AWARDS PROVIDE FINANCIAL SUPPORT FOR RESEARCH PROJECTS, AS WELL AS VALUABLE GRANT WRITING EXPERIENCE FOR FUTURE FUNDING OPPORTUNITIES. THESE AWARDS HELP TO CREATE A PATHWAY FOR NEW RESEARCHERS TO BEGIN THEIR CAREER AND TO MAKE CONNECTIONS WITHIN THE RESEARCH COMMUNITY.

HERE ARE SOME HIGHLIGHTS FROM THREE TALENTED MASTER'S STUDENTS WORKING IN MANITOBA'S RESEARCH ENTERPRISE.

# MEET THE RESEARCHERS

## 2018 HEALTH MASTER'S STUDENTSHIP AWARD



**Name:** Ms. JuHae [Grace] Lee

**Program:** Master's Studentship

**Partnership:** CHRIM

**Supervisor:** Dr. Robert Schroth

**Lab Social Media/Website:**

Facebook: [facebook.com/HealthySmileHappyChild](https://facebook.com/HealthySmileHappyChild)

Instagram: [instagram.com/healthysmilehappychild/](https://instagram.com/healthysmilehappychild/)

**Department/Faculty/Institution:**

Department of Oral Biology (Dentistry), Rady

Faculty of Health Sciences, University of Manitoba

**Project Title:** Assessing the oral health status and oral health related quality of life of First Nations and Metis Children

### IN CONVERSATION

*For Grace Lee, focusing her work on helping understand the incidence of early childhood cavities [caries] in young First Nations and Metis children and the impact this has on their lives is a natural extension of her own childhood experience.*

*"I learned and gained experiences from living and growing up by helping my parents in their outreach and spiritual support work at Grassy Narrows First Nation community for the past 10 years," says Grace.*

*"Through this Research Manitoba funding, I can expand on my thesis project, which helps inform the Canadian Institutes of Health Research's funded early childhood oral health promotion project with First Nations and Metis communities in Manitoba."*

*Currently, there is no published data on the prevalence of early childhood caries (ECC) in Metis children and the oral health-related quality of life of young First Nations and Metis children is also unknown.*

*Grace's work involves collecting data that comes from Canadian Institutes of Health Research funded team grant "Scaling up the Healthy Smile Happy Child Initiative [HSHC]"*

*"With this funding, I will also be able to take a few courses to expand my knowledge on health promotion and to learn more about the different cultural perspectives. Early childhood cavities is the most common chronic disease of childhood faced by Indigenous children in Canada and one of the major public health related issues. Through my research, I wish to bring awareness and improvements in this field of study."*

*She sees her role as one piece in a broader approach to child health and well-being.*

*"I hope that my research can be one of many components to help enhance a community development approach to improve early childhood oral health for First Nations and Metis children. Also, through this, I hope that one will discover new research questions yet to be answered to better promote early childhood oral health in Manitoba."*

*Ultimately, she hopes to shine some light on the connections between oral health and happy children, to help improve children's lives.*

## MEET THE RESEARCHERS

### 2018 NATURAL SCIENCES AND ENGINEERING MASTER'S STUDENTSHIP AWARD



**Name:** Ms. Carrie Peters

**Program:** Master's Studentship

**Supervisor:** Dr. Cheryl Glazebrook

**Lab Social Media/Website:**

[umanitoba.ca/faculties/kinrec/research/pmillab](http://umanitoba.ca/faculties/kinrec/research/pmillab)

**Department/Faculty/Institution:**

Faculty of Kinesiology and Recreation Management,  
University of Manitoba

**Project Title:** Exploring rhythm and reach-ability in adults with and without cerebral palsy

### IN CONVERSATION

*Carrie Peters sees her current research in human movement control as opening many new pathways that will keep her exploring - and helping patients - for the foreseeable future.*

*"My recent research looked at how rhythmic auditory information like a metronome helps people who have had a stroke or cerebral palsy improve their motor performance in a reaching task. I also examined whether the sound supplemented the motor system when vision was unavailable.*

*I hope my research will be used to inform movement rehabilitation programs for populations with sensorimotor impairments."*

*The knowledge gained from her research also strengthens our understanding of human movement control, by exploring how different sources of sensory information (i.e. auditory) can benefit movement performance.*

*"As a trainee, the Research Manitoba funding has allowed me to dedicate time and energy to my research throughout my degree. Being able to focus on my research has allowed me to explore other projects related to my primary thesis topic, deepening my understanding of human movement control. I was able to fully immerse myself in my thesis work, which motivated me to pursue a career in research."*

*Carrie is also motivated by her connections in the research community that are opening even more possibilities.*

*"The connections I have made have been instrumental in my applications for future academic study. And, based on the findings of my thesis, I have had the opportunity to travel to present my research at multiple conferences. Engaging with academics at these conferences facilitated a deeper understanding of my topic, and how it relates to other concepts in motor control and learning. These conversations have cultivated more questions, which I hope to address in future research."*



## MEET THE RESEARCHERS

### 2018 SOCIAL SCIENCES AND HUMANITIES MASTER'S STUDENTSHIP AWARD



**Name:** Ms. Dimple Bhojwani

**Program:** Master's Studentship

**Supervisor:** Dr. Shahin Shooshtari

**Department/Faculty/Institution:**

College of Rehabilitation Sciences, Rady Faculty of Health Sciences, University of Manitoba

**Project Title:** Examining Unmet Healthcare Needs by Immigration Status among Canadian Adults

### IN CONVERSATION

*Dimple Bhojwani's research is designed to support all Canadians in achieving equal access to health services, whether they are new immigrants, more established immigrants or non-immigrants; and to understand the impacts of people living with unmet healthcare needs.*

*"We know that newly landed immigrants are more likely to report unmet healthcare needs, so their health is better when they arrive and gradually deteriorates to align with the Canadian-born population; and we know that people with high unmet healthcare needs are eventually higher users of health services. So I am examining the relationship between living with unmet healthcare needs; people's use of health care services and their overall life satisfaction."*

*Research Manitoba funding enables Dimple to pursue her career as an independent health researcher and gain better opportunities during her PhD.*

*"This support has helped me in building connections within and beyond my field of research. Being an international student, this funding has played a keen role during my master's program by giving my passion for research a proper direction and simultaneously supporting me academically and financially."*

