

BOARD OF GOVERNORS

Tuesday, April 20, 2021

4:00 p.m.

The material contained in this document is the agenda for the next meeting of the Board of Governors.

OPEN SESSION

Please email regrets to shelley.foster@umanitoba.ca no later than 9:00 a.m. the day of the meeting.

OFFICE OF THE UNIVERSITY SECRETARY



**University
of Manitoba**

BOARD OF GOVERNORS OPEN SESSION

Tuesday, April 20, 2021 at 4:00 p.m.

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AGENDA

	<u>Presenter</u>	<u>Page</u>	<u>Est. Time</u>
1. ANNOUNCEMENTS	Chair		4:00 p.m.

FOR ACTION

2. APPROVAL OF THE AGENDA	Chair	2	4:00 p.m.
3. MINUTES (Open Session)			
3.1 Approval of the Minutes of the March 23, 2021 OPEN Session, as circulated or amended	Chair	3	4:00 p.m.
3.2 Business Arising - none	Chair		
4. PRESENTATION The Faculty of Science: Status, Initiatives and Future Directions Stefi Baum, Dean	Chair	20	4:05 p.m.

5. UNANIMOUS CONSENT AGENDA	Chair		4:35 p.m.
<i>If any member of the Board wants to ask a question, discuss or oppose an item that is marked for the consent agenda, the member can have an item removed from the consent agenda by contacting the Secretary of the Board prior to the meeting or by asking that it be removed before the Chair calls for a mover and seconder for the motion to approve or receive, by unanimous consent, the items listed.</i>			

5.1 <u>Consent Items from Senate (for approval)</u>			
5.1.1 Report of the Senate Committee on Awards [February 25, 2021]	President	64	(consent)
5.1.2 Proposal to Change the Name of the Department of Geological Sciences, Clayton H. Riddell Faculty of Environment, Earth, and Resources	President	77	(consent)

6. NEW BUSINESS			
6.1 Report from the President	President	85	4:40 p.m.

FOR DISCUSSION

7. FROM SENATE			
7.1 Request to Extend Suspension of Admissions to Bachelor of Science (Major) and Bachelor of Science (Honours) in Biotechnology, Faculty of Science	President	93	4:45 p.m.
7.2 Request to Extend Suspension of Admissions to Bachelor of Science in Pharmacy (B.Sc.Pharm.)	President	106	4:45 p.m.

MOTION TO MOVE TO CLOSED AND CONFIDENTIAL SESSION



**Minutes of the OPEN Session of the
Board of Governors
Held by Web Conference on March 23, 2021 at 4:00 p.m.**

Present: J. Lieberman, Chair
J. Leclerc, Secretary

J. Anderson	C. Andrusiak	D. Archer	M. Benarroch	J. Dela Cruz
J. DeSouza-Huletey	L. Hyde	K. Lee	C. Loewen	L. Magnus
A. Mahon	T. Matthews	C. Onyebuchi	K. Osiowy	S. Prentice
L. Reimer	K. Smith	J. Taylor		

Regrets: N. Murdock S. Sekander

Assessors: J. Morrill S. Woloschuk

<u>Officials:</u>	N. Andrew	S. Foster	D. Hiebert-Murphy	D. Jayas
	J. Kearsey	T. Mondor	J. Ristock	D. Smith
	M. Walc			

Guests: S. Hopkins C. Limon

ANNOUNCEMENTS

The Chair thanked Board members for attending the Budget Primer session held the previous week. He said he thought the session was really well done and very helpful to Board members. He said the presentation slides are available on the Sharepoint site for those interested. On behalf of the Board he thanked Naomi Andrew, Gord Pasieka, and Mark Walc for putting the presentation together on relatively short notice.

With respect to the Board Retreat session, the Chair thanked everyone for completing the Doodle poll and confirmed the session was scheduled for Tuesday, May 11, 2021 from 1:00 to 5:00 p.m. via Zoom. He added that it would be a facilitated and interactive session with a focus on becoming more strategic as a Board. He asked that all Board members make every effort to participate.

On behalf of the Board, the Chair congratulated Stephanie Scott, newly appointed Executive Director of the National Centre for Truth and Reconciliation (NCTR). He noted that the announcement sent by Catherine Cook mentioned that Ms. Scott would like to meet with the

Board to discuss plans for the Centre's future. He said he had written to congratulate her and they have agreed to find a suitable date for her to attend a Board meeting.

The Chair said it was heartbreaking to hear of the three young international students from Bangladesh: Numan Aditta, Aranoor Azad Chowdhury, and Risul Badhon, who tragically lost their lives in a car accident in February. He said he had attended a virtual community vigil held in their honour and he offered condolences on behalf of the Board to the students' friends and family and to the Bangladeshi community for this terrible loss.

The Chair noted that with March 21 to 27 being declared by the City of Winnipeg as Anti-Racism week, President Benarroch sent out a message on becoming an anti-racist community. He said the University must commit to a close examination of its past, present, and future actions to ensure continued effort toward dismantling racism in all forms. In his message, the President said he was "honoured to be part of a community of leaders who demonstrate a sincere commitment to this effort – and I look forward to the progress we will make together going forward." The Chair thanked President Benarroch for this message and assured him that he has the full support of the Board of Governors in these efforts.

Lastly, the Chair advised that the annual election for a Board of Governors Alumni representative begins on April 14, 2021 and voting ends on May 14, 2021. He stated that Carla Loewen will be running as the incumbent following three outstanding years on the Board. The Chair said that detailed information would be sent to Board members when available and encouraged all members who are alumni of the University to vote.

1. **APPROVAL OF THE AGENDA**

It was moved by Ms. Hyde and seconded by Ms. Magnus:

THAT the agenda for the March 23, 2021 meeting be approved as circulated.

CARRIED

2. **PRESENTATION**

2.1 Final Report: President's Task Force on Equity, Diversity, and Inclusion

Dr. Benarroch noted that this initiative began under by Dr. Barnard and the result is a comprehensive report that lays out a path for the University to move forward. He thanked Dr. Hiebert-Murphy for her leadership and for agreeing to present this report to the Board. He noted this report was also presented to Senate and the deans prior to this meeting.

