



Innovation, Science and
Economic Development Canada
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Innovation, Sciences et
Développement économique Canada

PROTECTED

EMAIL

Our File Notre référence
A-2020-00421 / GV

August 4, 2020

Dylan Robertson
501-150 Wellington St.
Ottawa, Ontario K1P5A4

Dear Dylan Robertson,

This is in reply to your request submitted under the *Access to Information Act* (the *Act*) for: “**MEETING WITH DAVID BARNARD - UNIVERSITY OF MANITOBA 2020-02-24 Ref # BN0004617 Organization: Innovation, Science and Economic Development Canada Sector: Science and Research Sector Addressee: Minister Action Required: For Information.**”

Enclosed is a copy of the records relevant to your request. Further to our assessment, it was determined that some of the information is withheld pursuant to sections 20 and 21 of the *Act* (see link for details <http://laws-lois.justice.gc.ca/eng/acts/A-1/>).

For your information, you are entitled to file a complaint with the Information Commissioner within sixty days from the receipt of this notice. The notice of complaint should be sent to: Office of the Information Commissioner, 30 Victoria St., Gatineau QC K1A 1H3.

Should you have any questions, please contact Gordini Valery at 343-291-4054 or by email at gordini.valery@canada.ca.

Sincerely,

On behalf of:
Christopher Parsons
Director, ATIP Services

Enclosures: 5 pages

Canada 

MINO-ISI Meeting with Dr. David Barnard, President and Vice-Chancellor, University of Manitoba

Meeting Objective: An introductory meeting to discuss the University of Manitoba's (UManitoba) research and innovation priorities, as well as Dr. Barnard's perspectives on post-secondary education.

Desired Outcome: To better understand the issues preoccupying one of Canada's most research-intensive universities.

Key Issues / Priority Discussion Items:

- Increased support for science and research;
- Support for Indigenous students; and,
- Research and innovation at UManitoba.

ISED Position: ISED views Canada's major research universities as important partners in advancing key government commitments, and benefits from mutual engagement to inform future policy directions.

Key Questions:

- How is the University of Manitoba strategically leveraging the suite of federal government programs to advance its research and innovation priorities?
- What have you found to be the most effective initiatives for improving the participation of traditionally underrepresented groups in research, particularly Indigenous peoples?

Biography:



Dr. David Barnard was appointed the President of UManitoba in July 2008. He will be succeeded by Dr. Michael Benarroch in June 2020. Dr. Barnard holds B.Sc., M.Sc. and Ph.D. degrees in Computer Science from the University of Toronto. He had previously served as the Chief Operating Officer of iQmetrix, an IT company, since 2005; and as the President of the University of Regina since 1998. Dr. Barnard has held a number of executive and advisory roles, including serving as the lead director on the Board of Directors at the Bank of Canada; Chair of the Canadian Network for the Advancement of Research, Industry and Education (CANARIE); and other executive positions at Universities Canada.

Organization Profile:

UManitoba is ranked 12th in research intensity among Canadian universities with \$212.3 million in sponsored research income (*Research Infosource, 2019*). It is a member of Universities Canada (UC) and the U15. A university Science and Technology Profile is provided in Annex A.

Key Issues:

Dr. Barnard will end his 12-year tenure as the President of UManitoba in June 2020. His office has indicated that he would like to share his experiences to date, and to highlight UManitoba's areas of research excellence. Historically, Dr. Barnard has advocated for increased investments in science and support for Indigenous students.

SECRET**Research and Innovation at UManitoba***Involvement in the Protein Industries Canada Supercluster*

UManitoba contributed to Protein Industries Canada's (PIC) initial supercluster application. It is currently involved in PIC's first announced project, led by Botaneco Inc., which aims to commercialize a new processing technology that will yield a variety of new oil and protein products.

Arctic System Science and Climate Change

UManitoba is hosting Dr. Dorte Dahl-Jensen, Canada Excellence Research Chair (CERC) in Arctic Ice, Freshwater Marine Coupling and Climate Change; as well as Dr. Julianne Stroeve, Canada 150 (C1510) Chair in Climate Sea Ice Coupling. It houses the Amundsen arctic research vessel, and the Sea-ice Environmental Research Facility (SERF), which focuses on the understanding of how sea-ice forms and melts.

Immunity, Inflammation and Infectious Disease

The CIHR Institute of Musculoskeletal Health and Arthritis and the National Microbiology Laboratory are located in Winnipeg. UManitoba has partnered with these federal research facilities in order to develop seven new treatments and vaccines for existing and emerging infectious diseases.

Population and Global Health

UManitoba houses the Centre for Global Public Health, which focuses on HIV prevention, and neonatal and child health, including the health of Indigenous populations. Four Canada Research Chairs (CRC) are dedicated researchers at the Centre.

Increased Support for Science and Research

Like the U15, UManitoba's pre-Budget 2020 proposal advocates for increased federal investments in "green" infrastructure and the Research Support Fund (RSF). Dr. Barnard, like other university presidents in provinces where provincial budgets are being constrained, may signal particular concern about the cost of meeting new federal program requirements (e.g., EDI) without additional operating support.