*Her research emphasizes establishing equitable access to healthcare in Canada by understanding the unmet healthcare needs of immigrants and non-immigrants and its impact on their life satisfaction.*

*As the data used is from a population health survey, the results are based on a large dataset and therefore are more representative of the Canadian population. This will help in better healthcare delivery, effective use of health services and a strengthened healthcare system.*

*"Building connections in the research community facilitates the access of research to groups that will most benefit. This funding allows me to expand my network of connections by gaining recognition in journal publications and conference presentations."*

*"Ultimately, this will fulfill my goal of enhancing the reach of this research to relevant audiences and create a meaningful impact in the society."*

# Research Manitoba's Impact Framework

Interest in the impacts of research is driven by public calls to action for accountability of research conducted with public funds. Research Manitoba defines research impact as the effect(s) that research has within and beyond academia. In general, research impacts take three forms:

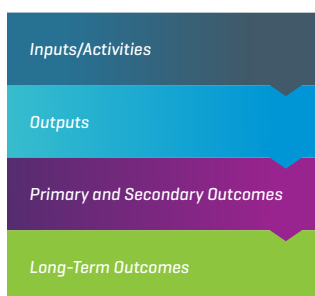
- > **Instrumental:** influencing awareness, thinking, perceptions, decision making that leads to the development of new or changes in policies, programs, services and products that creates economic, technological, environmental, and social/cultural benefits
- > **Conceptual:** influencing the creation or augmentation of knowledge
- > **Capacity:** improving the ability to conduct research through the enhancement of researchers' capabilities and the infrastructure required to conduct research.

Research Manitoba's framework captures these research impact(s) and:

- > Communicates the value of funded research to scholars, practitioners, government decision makers, and the public; and
- > Assists researchers to articulate the significance of their research and strategically align with the goals of other researchers or external organizations locally, nationally and/or internationally.

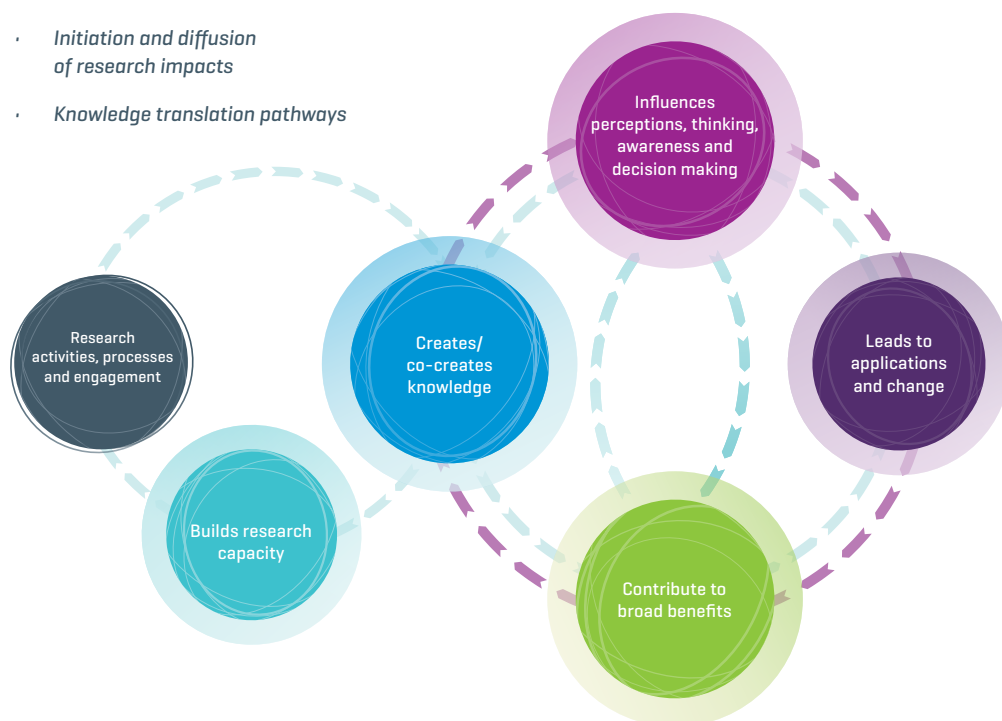
[HTTPS://RESEARCHMANITOBA.CA/IMPACTS/IMPACT-FRAMEWORK/](https://researchmanitoba.ca/impacts/impact-framework/)

## Impact measurement



IMPACTS FEEDBACK INTO FUTURE RESEARCH PROCESSES & ENGAGEMENT

- *Initiation and diffusion of research impacts*
- *Knowledge translation pathways*



# IMPACT FRAMEWORK

## IMPACT REPORTING

Research in Manitoba has created entire industries that are driving our local economy and it is improving our environmental impacts.

Research in Manitoba has saved countless lives and has improved health and social systems here and around the world.

Our impact report series is designed to capture these complex stories in compelling ways.



### RESOLVE

In the 1970s, violence against women was widely known, but not often discussed. The responses available by police officers attending a domestic dispute, and other societal supports for women and children were extremely limited.

But in Manitoba, a small and dedicated group of researchers started a series of longitudinal studies of the incidences of violence, and the responses and tools available to police, the courts, and the justice system.

Influenced by their ground-breaking work, our society began the long, slow process of change, a change that continues, expanding out to other groups, other communities and other jurisdictions, helping to move us all to a more peaceful and just society.