Greater detail can be found in the full report which was included with the meeting materials, and in the presentation slides, which are appended to the minutes.

Dr. Hiebert-Murphy, Vice-Provost (Academic Affairs) presented the report of the President's

Task Force on Equity, Diversity, and Inclusion. She noted that she is presenting the report on behalf of a very large, diverse, and very active Committee whose work resulted in the following eight recommendations:

Recommendation 1: Leadership

Create an administrative structure for advancing EDI that includes a senior EDI lead to oversee EDI across the institution as well as a network of leaders working at the unit level to engage the entire UM community in working towards change.

Recommendation 2: Planning and Policy

Ensure that advancing EDI is a key element of the University's strategic plan, is integrated into academic and administrative/support units' plans, and is supported by the policies and guidelines governing the University.

Recommendation 3: Monitoring, Measuring Progress, and Accountability

Develop plans, processes, and supports for evaluating and reporting progress on EDI goals to ensure accountability and to inform future action.

Recommendation 4: Increasing Diversity and Equity Across UM

Develop unit-level plans for increasing the diversity of students, staff, and faculty that include initiatives that address equity.

Recommendation 5: Accessibility

Ensure central planning and support for increasing accessibility at UM.

Recommendation 6: Building Awareness and Support for EDI

Develop and implement a plan for increasing awareness and support for EDI among all UM community members.

Recommendation 7: Addressing EDI in Academic Programs, Teaching, and Research

Encourage, support, and monitor the integration of EDI within academic programs and enhance the knowledge and skills of academic staff to address EDI in their teaching and research.

Recommendation 8: Promoting Inclusion and Safety

Develop and implement a plan for promoting a greater sense of inclusion and safety at UM that involves both university-wide and unit-specific activities that encourage engagement and participation of all students, staff, and faculty; that foster greater understanding, acceptance, and mutual respect among community members; and that celebrate diversity.

The Chair thanked Dr. Hiebert-Murphy for the report and the presentation and invited comments and questions from the Board.

Members of the Board thanked Dr. Hiebert-Murphy and the members of the Task Force for their excellent work.

A Board member asked whether there are any specific indicators to measure the University's progress in this area and hold units accountable. Dr. Hiebert-Murphy said this was discussed at task force meetings. She said the amount of diversity on campus is an important measure, and ways to achieve that were identified. She noted that the University needs to align student data with the data being collected from faculty and staff. She added that feedback on the changes made to improve the sense of belong and inclusion that members of the University community feel. She added that individual units will need to identify reasonable outcomes based on their goals. Lastly, she said, evaluation is important and should be built into the plans, so there will be support for evaluation processes centrally.

One Board member asked about hesitance to self-declare and whether that is prevalent at the University. They suggested asking new people to self-declare a little farther into their roles at the University because asking at the outset may dampen self-disclosure. Dr. Hiebert-Murphy said the comments are consistent with best practice. She added that people also need to be told why they are being asked for self-disclosure.

One Board member said this report made them realize that EDI needs to be a priority for the Board of Governors. They said the Board must find better ways to learn and gain a better understanding of EDI so that it can be front and center in its work. Dr. Hiebert-Murphy agreed, and said the comment is consistent with the view of the task force. She said she would bring the Board's comments back to the task for discussion.

The Chair thanked Dr. Hiebert-Murphy for the presentation.

FOR ACTION

3. MINUTES (Open) Session

3.1 Approval of the Minutes of the March 23, 2021 Open Session as circulated or amended

It was moved by Dr. Reimer and seconded by Ms. Loewen:

THAT the minutes of the March 23, 2021 Open session be approved as circulated.

CARRIED

3.2 Business Arising

3.2.1 Winter Term Enrolment Report

Dr. Ristock recalled that there were questions at the last board meeting about winter term enrolment numbers as compared to previous years. She stated that there was an increase in part time and full-time students, and there were more credit hours taken. She noted that while international student enrolment increased there was a decrease in enrolment of new students. She said the decrease in new students is not really understood, so it would be monitored closed. Additionally, Dr. Ristock noted that preparatory courses will be added for new students coming from high school.

In response to a question, Dr. Ristock said that these trends seem to be similar in other universities, except for the increase in international students as most other universities have experienced the opposite.

Dr. Ristock responded to a question about the expectations for new student enrolment in the fall. She said that there is already some increase being seen in admission applications. She added that supports such as preparatory classes and boot camps will be added for the fall to address potentially higher enrolment in new students.

One Board member commented that phased reopening is more complex than just offering remote classes as consideration must be given to how to accommodate people who are studying abroad or in different time zones, or who are in places where internet access is unreliable for various reasons. Dr. Ristock said this is a frequent topic in meeting discussions, especially at the faculty level.

Regarding international students being spread out globally, Ms. Smith reported that UMSU had proposed that all exams be offered in two sittings to consider time zone differences. Dr. Ristock thanked her for her comments.

In response to a question, Dr. Jayas noted that many international students admitted last year will continue in the spring term any many are still arriving. He noted that 80 percent of international students come to the University to study and 20 percent are studying remotely.

5. UNANIMOUS CONSENT AGENDA

It was moved by Dr. Anderson and seconded by Dr. Prentice:

THAT the Board of Governors approve and or receive for information the following:

THAT the Board of Governors approve eight new offers, three amended offers, and the withdrawal of one offer, as set out in Appendix A of the Report of the Senate Committee on Awards [dated December 15, 2020].

THAT the Board of Governors approve five new offers and four amended offers, as set out in Appendix A of the Report of the Senate Committee on Awards [dated January 14, 2021].

THAT the Board of Governors approve the closure of the Integrated Bachelor of Music / Bachelor of Education degree, effective upon approval [as recommended by Senate, February 3, 2021].

