

University of Manitoba: Pre-Budget Submission 2019



RECOMMENDATIONS

- **Recommendation 1:** Invest in new scholarships to support Indigenous graduate students and postdoctoral fellows to build a cohort of Indigenous faculty.
- **Recommendation 2:** Increase direct student financial support for First Nations, Inuit and Métis learners; and enhance institutional programs that promote Indigenous student success throughout the post-secondary education continuum.
- **Recommendation 3:** Provide sustained financial support for the National Centre for Truth and Reconciliation to ensure continued reconciliation efforts with Canada's Indigenous Peoples by implementing the TRC's calls to action.
- **Recommendation 4:** Continue investments in the Research Support Fund to address the full cost of research.
- **Recommendation 5:** Invest to ensure that students have a work-integrated learning experience during their post-secondary studies, and expand federal work integrated learning programs across sectors and disciplines.
- **Recommendation 6:** Further invest in the Fundamental Science Review proposal to increase annual scholarship and fellowship funding for graduate students by \$140 million by 2022-23, with priority given to women, Indigenous Peoples, visible minorities and peoples with disabilities.
- **Recommendation 7:** Expand the Undergraduate Student Research Awards, as a means to increase the number of students pursuing graduate studies.
- **Recommendation 8:** Continue to invest in infrastructure to attract and retain talent that will drive discovery and the economy.
- **Recommendation 9:** Continue to dedicate specific funds to universities for infrastructure projects.

RESEARCH AND DEVELOPMENT

The University of Manitoba welcomed significant research investments in Budget 2018.

Continued and increased federal support for research and development, support for undergraduate research, support for indirect costs of research and support for work-integrated learning opportunities is critical. Increased and sustained research funding will enhance opportunities for early and mid-career researchers, and will advance efforts to improve gender equity and diversity in science.

Students and faculty at the University of Manitoba are using research to learn, train, contribute to the economy and to improve outcomes in numerous areas. Examples of research excellence include:

- Major global public health initiatives led by University of Manitoba researchers that are saving and improving lives in more than 20 countries. Initiatives in south Asia, Africa and Ukraine include programs to improve maternal, newborn and child health, studies on the epidemiology and evaluation of HIV prevention programs, and mathematical modeling to explain HIV transmission dynamics and impact of different interventions.
- Internationally renowned programs of research in Arctic science, climate change and its effects on sea ice. The Churchill Marine Observatory, currently under construction, will enhance research capacity in this area, while the Amundsen research vessel is a platform to conduct research in ice-covered waters.

Complementing research excellence, work-integrated learning opportunities further enhance the student experience, benefit industry and ultimately drive increased economic competitiveness. There are many examples of work-integrated learning at the University of Manitoba and we will continue to develop these opportunities. Expanding programs like the Student Work-Integrated Learning Program (SWILP) across sectors—both for-profit and non-profit—would provide more students and employers with an opportunity to access the benefits of a work integrated learning opportunity.

Undergraduate students who participate in research projects are more likely to pursue graduate studies than those who do not. Each year, the Natural Sciences and Engineering Research Council of Canada (NSERC) supports about 3,000 undergraduates in research activities through their Undergraduate Student Research Awards program, however the other funding councils do not have similar programs.

Graduate students at the University of Manitoba are contributing their own research discoveries to real-world problems. The Three Minute Thesis

Thanks to the 39 per cent federal support through the CFI, CMO will position Canada as a global leader of research into the detection, impacts and mitigation of oil spills in sea ice. Knowledge gained through CMO will strengthen Canada's technological capacity to protect the Arctic environment. Partnerships with Indigenous organizations will ensure knowledge exchange; the private sector will provide market-driven uptake of technology; and various levels of government will transfer knowledge into policy and regulation.

The University of Manitoba recommends:

- Continued investment in infrastructure to attract and retain talent that will drive discovery and the economy.
- Continued dedication of specific funds to universities for infrastructure projects.

CONCLUSION

Federal investment in post-secondary education, innovation and research drives economic competitiveness, provides opportunities for young people and addresses the most urgent issues of our time, like global population health, infectious disease, Arctic system science, food security, and climate change. Only through investments in post-secondary education do we have the potential to solve these critical challenges while simultaneously training the workforce of the future and shaping the economy. There can be no better investment in Canada's future.

We thank the Committee for its consideration.