### RH DISEASE

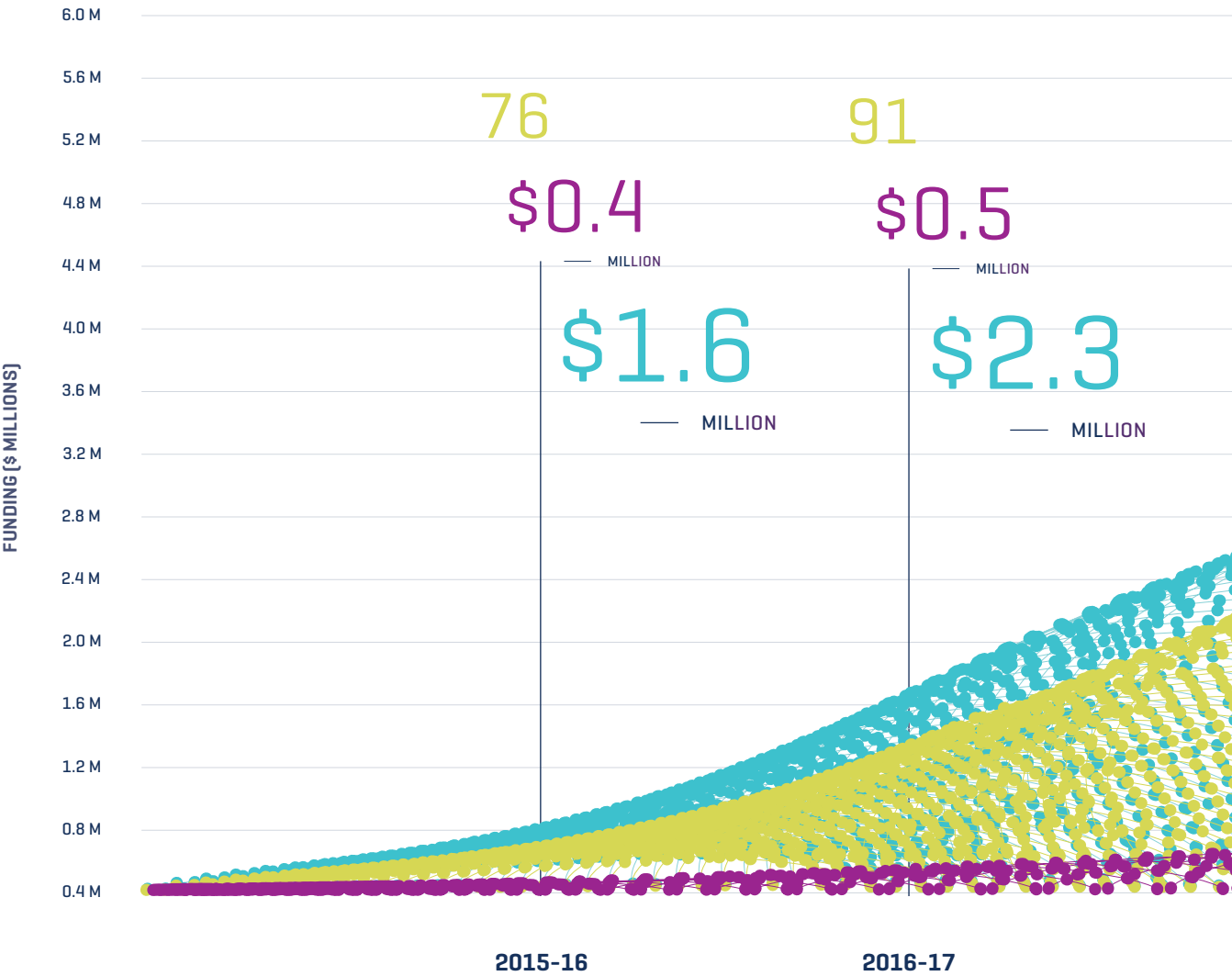
The bulk of their breakthroughs took place from 1940 to the 1960s, but the names of the researchers who worked to develop WinRho are legendary in Manitoba.

They saved the lives of hundreds of thousands of babies worldwide. They gave hope to families who were devastated by a condition that offered a healthy first-born child, followed by multiple miscarriages and still births.

In the process, they established the bio-tech industry in Manitoba that has improved the lives of millions, employed thousands, and put Manitoba on the national and international map - showing health, business, and industry leaders that world-leading, world-changing work can come from here.

# MITACS FUNDS

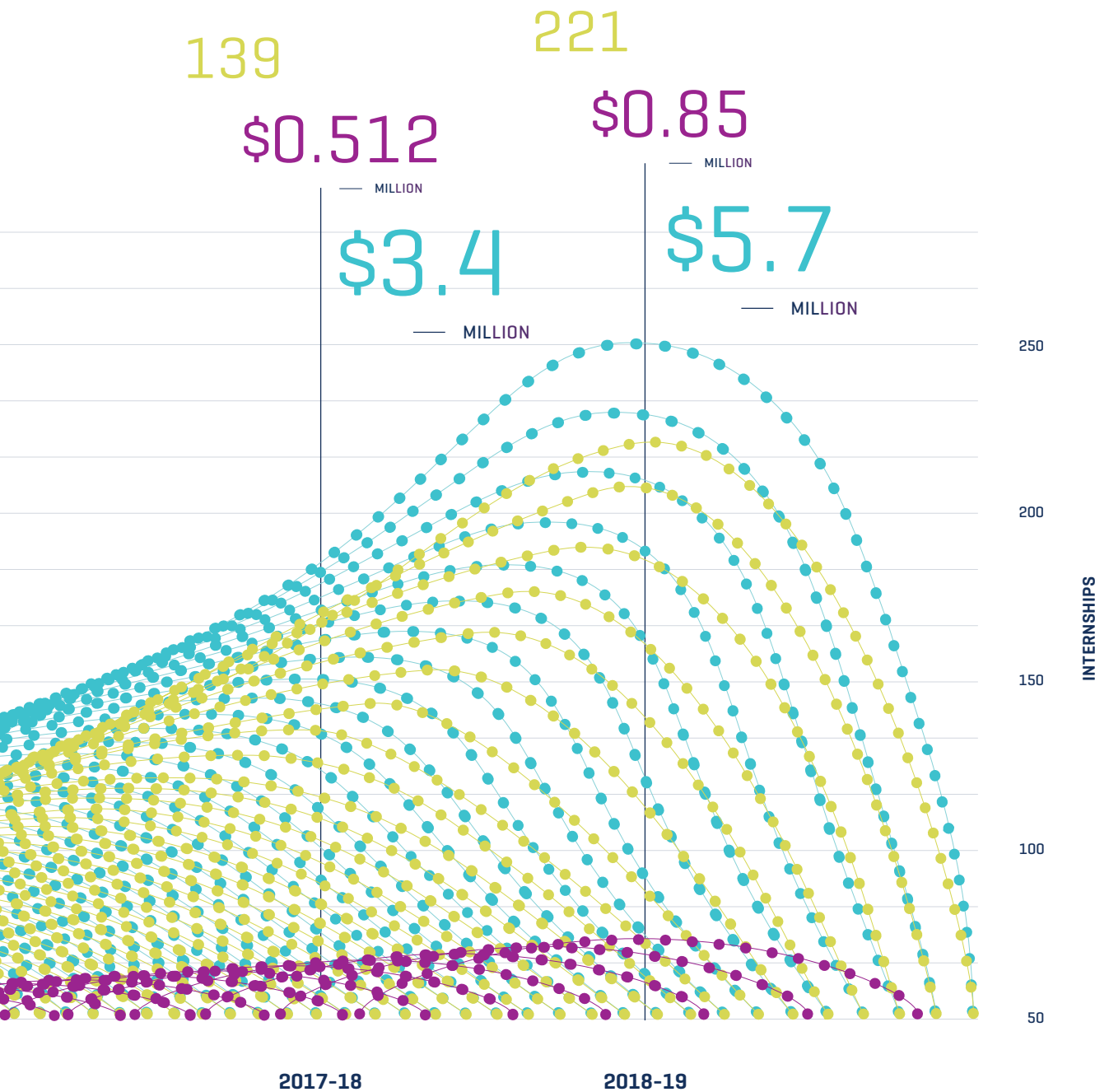
Research Manitoba is proud to partner with Mitacs to support the provincial economic growth and prosperity in Manitoba. We look forward to exploring new avenues to advance the province’s talent, innovative ideas, and networks in the future.