THAT the Board of Governors approve the establishment of a Professorship in Lab-on-Chip Technology [as recommended by Senate, March 3, 2021].

THAT the Board of Governors approve a proposal for a Bachelor of Arts (Honours) in Linguistics [as recommended by Senate, March 3, 2021].

THAT the Board of Governors approve the amendments to the University of Manitoba GFT Pension Plan (1986) (1986 Plan) Governance Document.

The Board of Governors received for information the following:

- Annual Report of the University Discipline Committee (September 1, 2019 to August 31, 2020)
- Undergraduate Admission Targets, Fall 2021

CARRIED

5. FROM FINANCE, ADMINISTRATION, & HUMAN RESOURCES

5.1 2021-2022 Proposed Tuition and Course Fees

Ms. Lee introduced this submission, noting that the Finance, Administration, and Human Resources Committee considered it at its March 9, 2021 meeting and recommends it to the Board for approval.

Dr. Ristock said the submission proposes an undergraduate domestic tuition increase under a variable tuition framework, with an average increase not exceeding 3.75 percent. She noted that some programs would be subject to a one percent increase, some to a 3.75 percent increase, with some others a 5 percent increase. She said most graduate domestic tuition, continuing fees, and University-wide fees would also increase 3.75 percent, except for lab fees and tuition for the MBA and Master of Finance programs which would remain unchanged.

Dr. Ristock acknowledged that these increases may present difficulties for some students and noted that the budget proposes a strategic allocation for bursaries and other supports for students to help address those difficulties. She added that the University's undergraduate tuition fees remain low compared to other institutions in western Canada and the U15. She added that the University's graduate level tuition is much lower even than the University of Winnipeg's tuition; and even with the proposed increase will remain lower than other institutions. Dr. Ristock

noted that the proposed increase would result in \$14.9 million in additional revenue for the University.

Dr. Ristock invited Dr. Todd Mondor to speak to the proposed increases.

Dr. Mondor explained that enrolment levels are expected to be similar to the pre-COVID levels in 2019/2020. He noted that the provincial operating grant for 2021/2022 has been reduced by 1.75 percent, equivalent to a \$5.9 million budget reduction. He noted that this follows budget reductions totaling \$10 million over the past three years, which makes it clear that, going forward, operating grants will be uncertain. He explained that tuition and fee increases are necessary to provide appropriate student programming and to support a sustainable future for the University.

Dr. Mondor said that provincial legislation requires Manitoba universities to charge the lowest average tuition of the western provinces. He added that a detailed comparative analysis with other western provinces indicated that a large tuition fee discrepancy exists for some programs but not for others. By way of example, Dr. Mondor noted that tuition fees in the Max Rady College of Medicine are 45 percent lower than the next lowest western Canadian university. He added that the Faculty of Arts and the Faculty of Education's tuition fees are 29 percent lower than the next lowest university in western Canada. He said the Pharmacy program and the Medical Rehabilitation program tuition fees are in fairly good alignment with other western Canadian universities. Dr. Mondor explained that the programs where tuition fees lag other western Canadian Universities will see a 5.0 percent increase in tuition and fees, those programs in better alignment will see a one percent increase, and the remaining programs will see a 3.75 percent increase. He said that the result will be an average increase below the 3.75 percent maximum increase set out by the provincial government.

Members of the Board commented that it is unfortunate the University is forced to raise tuition and fees for students.

In response to a question, Dr. Mondor said the reason for the decision not to propose tuition increases for the Master of Business Administration and Master of Finance programs because those fees are already very high compared to other programs at the University. He added that it was felt that increased tuition would negatively impact enrolment, particularly because the current fees are aligned with tuition in these programs across the country.

Dr. Mondor noted that some programs' tuition will increase despite having higher fees than others at the University, for example, dental hygiene, medicine, and pharmacy, because, unlike the master's programs in the Asper School of Business, those programs are compared to others in western Canada, not across the country.

Dr. Mondor agreed that raising tuition and fees is unfortunate, however; because other western Canadian universities are also increasing tuition, the University of Manitoba increase will still leave the University's tuition below other provinces,' a gap that will continue to grow.

A question was raised about the percentage of students who receive some type of financial assistance. Dr. Mondor did not have that figure at hand, though he did note that graduate students receive an amount in support that is equivalent to their tuition fees.

Student Board members expressed appreciation for the support and care for students demonstrated by the Board. The students recognized that increases are not what the University wants and noted that UMSU's communications efforts have been focused on noting that the responsibility for this position lies with the provincial government.

Mr. Kearsey stated that the University provided \$30 million in scholarships and awards to students last year. Dr. Benarroch added that the Province also came forward with some student support funding. He noted that when presenting the budget to student groups, he was asked to provide more student supports, and that funding was added to the budget. Unfortunately, he said, under the previous government, tuition was frozen for twelve years, and under the current provincial government, the University can increase tuition to a point but is receiving less funding.

It was moved by Ms. DeSouza-Huletey and seconded by Ms. Lee:

That the Board of Governors approve increases for tuition fees and university-wide fees for 2021/22 Academic Year as follows:

- **Undergraduate domestic tuition rates increase using a variable tuition framework, with an average increase not exceeding 3.75%.**
- **Graduate domestic tuition and continuing fee rates increase 3.75%, with the exception of no increase for the MBA and Master of Finance programs.**
- **International tuition differential rates increase consistent with domestic rates.**
- **That university-wide fees increase 3.75%.**
- **That lab fees remain flat consistent with the four categories approved in 2020/21: \$35, \$60, \$85, and variable (approved on a course-by-course basis).**

CARRIED

Ms. Dela Cruz and Ms. Smith were opposed to the motion.

5.2 2021-2022 Budget

President Benarroch stated that this is his first budget as President of the University, and he has been watching its development with interest. He said he looks forward to engaging with the various stakeholder groups as the University looks to the future.