Support for Indigenous Students

UManitoba has over 2,400 Indigenous students, which constitutes one of the largest Indigenous student populations in the country. The university is also home to the National Centre for Truth and reconciliation (NCTR), which shares and preserves documents related to Indigenous residential schools. In its pre-Budget 2020 proposal, UManitoba recommends sustained financial support for the NCTR, as well as increased support towards Indigenous students' access to the university, including its scholarship program to support Indigenous graduate students and postdoctoral fellows.

The Canada Research Coordinating Committee's (CRCC) Strengthening Indigenous Research Capacity Strategic Plan (SIRC) was made public in January 2020.

POINTS TO REGISTER

Research and Innovation at UManitoba

- We appreciate the University of Manitoba's role in driving the Protein Industries Canada Supercluster. What has your University learned from this experience that can inform expansion of its research and innovation partnerships with industry?
- How is the University of Manitoba strategically leveraging the suite of federal government funding programs to advance its research and innovation priorities?

Increased Support for Science and Research

- Given your experience, what are your views on how the federal government can align its programs to better support the important research taking place at institutions like the University of Manitoba?

Support for Indigenous Students and EDI

- What have you found to be the most effective initiatives for improving the participation of traditionally underrepresented groups in research, particularly Indigenous peoples?
- Recommendations for direct financial support for Indigenous students relate closely to programs offered through Indigenous Services.

[RESPONSIVE ONLY – “GREEN” INFRASTRUCTURE]

- The Canada Foundation for Innovation continues to be a source of support for research infrastructure, including “green” projects.

[RESPONSIVE ONLY – RESEARCH SUPPORT FUND]

- In order to inform future funding and better demonstrate the impact of government initiatives, the Research Support Fund (RSF) requires all recipients of funding through the Incremental Projects Grants (IPG) stream of the Fund to provide clear evidence of results, demonstrate a long-term vision for multi-year projects, and report annually on projects' progress.

University of Manitoba Science & Technology Profile

Quick Facts

Location: Winnipeg, Manitoba

President & Vice-Chancellor:

Dr. David Barnard, appointed 2008, stepping down June 30, 2020; succeeded by Dr. Michael Benarroch, effective July 1, 2020

Vice-President, Research & International:

Dr. Digvir Jayas, appointed 2011

Research Intensity:

Ranked 12th by Research Infosource (2019) with \$212.3M in sponsored research income.

University Size:

- Undergraduate (Fall 2018)¹: 25,832
- Graduate (Fall 2018)¹: 3,761
- Full-time Faculty & Staff (2017–18)²: 1,131

Research Funding Overview:

- Granting agencies: average of \$41.0M / year since FY2014-15
- CFI: \$89.5M since CFI's inception in 1997
- PSI-SIF: \$32.1M

Financial Overview³:

- Total Income in FY2017–18: \$1.1B
- Total Expenditures in FY2017–18: \$881.4M

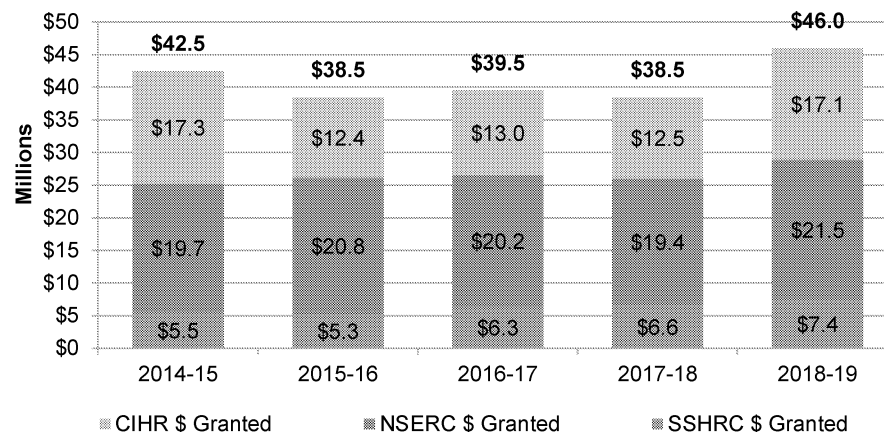
Memberships:

- U15
- Universities Canada

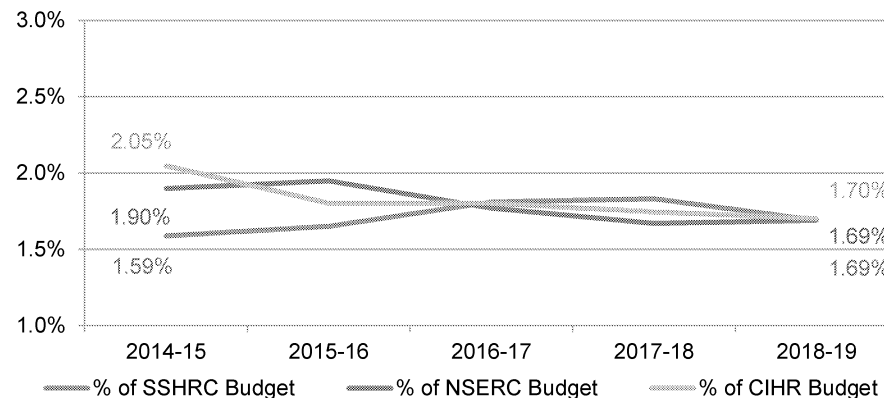
Deputy Minister University Champion:

Janine Sherman, Deputy Secretary to Cabinet, Privy Council Office

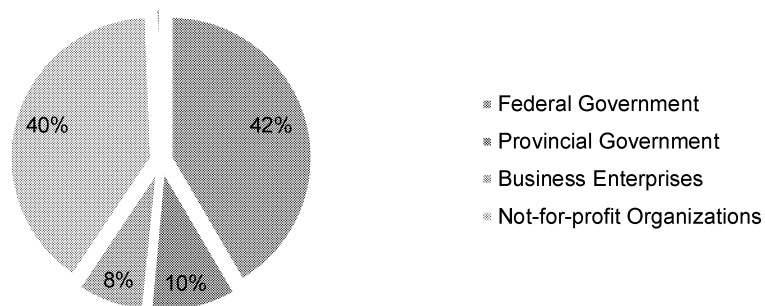
Total Granting Agency Funding, FY2014-15 to 2018-19



% of Granting Agency Budget, FY2014-15 to 2018-19



Sponsored Research Funding (% Per Source), FY2017-18



Notable S&T Developments

- Endorsed the *Dimensions: EDI Canada* charter.
- Member of the Protein Industries Canada (PIC) Supercluster.
- Opened the Smartpark Innovation Hub, an information exchange centre to support partnerships between industry, government and the university, in June 2019.
- Alumnus, acclaimed cosmologist Dr. James Peebles, won the 2019 Nobel Prize in Physics.
- Two high-tech interdisciplinary research projects focused on the future of patient care, featuring College of Rehabilitation Sciences faculty, received funding from the Collaborative Innovation Research Fund (CIRF).
- Appointed Dr. Catherine Cook, a new Vice-President, Indigenous, in October 2019 for an interim period to June 2022.

Core Research Strengths

- Arctic System Science & Climate Change
- Immunity, Inflammation & Infectious Disease
- Population & Global Health
- Performance Materials, Structures & Processes
- Human Rights & Social Justice
- Sustainable Systems for Resilient Communities

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Program	Federal Support (\$M)	Details
University Infrastructure		
Canada Foundation for Innovation (CFI)	\$89.5	287 projects since CFI's inception in 1997.
Post-Secondary Institutions Strategic Investment Fund (PSI-SIF)	\$32.1	<p>Engineering and Innovation Centre (\$12.1M) supports research in the areas of biomedical devices, energy systems, aerospace, and civil infrastructure.</p> <p>Smartpark Innovation Hub (\$20.0M) acts as an information exchange centre to support commercialization and facilitate university-industry collaborations.</p>
Flagship Federal Programs		
Research Support Fund (RSF)	\$9.95	In base funding for FY2018–19 and in Incremental Project Grants (IPG)
Canada Excellence Research Chairs (CERC)	\$10.0 over 7 years	Dr. Dorthe Dahl-Jensen, CERC in Arctic Ice, Freshwater Marine Coupling and Climate Change, awarded in 2019.
Canada 150 Research Chairs (C150)	\$7.0 over 7 years	Dr. Julianne Christine Stroeve, Chair in Climate Sea Ice Coupling (\$1.0M/year).
Canada Research Chairs (CRC)	\$7.3 (50 Chairs)	18 in natural sciences and engineering, 10 in social sciences, and 22 in health. 23 are Tier 1 and 27 are Tier 2.
		In the most recent target setting exercise, U of M surpassed its visible minorities equity target but did not meet its gender equity target. Data on other equity targets is not available.
New Frontiers in Research Fund (NFRF)	\$0.98	4 awards granted in the inaugural 2018 Exploration Stream for ECRs to conduct high-risk, high-reward and interdisciplinary research.
Major Science Initiatives		
U of M participates in Compute Canada, Canadian Research Icebreaker Amundsen, Canadian Research Data Centre Network, and Canada's National Design Network, which are funded in part by CFI.		

Commercialization

- U of M's Tech Transfer Office oversees an intellectual property estate of over 400 patents covering 300 university developed technologies.
- The university's Transformational Partnerships program supports collaborative R&D partnerships with Industry.
- According to the Association of University Technology Managers (AUTM), U of M had 10 new patent applications and 127 active licences in FY2017–18. U of M had \$1.5M in gross licencing income, ranking 14th among participating institutions.⁴

Notes

1. Universities Canada.
2. Statistics Canada, University-College Academic Staff System, 2017–18.
3. Canadian Association of University Business Officers, 2017–18.
4. In FY2017–18, 31 research institutions in Canada participated in the AUTM biennial Licensing Survey.