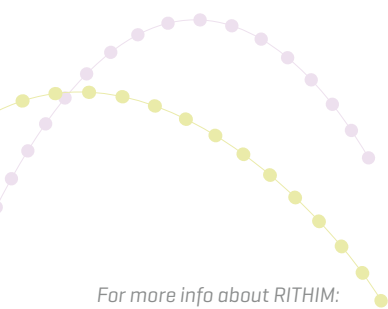


# OF INTERNSHIPS

RMB INVESTMENTS

FUNDS LEVERAGED





For more info about RITHIM:

Follow us on Twitter

**@Research\_MB**

Visit our website

**www.researchmanitoba.ca**

If you have any questions  
please email them to:

**RITHIM@researchmb.ca**

A full report of the RITHIM  
recommendations can be  
found on our website.



The Research Improvement Through Harmonization in Manitoba (RITHIM) initiative will enhance, coordinate, and harmonize the systems for ethics, privacy, and impact review related to health research. This provincial initiative will allow researchers to engage in the most efficient practice of patient-orientated research and in turn advance our national standing. This evolution of our administrative practices will maintain the highest levels of privacy protection and aim to establish the best mechanisms for increasing industry investment and partnership potential in Manitoba.

Since 2015 a Steering Committee and Working Group reviewed best practices and changes in other provinces and developed a list of recommendations to improve the efficiency and coordination of the system. In November 2017, the Ministers of Growth, Enterprise and Trade and Health, Seniors and Active Living approved the set of recommendations with an increased scope to include all relevant activities in Manitoba and agreed to propose the necessary changes to the Personal Health Information Act (PHIA).

The following are highlights of the government approved recommendations:

- > Establish a single amalgamated health research review committee, which encompasses ethics, impact, and privacy reviews of health research done at any relevant institution in Manitoba.
- > Designate an organizational delegate that facilitates the timely review of feasibility of data request and contract process at the approver's institution.
- > Invest in necessary infrastructure and operational resources to support the new review process including the establishment of an electronic, web accessible, research administration and information system, which will use a harmonized application form.
- > Enhance the system wide culture to undertake research through researcher training and support with navigation as well as the establishment of sustainable working groups to create bodies of knowledge and act as a forum for discussion around privacy and legal issues related to health research in Manitoba.

The implementation of the recommendations is well under way and is being led by the staff of Research Manitoba with the assistance of a Project Manager, a Change Management professional, an Advisory Committee, and the continuing direction of the Steering Committee. This group has focused on governance, operational planning, change management, and process. The RITHIM initiative continues to progress through the implementation phase.



Here are some 2018-19 updates pertaining to the four core RITHIM implementation areas:

## GOVERNANCE

- > We anticipate a launch of the new harmonized review board [CHIPER – Committee for Harmonized Health Impact, Privacy and Ethics Review] in Spring 2020.
- > The governance structure for RITHIM has been outlined, and Terms of Reference for a Provincial RITHIM Committee [PRC], and a harmonized review board [CHIPER] have been created. It is anticipated that the PRC will have their first meeting in Fall 2019. The PRC will be a subcommittee of the Research Manitoba board.
- > Two communities of practice — Impact and Privacy — have been established along with the Terms of Reference. These groups have representation from each stakeholder organization. The purpose of these committees is to create a community of practice, which will inform and support RITHIM activities and help create a common understanding of best practices across the province. These committees will support a culture shift around issues of privacy and impact that will ultimately enhance the research environment in Manitoba.

## PROCESS

- > Process Maps have been drafted for the new harmonized review process.
- > We are working with experts on the process for delegated review, particularly as it relates to privacy.
- > A working group for the development of a common application form has been established.

## OPERATIONS

- > A Request for Information for software to support RITHIM was posted in July 2018.
- > Vendor demos took place in October 2018.
- > We continue to work with all stakeholders, including the University of Manitoba, to ensure that the software meets the needs for efficiency, usability and harmonization.
- > Other requirements for operations are being identified as we move forward in the implementation phase.
- > An operational plan is in development.

## CHANGE MANAGEMENT

- > 35 stakeholder groups have been identified and consulted, and the list continues to grow.
- > The consultations build awareness, create open dialogue, and employ best practices in change management.
- > Follow-up meetings will continue throughout implementation to assist each organization develop a tailored change management approach for RITHIM.
- > We have engaged legal experts to assist in developing agreements with stakeholder organizations, and the RITHIM team will continue to support stakeholder organizations to make internal policy changes that will allow RITHIM to succeed.

# Review Process

Each year Research Manitoba employs a competitive peer/merit review process to evaluate and select research funding proposals for the Board's approval. The review process is undertaken by a committee of active experts with the appropriate background and knowledge of the application topics under review. Committee members review applications in advance of the committee meeting and then discuss, assess, and score the applications during an in-person meeting. Each committee is also chaired by a respected researcher from a relevant field and, in some cases, accompanied by a skilled Scientific Officer.

It would be impossible to conduct our Grants and Awards competition without the volunteer time received from our review committee members and we greatly acknowledge them in making our competitions run successfully.