Dr. Benarroch said the continued impact of the pandemic has and will continue to make the planning and budgeting process more challenging. He noted that the consolidated budget is normally presented to the Board of Governors in May of each year after receiving the provincial funding letter in late March or early April; however, this year the Province provided the

University with its annual funding letter for the 2021/2022 fiscal year in late January. He said this has enabled presentation of the budget earlier in the year.

Dr. Benarroch noted that the provincial funding letter confirmed:

- a \$5.9 million or 1.75% decrease in the University's operating grant;
- a new capital grant of \$4.2 million for deferred maintenance;
- no change to the ACCESS, major capital and equipment and renovation grants; and
- continuation of an annual \$250,000 contribution to the Institute of Leadership Development.

President Benarroch explained that the proposed budget balances the uncertainty resulting from COVID and other factors, with a desire to protect academic units. He said the University must keep the student experience strong and by making cuts to academic units or to student-serving units, it is students who will be affected. He noted that he wants to do everything possible to mitigate the reduction in provincial funding and not add to the pressure on faculty and staff. He noted two factors working in the University's favour this year; (1) enrolment has remained strong, and (2) the University's financial management in the periods leading up to the pandemic left the University in a strong financial position.

President Benarroch said the University has developed a balanced budget which incorporates reductions and tuition increases. He acknowledged that tuition increases are not ideal; however, without them, the University would be faced with making significant cuts in spending. He added that most of the cuts made were not to faculty budgets; rather, to other parts of the University's operations. He noted that these cuts to base funding will carry forward to future years.

Dr. Ristock stated that the budget was developed in a context of continued change and uncertainty due to the impact of the COVID-19 virus. She said the uncertainty for 2021/22 is mitigated in part by the University's success in the transition to remote teaching and learning over the past year and increased enrolments and reallocation of financial resources toward incremental costs associated with the pandemic.

Dr. Ristock noted that the direction given by the Province in summer 2020 was to plan within the following parameters:

- Provincial operating grant unchanged from 2020/21;
- Tuition fee increase of 3.75%; and
- Enrolment 2% lower than fall and winter of 2019/20.

She noted that units developed their budgets based on these parameters and on direction that plans and budgets should reflect efforts to identify cost efficiencies but could include reasonable increases for annual salary increments and inflationary impacts on non-compensation expenses. Dr. Ristock noted that the Fall 2020 and Winter 2021 term enrolment showed strong growth, causing the University to update the enrolment parameters to a conservative but less pessimistic assumption that enrolment levels would return to those experience prior to COVID in

2019/20. She added that with collective agreements open for bargaining this year, budgets reflect potential increases in salaries.

Dr. Ristock summarized other assumptions made in developing the budget:

- Costs in Information Technology (IT) and online learning supports were higher than expected and it is expected that will continue. The budget includes an increase for IT costs.
- Travel and research budgets were impacted significantly as travel was very limited over the year. This too is expected to continue, and units have reallocated their travel budgets to support other costs for 2021/22.
- Ancillary operations and other income-funded activities were significantly reduced this year. The budget reflects an assumption that this will continue; therefore, revenues and expenses have decreased.

Dr. Ristock said that the 2020/21 budget had been difficult due to the reduced operating grant; however, the stable enrolment numbers allow the University to manage well in the face of the current year's operating grant reduction.

Dr. Ristock reviewed the process used in the development of the budget, which was detailed in the Board submission. She noted that the process was condensed this year in light of the early funding letter from the Province, which allowed presentation of the budget in March instead of May. She added that this earlier timeline also enables the Executive, Deans, Directors, and other managers to act on their plans more confidently as the new fiscal year begins.

Dr. Ristock said the reduction in funding of \$5.9 million means additional revenue is needed to maintain the services and programs currently offered by the University. To achieve this, she explained, a 7.6 percent increase in revenue from tuition and fees is needed. She said this number reflects higher enrolment and an average tuition and fee increase of 3.75 percent.

Mr. Walc, Acting Executive Director of Financial Planning and Budgeting, provided a detailed review of the proposed budget, noting that this is the University's second budget under full Public Sector Accounting Standards (PSAS). He explained that the transition to PSAS was the result of a provincial direction to post-secondary institutions and other government reporting entities (GRE's) to adopt the same accounting standards used by government.

He explained that the planning and development process focuses on returning a balanced operating budget, which is a subset of the consolidated 'all funds' budget, accounting for 71 percent of the revenue in the consolidated budget. The other main components of the consolidated budget are research, special funds, trust, and capital funds. In relation to the consolidated budget, Mr. Walc highlighted the following:

- Consolidated revenues are projected to total over \$924 million for 2021/22 or about \$20 million more than the previous year. This includes the \$14.9 million in additional tuition and course revenue just considered by the Board.
- Other material changes in revenue include anticipated increases of \$18.5 million in federal and other government grants, primarily in the research and special funds.
- These revenue increases are partially offset by the 1.75 percent provincial grant reduction and expected decreases of \$8.2 million in ancillary revenues and \$10.8 million in sales of goods and services related to recreational activities in the Faculty of Kinesiology and Recreation Management and the Dental Clinics, among others.
- Overall Consolidated expenses are projected to decrease by \$5.5 million as compared to the 2020/21 budget.
- A \$4.1 million increase in instruction reflects increased investment in faculties and schools, primarily to support salary obligations from the collective agreements
- A \$5.1 million decrease in sponsored research expenses results from the timing of the expected spending on research activities.
- A \$3.3 million decrease in facilities expenses is almost wholly attributable to lower budgeted amortization resulting from major project delays.
- A \$9 million increase in expenses for projects funded by Manitoba Health, particularly the MB Physicians program, is partially offset by a \$1.1 million decrease in fees to manage trust funds and a \$500,000 decrease in the staff benefits fund resulting in the \$7.5 million increase in special purpose and trust shown on attachment 1a of the budget submission.
- A \$6.2 million decrease mostly in Student Services, driven by lower activity in Bison Sports and Recreation Services.
- While the IT budget has been increased to support rising costs of software, the \$3.1 million decrease reflects a reduction in project activity which was supported by transfers from provisions in the 2020/21 budget.
- Ancillary Services has budgeted \$3 million less than the previous year, due to lower anticipated revenues.