## Number of committees

7

1. Basic Biomedical - New Investigator Operating Grant
2. Children's Hospital Research Institute of Manitoba (CHRM) and CancerCare Manitoba - Postdoctoral Fellowship Award
3. Natural Sciences & Engineering - New Investigator Operating Grant
4. Social Population Health - New Investigator Operating Grant
5. Social Population Health and Social Sciences & Humanities - Master's Studentship Award
6. Social Sciences & Humanities - New Investigator Operating Grant
7. Basic Biomedical and Natural Sciences & Engineering - Master's Studentship Award and CHRM and CancerCare Manitoba PhD Studentship Award

## Number of reviewers

57

### INSTITUTIONS INVOLVED:

- > University of Manitoba
- > University of Winnipeg
- > Brandon University

For more information or to see a list of our 2018/19 Review Committees please visit our website: [www.researchmanitoba.ca](http://www.researchmanitoba.ca).

# Wave Magazine

“WAVE” is Winnipeg’s health and wellness magazine; it is digitally published up to six times a year by the Winnipeg Health Regional Health Authority (WRHA). Research Manitoba works with the WAVE magazine staff to create stories, which feature a variety of prominent researchers, their teams, the environments that allow them to carry out their innovative work, and how their research touches our lives.

In 2018/19, we participated in two issues and created special reports on some of the outstanding work being carried out here in Manitoba.



## PICTURE THIS

A team of researchers at the University of Manitoba, led by professor Joe LaVetri, are working to create the world’s first microwave-based diagnostic imaging tool, a device that could revolutionize the way we detect and treat certain diseases, including breast cancer. The May/June 2018 issue features some of the projects taking place in Dr. LaVetri’s lab, which are in part supported by Research Manitoba (Province of Manitoba) and the CFI.

[wavemag.ca/2018/05/picture-this.php](http://wavemag.ca/2018/05/picture-this.php)



## DECODING DISEASE

U of W Researchers say endogenous retroviruses lurking in our DNA may hold the key to treatments for a range of neurodegenerative disorders. The November/December 2018 issue features Dr. Renée Douville and her team from the Department of Biology at The University of Winnipeg’s Richardson College for the Environment and Sciences. Dr. Douville received two grants from Research Manitoba (Establishment and Operating), as well as a grant from CFI.

[wavemag.ca/2018/11/decoding-disease.php](http://wavemag.ca/2018/11/decoding-disease.php)

# Manitoba: Home of World-Class Research

Our event “Manitoba: Home of World-Class Research” took place on Thursday, April 5, 2018 at the Legislative Building; Minister Blaine Pedersen brought opening remarks. The purpose of the event was to introduce members of the Provincial Government to the province’s research enterprise and to exhibit scientific excellence by showcasing some of Manitoba’s most innovative research projects.

The goals of this event were to enhance the understanding of research and to raise the awareness of our province’s research successes and the potential research has to improve Canadians’ lives as it represents significant social and economic benefits for Manitoba.

We had eight stations with researchers, students, and end-users with representation from the University of Manitoba, The University of Winnipeg, Brandon University, Red River College, Bioscience Association of Manitoba (BAM), Mitacs, and various industry partners.

The key research areas that were featured included:

- > Technology Access Centre for Aerospace & Manufacturing (TACAM)
- > Culinary research and innovation
- > Kidney transplant research and subclinical rejection research
- > Structural Innovation and Monitoring Technologies Resource Centre (SIMTReC)
- > Applied computer science
- > Breast cancer research
- > Cerebra Health, a digital health-tech company
- > Refugee research, counselling and education
- > Inflammatory bowel diseases (IBD) Crohn’s disease (CD), and ulcerative colitis (UC)



Event - Manitoba Home of World-Class Research



Mr. Len Isleifson, MLA of Brandon East, Ahmed Omar, Sharon Young, Dr. Heather Duncan, Dr. Mousumi Majumder – Brandon University



## MANITOBA: HOME OF WORLD CLASS RESEARCH



Honourable Blaine Pedersen Bringing Opening Remarks



Drs. Henry and Bidinosti with Northstar Robotics - UofW



SIMReC - Researchers and Board Members - UofM



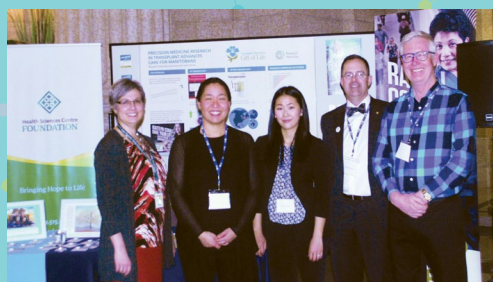
Technology Access Center for Aerospace & Manufacturing (TACAM) team - RRC



Dr. Jan Stewart and Colleague - Mitacs and UofW



Culinary Research and Innovation - Joel Lamoureux, Mavis McRae, Ray Hoemsen - RRC



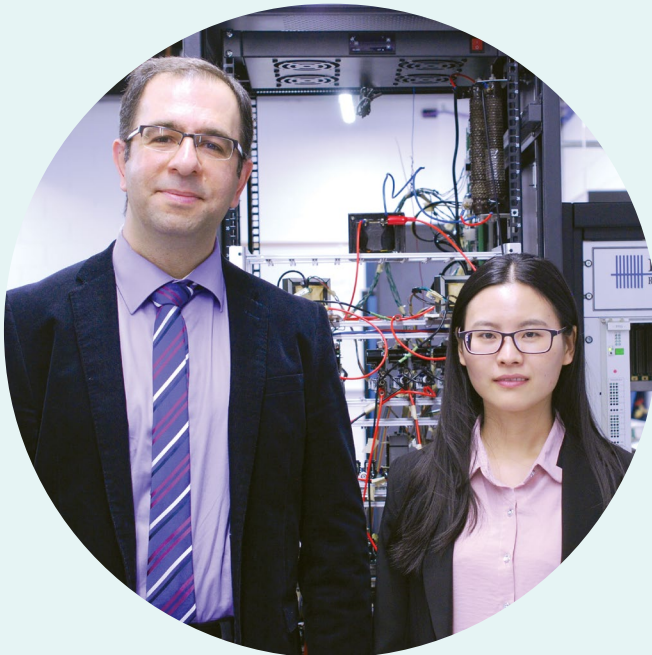
Transplant Manitoba - Kidney Transplant Research - Roberta Kosceilny, Dr. Juloie Ho, Nora Choi, Drs. Peter Nickerson and Kent HayGlass



Dr. Jean-Eric Ghia with Grace Saliga, Kunal Kapoor, and Drs. Nour Eissa (not in photo) and Laâtitia Kermarrec interacting with attendees - UofM and Mitacs

## COMMUNITY ENGAGEMENT

MAKING CONNECTIONS AND CREATING NEW PATHWAYS IS INTEGRAL TO BUILDING A STRONG RESEARCH COMMUNITY IN MANITOBA. ONE OF THE WAYS THAT RESEARCH MANITOBA DOES THIS IS BY CELEBRATING INNOVATION AND ENGAGING WITH OUR LOCAL, PROVINCIAL, AND NATIONAL PARTNERS AND STAKEHOLDERS.



Exploring the Research Enterprise for the Mitacs Impact Report with Professor Shaahin Filizadeh and the student Dr. Xianghua (Sherry) Shi  
*March 22, 2019*



Manitoba Women's Advisory Council - RMB Staff  
*March 8, 2019*



Manitoba Women's Advisory Council - Panel  
*March 8, 2019*



## COMMUNITY ENGAGEMENT



32nd Annual Teddy Bears' Picnic  
May 27, 2018



CABHI - What's Next Canada Conference  
March 20, 2019



Canada Research Chair [CRC] Announcement  
November 18, 2018



CFI-JELF Announcement  
March 14, 2019



Genome 360 Launch at Red River College  
March 21, 2019



Expedition Churchill - A Gateway to Arctic Research - Announcement  
Nov. 30, 2018



Science Rendezvous at the University of Manitoba  
May 12, 2018

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# 2018 - 2019 Financial Statements

# MANAGEMENT'S RESPONSIBILITY LETTER

For the year ended March 31, 2019

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The accompanying financial statements are the responsibility of the management of **RESEARCH MANITOBA** and have been prepared in accordance with Canadian public sector accounting standards. In management's opinion, the financial statements have been properly prepared within reasonable limits of materiality, incorporating management's best judgment regarding all necessary estimates, and all other data available to June 10, 2019.

Management maintains internal controls to properly safeguard the assets and to provide reasonable assurance that the books and records from which the financial statements are derived accurately reflect all transactions and that established policies and procedures are followed.

The responsibility of the external audit is to express an independent opinion on whether the financial statements of **RESEARCH MANITOBA** are fairly represented in accordance with Canadian public sector accounting standards. The Independent Auditor's Report outlines the scope of the audit examination and provides the audit opinion.

On behalf of Management,  
**RESEARCH MANITOBA**



Christina Weise, Chief Executive Officer  
June 10, 2019.

# INDEPENDENT AUDITOR'S REPORT

For the year ended March 31, 2019

To the Board of Directors of **RESEARCH MANITOBA**

## OPINION

We have audited the financial statements of **RESEARCH MANITOBA** (the "Organization") which comprise the statement of financial position as at March 31, 2019, and the statement of operations and fund balance, and statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

In our opinion, the financial statements present fairly, in all material respects, the financial position of the Organization as at March 31, 2019 and the results of its operations and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

## BASIS FOR OPINION

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section in our report. We are independent of the Organization in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

## RESPONSIBILITIES OF MANAGEMENT AND THOSE CHARGED WITH GOVERNANCE FOR THE FINANCIAL STATEMENTS

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Organization's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Organization or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Organization's financial reporting process.

## AUDITOR'S RESPONSIBILITIES FOR THE AUDIT OF FINANCIAL STATEMENTS

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but it is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

# INDEPENDENT AUDITOR'S REPORT

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgement and maintain professional skepticism throughout the audit. We also:

- > Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- > Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Organization's internal control.
- > Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- > Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Organization's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Organization to cease to continue as a going concern.
- > Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

*BDO Canada LLP*



Chartered Professional Accountants

Winnipeg, Manitoba  
June 10, 2019

# STATEMENT OF FINANCIAL POSITION

March 31	2019	2018
<b>Assets</b>		
<b>CURRENT ASSETS</b>		
Cash and bank	\$ 364,989	\$ 729,923
Short-term investment [Note 2]	1,376,346	2,746,336
Accounts receivable [Note 3]	33,295	112,973
Accrued interest receivable	14,038	15,033
Prepaid expenses	3,069	4,045
	<b>1,791,737</b>	<b>3,608,310</b>
<b>Capital assets [Note 4]</b>	<b>18,011</b>	<b>23,528</b>
	<b>\$ 1,809,748</b>	<b>\$ 3,631,838</b>
<b>Liabilities and Fund Balance</b>		
<b>CURRENT LIABILITIES</b>		
Accounts payable and accrued liabilities	\$ 117,700	\$ 235,013
Deferred revenue [Note 5]	1,367,969	1,969,656
Research grants payable	61,684	981,682
	<b>1,547,353</b>	<b>3,186,351</b>
<b>Commitments [Note 7]</b>		
<b>Fund balance</b>	<b>262,395</b>	<b>445,487</b>
	<b>\$ 1,809,748</b>	<b>\$ 3,631,838</b>

Approved on behalf of the Board:

  
 \_\_\_\_\_ Director  
  
 \_\_\_\_\_ Director

# STATEMENT OF OPERATIONS AND FUND BALANCE

For the year ended March 31

2019

2018

## REVENUE

Province of Manitoba		
Growth, Enterprise and Trade	\$ 12,113,000	\$ 15,316,898
Agriculture	14,300	-
Winnipeg Regional Health Authority	-	1,100,000
Other funding	1,038	10,042
Grants returned/rescinded	78,872	374,206
Investment income	55,164	57,393
	<b>12,262,374</b>	<b>16,860,539</b>
Add deferred revenue, beginning of year	<b>1,969,656</b>	<b>1,583,896</b>
Less deferred revenue, end the year	<b>1,367,969</b>	<b>1,969,656</b>
	<b>12,864,061</b>	<b>16,474,779</b>