With respect to the general operating budget, Mr. Walc noted the following:

- The operating budget is approximately \$14 million lower than last year, a decrease of 2.1%.
- The two main sources of operating revenue allocated through the budget model are the provincial operating grant and tuition fees, which together total over 80% of the operating budget.
- The 1.75% provincial operating grant cut is equal to a budget reduction of almost \$6 million. This reduction, netted with the increase in tuition and course fees, amounted to an additional \$12.5 million to allocate through the budget model this year.
- Central Cost Pools received increases totaling \$2.0 million or 0.9%. This was allocated to support the establishment of the Office of the Vice President Indigenous (\$900,000), \$445,000 for rising insurance costs, and \$525,000 for increased IT costs, \$200,000 to External Relations to hire two staff to support the ongoing maintenance of the new UM

website. Two cost pools (Research and Libraries) were able to reallocate budget to support increased salary costs and did not request budget increases.

- The new \$4.2 million capital grant from the Province for deferred maintenance allowed a reduction in the University's allocation from \$8 million last year to \$6 million in 2021/22.
- Academic Units received allocation increases of \$11.1 million or 3.9 percent. Allocations for some units are increasing, while others are decreasing. The variation of impacts was largely a result of the impacts of the budget model's calculations as well as strategic subvention adjustments for 2021/22.
- Other allocations include about \$1.5 million to mitigate lost revenues in the Faculty of Kinesiology and Recreation Management; funding to the Faculty of Architecture to hire a Dean as the position is no longer shared with Engineering; increased funding to the Faculty of Science and the Rady Faculty of Health Sciences to increase their instructional complement, and funding to several faculties to hire student advisors and staff to support the recommendations from the Equity, Diversity, and Inclusion (EDI) report. Most of the increases will be directed to regular salary increases related to performance increments and promotions.

Mr. Walc stated that the primary source of funding for the university fund is the tax applied to the tuition fees and provincial grant revenue allocated to faculties. He said the amount generated is \$91.2 million for 2021/22, slightly more than last year. He added that in the 2020/21 budget, \$10 million was allocated as contingency, half of which was initially used to offset the additional four percent provincial grant reduction; however, due to favourable enrolment numbers, some of that contingency was replenished. Approximately \$6 million of the 2020/21 contingency is being allocated back to the university fund to support strategic allocations for 2021/22. Mr. Walc said that total contributions from all sources to the university fund for 2021/22 is \$111 million, which is \$2 million more than was available last year.

Dr. Ristock explained that the university fund is used to support the University's strategic priorities both by cross-subsidizing operations through subvention as well as in targeting investments in specific areas. She reviewed the proposed allocation of the \$111 million noting that some allocations are new, and others are continued funding for multi-year commitments. She said the amount allocated to subvention is \$95.4 million of the \$111 million, \$2.6 higher than in 2020/21. She explained that this is partly a result of the University's commitment to stabilize academic units during the pandemic. Regarding continued multi-year commitments, Dr. Ristock noted the following:

- \$900,000 to the National Centre for Truth and Reconciliation. Last year was to be the last year of a 7-year University commitment to fund the operations of the Centre but this commitment has been extended to support this essential activity while other sources of funding are confirmed.
- \$1 million in the final year of a seven-year commitment to research initiatives through the office of the Vice President (Research and International).
- \$1 million in the final year of a six-year commitment to continue Information Services and Technology's network switch replacement initiative across the university.

- \$600,000 towards Indigenous Scholars in a relaunched commitment of three years to support the recruitment and appointment of more Indigenous Scholars and build on a previous program that funded 12 scholars.

Dr. Ristock said additional strategic allocations for 2021/22 are:

- \$1 million for student financial supports is in addition to ongoing funding to scholarships and bursaries of approximately \$15 million. These funds will be prioritized based on need, and will include undergraduate students, graduate students, internal students, and Indigenous student financial supports.
- \$200,000 to fund additional accessibility coordinators to provide important support to students. This is something that student leadership has said is important.
- \$300,000 to implement the Equity, Diversity, and Inclusion strategy, discussed earlier in the meeting.
- \$1.2 million on initiatives to support the enhancement of teaching and learning, including career counsellors, software, experiential learning, and open access resources.
- \$500,000 to continue learning space renewal and enhancement.
- \$1 million for the Hydro Power Re-Servicing project, which is critical to stabilize the University's power supply. This will cost millions of dollars in coming years.
- \$8 million to contingency/strategic reserves. These funds are budgeted to support the University's needs in unexpected events. This is \$2 million less than allocated in 2020/21 and is 1.2 percent of operating revenue.

Dr. Ristock noted that no strategic funding is being allocated to the Sexual Violence Resource Centre as funding is now included in the operating budget.

Ms. Andrew provided a high-level summary of the budgeted capital expenditure of \$80.4 million for 2021/22, noting that this is an increase over the \$68.5 million budgeted in 2020/21. She noted this summary is included on Attachment 4 of the budget submission. Ms. Andrew noted the following sources of funding for these expenditures:

- \$20.1 million in provincial and federal capital grants;
- \$9.5 million in donations;
- \$5.4 million in research and industry funds;
- \$12.3 million in transfers from operating; and
- \$33 million in transfers from provisions.

Ms. Andrew emphasized the need for continued monitoring and flexibility of the budget due to the uncertain impact of the pandemic. She stated her belief that the budget presents an appropriate balance and a sustainable approach for the coming year.

President Benarroch stated that budget development is not a simple process, and the budget is

complex. He added that the proposed budget leaves the University with the flexibility needed in the uncertainty of the pandemic.

The Chair thanked the presenters for the detailed presentation and invited questions and comments from members of the Board.

A question was raised about anticipated budget and enrolment increases in the Price Faculty of Engineering that should have resulted from the significant donation made by the Price family. Dr. Ristock stated that the funding is intended to increase enrolment and hire more faculty members; however, it will not be included in the operating budget because it is in the form of an endowment. She added that it will be some time before the funds are available.