## EXPENDITURES

Administration [Page 47]	946,731	1,404,929
Infrastructure grants - matching	5,323,908	4,314,108
Infrastructure grants	163,557	2,004,890
MS grants & awards	234,537	[311,513]
Operating grants - matching	2,078,456	2,599,969
Operating grants	2,835,530	3,415,734
Personnel awards	1,414,434	2,115,530
Personnel awards - matching	50,000	330,000
Platform grants	-	1,000,000
Research connections	-	140,000
	<b>13,047,153</b>	<b>17,013,647</b>
DEFICIENCY OF REVENUE OVER EXPENDITURES FOR THE YEAR	<b>(183,092)</b>	<b>[538,868]</b>

## FUND BALANCE, BEGINNING OF YEAR

445,487

984,355

## FUND BALANCE, END OF YEAR

\$

262,395

\$

445,487



# STATEMENT OF CASH FLOWS

For the year ended March 31	2019	2018
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Deficiency of revenue over expenditures for the year	\$ (183,092)	\$ [538,868]
Adjustments for		
Amortization of capital assets	5,517	7,396
	<b>(177,575)</b>	<b>[531,472]</b>
Changes in non-cash working capital balances		
Accounts receivable	79,678	[42,009]
Accrued interest receivable	995	[834]
Prepaid expenses	976	11,882
Accounts payable and accrued liabilities	(117,313)	102,260
Deferred revenue	(601,687)	385,760
Research grants payable	(919,998)	9,981
<b>DECREASE IN CASH AND CASH EQUIVALENTS DURING THE YEAR</b>	<b>(1,734,924)</b>	<b>[64,432]</b>
<b>CASH AND CASH EQUIVALENTS, BEGINNING OF YEAR</b>	<b>3,476,259</b>	<b>3,540,691</b>
<b>CASH AND CASH EQUIVALENTS, END OF YEAR</b>	<b>\$ 1,741,335</b>	<b>\$ 3,476,259</b>
<b>REPRESENTED BY</b>		
Cash and bank	\$ 364,989	\$ 729,923
Short-term investment	1,376,346	2,746,336
	<b>\$ 1,741,335</b>	<b>\$ 3,476,259</b>

# NOTES TO FINANCIAL STATEMENTS

For the year ended March 31, 2019

## 1. Nature of the Organization and Summary of Significant Accounting Policies

### NATURE OF THE ORGANIZATION

Research Manitoba was originally established by The Manitoba Health Research Council Act to promote and assist basic, clinical and applied research in the health sciences in Manitoba. It was continued under The Research Manitoba Act in 2014 to promote, support, and coordinate funding of, research in the health, natural and social sciences, engineering and the humanities in Manitoba. Research Manitoba is a registered charity and is exempt from tax under the Income Tax Act.

### BASIS OF ACCOUNTING

The financial statements have been prepared using the Canadian public sector accounting standards for not-for-profit organizations as established by the Public Sector Accounting Board.

### REVENUE RECOGNITION

The organization follows the deferral method of accounting for contributions. Grant revenue is reflected in income in the period in which the grant is received or becomes receivable and in accordance with the terms of the applicable funding agreements, where there are restrictions related to when the related expenditures are incurred as outlined below. Interest income is recognized as revenue when earned and is allocated to the General Fund.

The General Research Funds – General research grants are charged to expenditures in the year the funding is committed for, by the Board. Research grants returned to or rescinded by the organization are recorded as revenues when received or rescinded.

### CASH AND CASH EQUIVALENTS

For the purpose of the statement of cash flows, cash includes cash and bank, a short-term investment in a cash savings account that can be redeemed at the organization's request, and a bank overdraft.

### CAPITAL ASSETS

Capital assets are stated at cost less accumulated amortization. Amortization, based on the estimated useful life of the asset, is calculated as 20% per year for 5 years. Any changes to this policy will be Board approved. The amortization for purchases prior to this fiscal year will continue to be calculated as follows:

Office and computer equipment  
Computer equipment for review committees

20% diminishing balance basis  
33.3% diminishing balance basis

# NOTES TO FINANCIAL STATEMENTS

For the year ended March 31, 2019

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## 1. Nature of the Organization and Summary of Significant Accounting Policies (continued)

### FINANCIAL INSTRUMENTS

Financial instruments are recorded at fair value when acquired or issued. Cash has been designated to be in the fair value category. All other financial instruments are reported at cost or amortized cost less impairment, if applicable. Financial assets are tested for impairment when changes in circumstances indicate the asset could be impaired. Transaction costs on the acquisition, sale or issue of financial instruments are expensed for those items remeasured at fair value at each balance sheet date and charged to the financial instrument for those measured at amortized cost. Due to the nature of the financial instruments held by Research Manitoba, there are no unrealized gains or losses, and therefore a statement of remeasurement gains and losses is not required for these financial statements.

### GRANTS AND AWARDS

All grants and awards and their renewals are recorded as an expenditure in the year they are committed for.

### USE OF ESTIMATES

The preparation of financial statements in accordance with Canadian public sector accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from management's best estimates as additional information becomes available in the future.

# NOTES TO FINANCIAL STATEMENTS

For the year ended March 31, 2019

## 2. Short-term Investment

Steinbach Credit Union, charity regular savings account, 2.9% [2.25% in 2018], no maturity date and is reduced by the deficit in the chequing account.

	2019	2018
	<b>\$ 1,376,346</b>	\$ 2,746,336

The fair value of the short-term investment approximates the carrying value.

## 3. Accounts Receivable

CAP - Ag Action Manitoba  
University of Manitoba  
McGill University  
Goods and Services Tax receivable  
Winnipeg Regional Health Authority

	2019	2018
	<b>\$ 14,300</b>	\$ 38
	<b>988</b>	-
	<b>850</b>	-
	<b>17,157</b>	12,935
	-	100,000
	<b>\$ 33,295</b>	\$ 112,973

## 4. Capital Assets

	2019		2018	
	Cost	Accumulated Amortization	Cost	Accumulated Amortization
Office equipment	\$ 34,151	\$ 24,451	\$ 34,151	\$ 24,451
Computer equipment	<b>62,913</b>	<b>54,602</b>	62,913	49,085
	<b>\$ 97,064</b>	<b>\$ 79,053</b>	\$ 97,064	\$ 73,536
Net book value		<b>\$ 18,011</b>		\$ 23,528

For the year ended March 31, 2019

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## 5. Deferred Revenue

Deferred revenue of \$5,000,000, received from the Province of Manitoba, Department of Health at the end of March 2011, is intended to fund clinical research in Multiple Sclerosis patients. During 2018-19, \$278,844 of these funds were utilized to support the Canadian Multiple Sclerosis Monitoring System, and support the costs associated with a Research Nurse for the MESCAMS Trial. Early completion of the MS CCSVI clinical trial funded in partnership with the Canadian Institutes of Health Research resulted in \$44,307 being returned to Research Manitoba and added back into deferred revenue. The deferred revenue account has a cumulative total balance of \$1,077,777 and there are outstanding future commitments of \$1,045,764.

Revenue received from the WRHA in the amount of \$2,000,000 is intended to support research that will have an impact on the health of individuals, the health of populations and communities, decisions about government health policy, health system organization, and healthcare delivery. During the current year, \$367,150 of these funds was utilized [for a cumulative total of \$1,709,808] and the unexpended balance at March 31, 2019 is \$290,192. Future commitments of \$237,350 have been made to expend the balance of this deferred revenue.

The total deferred revenue for 2018-19 is \$1,367,969.

## 6. Pension Benefits

Employees of Research Manitoba are eligible for pension benefits in accordance with the provisions of the Civil Service Superannuation Act [CSSA], administered by the Civil Service Superannuation Board [CSSB]. The CSSA established a defined benefit plan to provide benefits to employees of the Manitoba Civil Service and to participating agencies of the Government, including Research Manitoba, through the Civil Service Superannuation Fund [CSSF]. Effective April 1, 2012, pursuant to an agreement with the Province of Manitoba, Research Manitoba transferred to the Province the pension liability for its employees.

Commencing April 1, 2012, Research Manitoba was required to pay to the Province the employees' current pension contributions. The plan is funded by the organization's employees at rates of 8.0% to 9.0% of the employees' salary. The organization is required to match at rates of 7.1% to 9.0% of the employees' salary. The amount contributed by Research Manitoba for 2019 was \$53,280 [\$62,568 in 2018] and the employees' share was \$57,629 [\$67,381 in 2018]. Under this agreement, the organization has no further pension liability.

For the year ended March 31, 2019

## 7. Commitments

### GRANTS

Research Manitoba has committed grants and awards under the General Research Fund, the Regional Partnership Fund, MS Fund and Strategy for Patient Oriented Research (SPOR) Fund as follows:

Year	General Research Fund	MS Fund	SPOR Fund	Matching Grants	Total
2020	\$ 3,695,487	\$ 185,094	\$ 925,635	\$ 1,496,338	\$ 6,302,554
2021	60,000	185,094	725,635	1,428,571	2,399,300
2022	60,000	100,000	-	1,428,571	1,588,571
2023	60,000	-	-	1,428,571	1,488,571
2024	60,000	-	-	1,428,571	1,488,571
Total	\$ 3,935,487	\$ 470,188	\$ 1,651,270	\$ 7,210,622	\$ 13,267,567

Commitments of future years of all the funds are not recorded as an expenditure in the year of commitment, they are recorded as an expenditure in the year they are committed for. These commitments will be funded as follows:

Current General Research Fund Balance	\$ 307,076
Deferred revenue	670,188
Future Province of Manitoba grants	12,290,303
	<u>\$ 13,267,567</u>

### PREMISES

The organization has entered into an agreement to lease its premises for \$76,920 annually until the agreement expires in August 2030.

## 8. Related Party Transactions

Research Manitoba is related to all Province of Manitoba departments and agencies. During the year, Research Manitoba had the following transactions with related organizations:

	2019	2018
Grant revenue	\$ 12,127,300	\$ 16,418,898

These transactions are in the normal course of operations and are measured at the exchange amount, which is the amount of consideration established and agreed to by the related parties.

# NOTES TO FINANCIAL STATEMENTS

For the year ended March 31, 2019

## 9. Economic Dependence

Research Manitoba relies almost entirely on grants from the Province of Manitoba.

## 10. Financial Instrument Risks

### GENERAL OBJECTIVES, POLICIES, AND PROCESSES

The Board of Directors has overall responsibility for the determination of the organization's risk management objectives and policies and, whilst retaining ultimate responsibility for them, it has delegated the authority for designing and operating processes that ensure effective implementation of the objectives and policies to the organization's Chief Executive Officer [CEO]. The Board of Directors receives quarterly reports from the organization's CEO through which it reviews the effectiveness of the processes put in place and the appropriateness of the objectives and policies it sets.

The organization's financial instruments are exposed to certain financial risks, including credit risk, interest rate risk and liquidity risk.

There have been no significant changes from the previous year in the exposure to risk, policies or procedures used to manage financial instrument risks.

### INTEREST RATE RISK

The organization is exposed to interest rate risk arising from the possibility that changes in interest rates will affect the cash flows related to its investments. The organization's objective is to minimize interest rate risk by locking in fixed rates on its investments when possible.

At March 31, 2019, a 1% move in interest rates, with all other variables held constant, could impact the interest revenue of the investments by \$13,763 [\$27,463 in 2018]. These changes would be recognized in the statement of operations.

### CREDIT RISK

The organization is exposed to credit risk through the possibility of non-collection of its accounts receivable. The majority of the organization's receivables are from government entities, which minimizes the risk of non-collection. The organization also makes sure it meets all the eligibility criteria for the amounts to ensure they will collect the amounts outstanding.

### LIQUIDITY RISK

Liquidity risk is the risk that the organization will not be able to meet its financial obligations as they fall due. The organization has a planning and budgeting process in place to help determine the funds required to support the organization's normal operating requirements on an ongoing basis. The organization ensures that there are sufficient funds to meet its short-term requirements, taking into account its anticipated cash flows from operations and its holdings of cash and cash equivalents.



## SCHEDULE OF ADMINISTRATIVE EXPENSES

For the year ended March 31

	2019	2018
Amortization of capital assets	\$ 5,517	\$ 7,396
Bank fees	151	521
Board and committee	1,405	2,467
Communications	55,616	57,368
Conference and transportation	20,809	25,680
Courier and postage	1,202	1,670
Insurance	4,571	3,979
IT/Telecommunications	57,198	54,588
Office space	76,991	105,718
Office supplies	20,429	9,675
Professional development and memberships	1,854	4,808
Professional fees	31,295	45,636
Reviewers	5,638	7,251
Salaries and benefits	664,055	1,078,172
	<b>\$ 946,731</b>	<b>\$ 1,404,929</b>

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