Mr. Kearsey added that an endowment must be in place for one year before any funds are released.

President Benarroch explained that large gifts typically come to the University over time, so the impact is seen only gradually. He added that \$2 million of the Price family's gift came in this year and will result in funding next year of 4.5% of the interest earned.

A question was asked about funding to the Faculty of Graduate Studies, which is not apparent in the budget. Dr. Ristock responded that the Faculty of Graduate Studies is considered a central unit, so it is included in the central unit cost pool.

It was moved by Dr. Anderson and seconded by Ms. Lee:

That the Board of Governors approve a consolidated budget for the year ending March 31, 2022 that includes:

- **total revenues of \$924,125,666**
- **total expenses of \$917,325,069 and**
- **a balanced general operating budget of \$660,448,312**
- **a capital-spending plan of \$80,369,000.**

CARRIED

5.3 Signing of Agreements Policy and Procedure

Ms. Lee introduced this submission, noting that the Finance, Administration, and Human Resources Committee considered it at its March 9, 2021 meeting and recommends it to the Board for approval.

Ms. Andrew stated that the current policy has been in place for 10 years and was reviewed as required by the *Governing Documents Policy* and in response to recommendations made by Audit Services in its 2019 report on the policy. She explained that the policy outlines the process to be followed in reviewing contracts; the employees who have authority to sign agreements on behalf of the University and limits to that authority by agreement type or dollar value; which

agreements require Board of Governors approval; and which agreements require subsequent reporting to the Board.

Ms. Andrew said the proposed revisions were based on noted the following recommendations made in the 2019 Audit Services Report on the policy:

- Ensure Policy and Procedure were consistent with current practices;
- Increase the dollar value thresholds for approval of various kinds of agreements by Deans and Directors;
- Increase dollar value thresholds for BOG approval of agreements relating to goods and services;
- Clarify that the length and value of agreements is calculated inclusive of any extensions;
- Increase dollar value threshold for BOG approval of construction projects;
- Remove mines and mineral leases from BOG approval requirements; and
- Create a minimum threshold for approval of leases of University-owned land by the Board (i.e., 20 years or a minimum dollar value).

Ms. Andrew noted that the focus of the review was to clarify the approval processes and streamline the signing processes. She said the proposed revisions address all the above recommendations, adding that the Board submission included details of all the proposed changes to the policy.

In summary, Ms. Andrew stated that the proposed revisions will clarify authority, enhance accountability, streamline processes, and appropriately allocate contract risks to ensure the University is appropriately deploying resources and only entering agreements after due consideration or review by appropriate supervisory authorities. She said the proposed changes will also create operational efficiencies, thereby enhancing organizational value.

Discussion ensued, with one Board member suggesting a revision to the language in section 2.5 (b) regarding powers of delegation, noting that directing an employee to affix an e-signature at the signing officer's behest, to send an Agreement electronically, or to "click to accept" does not constitute a delegation; rather, is simply requesting that an administrative task be performed.

Ms. Andrew agreed and committed to amending that section and bringing it to the next Board of Governors meeting.

In response to a question, Ms. Andrew explained that in collective bargaining, the Board of Governors authorizes a mandate for the bargaining team to follow. She added that if a proposal falls within that mandate, there is no requirement to call an emergency meeting of the Board to obtain approval. She said this gives the bargaining team the authority to make a deal.

Ms. Andrew responded to a comment that the Board does not know where capital initiatives originate and asked whether the Board could have some input at the outset of an initiative. She

said the process is robust as written, and a separate presentation would be needed to go over the full process of Board of Governors approval. She noted that under the current policy, some small pieces of a project may have already been done prior to a project coming to the Board. She added that the reporting process will be more robust under the new policy.

One Board member expressed their comfort with the new approach and commented about the piecemeal process used in the approval of the new Winnipeg Police Headquarters, which did not turn out well.

Members of the Board noted that the new policy will provide a better way for the Board to demonstrate accountability.

A comment was made that the Board does not wish to micromanage these projects and some bundling does make sense; however, the Board must get the information it needs to make decisions, therefore, the policy needs to fairly reflect the Board's culture and practice while being fair to administration.

Dr. Benarroch agreed that the role of the Board is oversight, and not management. He said the proposed process allows the Board to have the oversight it needs and creates a stronger reporting structure while supporting the process. He noted that the policy can be revisited and revised if the Board finds itself uncomfortable down the line.

The Chair said that having the big picture ahead of time will help the Board to understand the projects without having to approve the minute details long the way.

It was moved by Ms. Lee and seconded by Dr. Reimer:

THAT the Board of Governors approve:

- **The revisions to the *Signing of Agreements Policy*;**
- **The revisions to the *Signing of Agreements Procedure*;**
- **The revisions to Schedules A & B of the *Signing of Agreements Procedure*;**
- **The rescinding of the *Use of Corporate Seal Policy*; effective April 1, 2021.**

CARRIED

FOR INFORMATION

6. NEW BUSINESS

6.1 Report from the President

Dr. Benarroch reported that 506 international students have arrived in Manitoba since the end of November, staying at the Sandman Hotel for their quarantine period. He said there were 25 students there now with 63 more scheduled to arrive, adding that the University is communicating with 500 more international students. He noted that nursing students remain in

place to ensure the students are doing well. He thanked Dr. Jayas and Ms. Schnarr and their teams for their excellent work.

The President said the search for a Provost and Vice-President (Academic) is ongoing and a shortlist is being created. He added that he is beginning to consider what an EDI Lead position might look like, as that was one of the recommendations in the EDI report presented earlier.

Dr. Benarroch said he had recently announced a phased reopening for the fall term, beginning in September. He thanked Dr. Mondor and Dr. Ristock for their efforts to make that happen. He added that the University will adhere to all public health guidelines so there will be 20 students or fewer per class, depending on the space available for social distancing. He added that masks will remain mandatory. He noted that some new students will be under the age of 18 so will not have been vaccinated when classes begin in the fall, so this will be something that the University will have to address. He said there would be approximately 3000 to 4000 people on campus at one time, with classes at every level, but mostly third- and fourth-year classes because those tend to have fewer students. He said labs would have no more than 25 students registered.

President Benarroch stated that he hopes to open up more in January; however, now it is not known whether all the classes will come back in January, as some classes will continue to be offered remotely even after the pandemic is resolved. He said he had shared plans with the government, the deans, and the unions prior to making the announcement. He acknowledged that the government would prefer that the University wait as long as possible to decide and announce whether to resume in person classes; however, the University must begin scheduling the classes for the fall so that faculty will know how to prepare, international students will have time to get their visas, and manage a lot of other preparation. As before, extra prep classes will be offered in some subjects before classes start.

Chancellor Mahon thanked the President and his team for all their work in dealing with the pandemic. She noted that it will be more difficult to open back up than it was to shut down last year, as there are many things still to consider. Dr. Benarroch said the University needs to do the best it can to reopen in the fall and then move to a full opening for January.

MOTION TO MOVE TO CLOSED & CONFIDENTIAL SESSION

It was moved by Dr. Prentice and seconded by Dr. Reimer:

THAT the meeting move into Closed and Confidential Session.

CARRIED

Chair

University Secretary

*Discover the Unknown
Invent the Future*

Faculty of Science, University of Manitoba

Status, Initiatives, Future Directions

April 11, 2021

Stefi Alison Baum



**University
of Manitoba**



Our Mission

We are the largest faculty at the only U15 University in Manitoba

- We have ~1/4 of the students at UM and teach ~1/4 of the UGS
- We provide the mathematical and scientific training for students from all faculties for all professions (nurses, doctors, pharmacists, engineers, agriculture, teachers, business leaders, scientists)
- We infuse RESEARCH into every part of our mission, from pedagogy to student engagement to community and industry collaboration.
- HQP is our business and we produce all the science PhDs for the Province.

A Changing Landscape 2010->2020

TOTAL UNDERGRADS DOUBLED: 3063 -> 6180 (~5% Indigenous sd)

FASTEST GROWING MAJORS (GROWTH by factor 2-7)

- Actuarial Math
- Biology
- Computer Science
- Genetics
- Physics and Astronomy
- BS Psychology
- Statistics

A Changing Landscape 2010->2020

- TOTAL GRADUATE STUDENTS: 20% growth over the decade (~2.5% Indigenous sd).
 - **Masters -up 10%**
 - **PhD – up 33%**
- In the future, the masters and PhD programs must grow to meet the needs of the Province and create the innovators and knowledge producers who will transform the economy.
 - **Compared to our Western colleague universities we produce far fewer masters and PhD students relative to the size of our Faculty.**

A Changing Landscape 2010->2020

THE GROWTH OF RESEARCH

- TOTAL EXPENDITURES: 8.2Million -> 12.2 Million (*TOTAL*)
- CIHR – 400K -> 800K (*HEALTH*)
- NSERC Discovery – 3.8 Million -> 4.3 Million (*FUNDAMENTAL*)
- CFI – 2.0 Million -> 4.5 Million (*INFRASTRUCTURE*)
- MITACS – 50K -> 650K (*INDUSTRY HQP*)
- INDUSTRY CONTRACTS – 600K -> 3.0 Million (*INDUSTRY*)

A Changing Landscape 2010->2020 NOW WELL CONNECTED TO COMMUNITY

*University of
Manitoba scientist
part of team working
to develop drugs to
fight COVID-19
(CBC Mar 2020)*

*U of M building
database for Arctic
researchers
(Winnipeg Free
Press October
2020)*

*Astronomers
glimpse black hole's
magnetic personality
(Globe and Mail
March 2021)*

Faculty of Science Social Media Presence

The Faculty of Science has a very active following on Facebook, Twitter, Instagram and LinkedIn. LinkedIn is the newest Faculty page, started in September 2019.

The engagement data includes all comments, shares, and reactions since each page was launched.



A Changing Landscape 2010->2020 - SUMMARY

- SCIENCE STUDENT NUMBERS HAVE DOUBLED
- SCIENCE RESEARCH HAS GROWN ENORMOUSLY, PARTICULARLY RESEARCH WITH INDUSTRY
- SCIENCE @UManitoba IS NOW A KNOWN ENTITY
- SCIENCE IS WELL POSITIONED FOR THE FUTURE (See next slides)
- To Live Long and Prosper – SCIENCE needs enhanced infrastructure support and Research/Graduate Program Support
 - These enhancements would have huge positive impact for the Province and its Economy



Faculty of Science, University of Manitoba

Current Initiatives and Future Directions:

- **1. Preparing the Workforce for Tomorrow**
- **2. Indigenous Achievement in Science**
- **3. Creating University-Industry-Government Partnerships**



Preparing the knowledge workforce for Tomorrow's Economy – Our Major Objectives

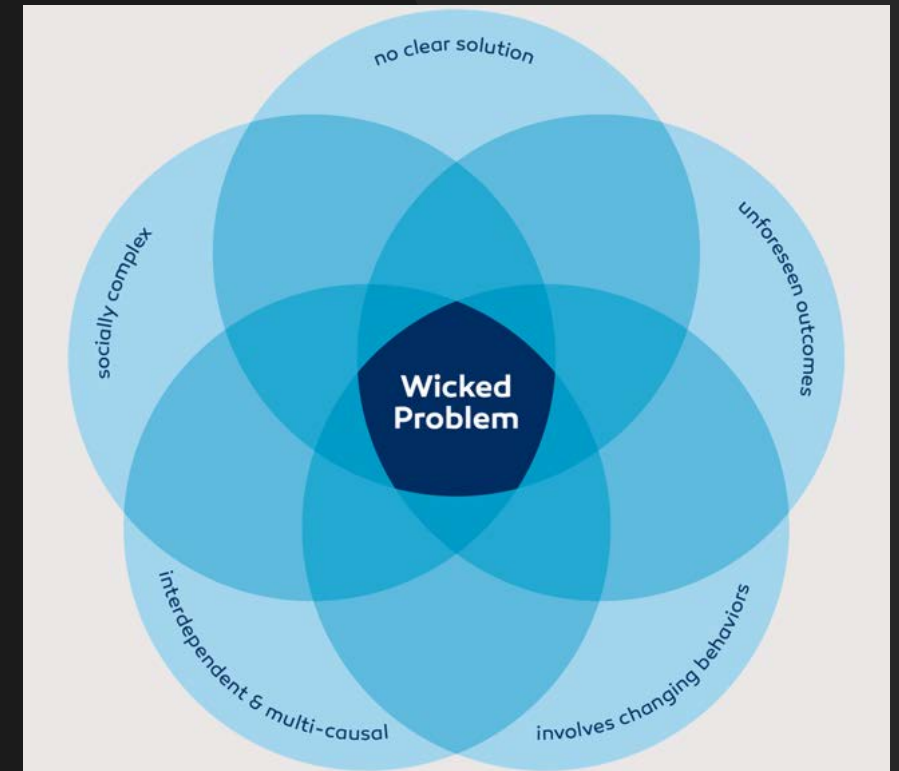
- **Objective 1: Create the premiere (brains & hands on) science learning environment where students acquire depth, breadth, ingenuity and resilience. Think and Do.**
- **Objective 2: Create paths of engagement between Science and society to build a reinforcing evolving cycle of experiential learning and knowledge exchange.**
- **Objective 3: Live the mantra - Science is for everyone.**



NEW DEGREE PROGRAMS – FORWARD LOOKING

- New interdisciplinary degree programs
 - BS Data Science (2021), MS Data Science (2022), Masters in Business Analytics (with Asper – 2022).
 - BS Integrated Science (2022),
 - BS Neuroscience and Computer Cognition (2023)
 - BS Applied Physics (2023)

The current nature of scientific problems and global issues, ranging from climate change to pandemics, often requires knowledge and skills that span multiple disciplines.



NEW CLASSES that BROADEN

- THE ART OF SCIENTIFIC VISUALIZATION (2020, 2021)
- SCIENCE ENTREPRENEURSHIP (with Asper and Sci alumni) (2021)
- SCIENCE POLICY (2018 on)
- TWO EYED SEEING/INDIGENOUS SCIENCE (fall 2021)
- CERTIFICATE OF SCIENCE COMMUNICATION PILOT started fall 2020
- BIOINSPIRED ARCHITECTURAL MATERIALS (Chem - Architecture) 2022
- NEW for credit ESSENTIALS (preparatory) COURSES – fall 2021

Opportunities in and out of Classroom

SCIENCE SKILLS FOR THE 21ST CENTURY

Undergraduate Student Workshop

Presented by:
Faculty of Science & UM Extended Education



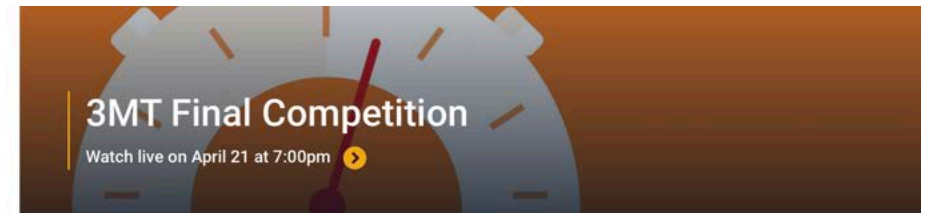
University
of Manitoba

Work Integrated Learning

- **SCIENCE COOP**
 - in all science disciplines & growing (2019 – record 341 students).
 - Programs now Nationally Accredited.
- **GENERAL SCIENCE WORK INTERNSHIP PROGRAM**
 - For Three Year General Students (~2500) Starting Fall 2022.



STUDENT ENGAGEMENT IN NATIONAL AND INTERNATIONAL COMPETITIONS



Faculty of Graduate Studies

Home / Faculty of Graduate Studies / Student experience / Three Minute Thesis (3MT)

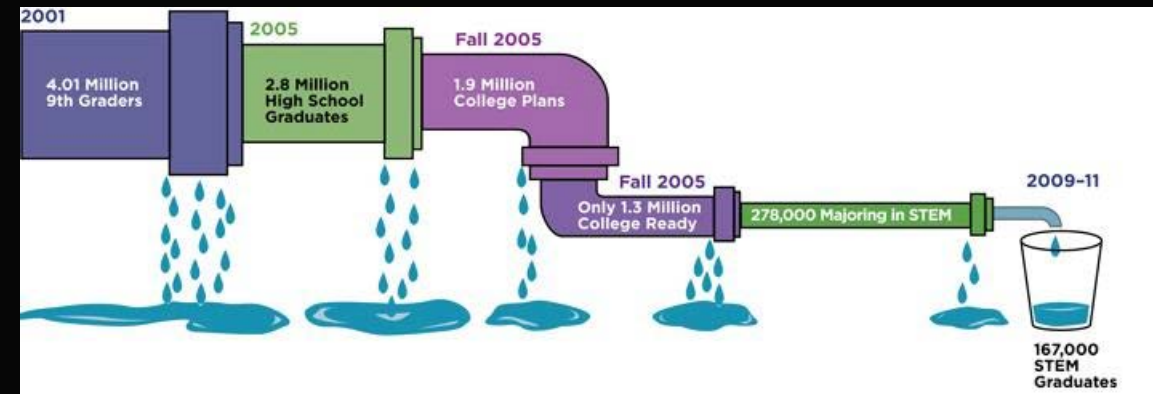
Student experience

Three Minute Thesis (3MT®)

Three Minute Thesis (3MT) is an annual competition for graduate students in a thesis-based program. The University of Manitoba 3MT is part of an overall strategy to highlight our graduate students, promote UM research and connect with the community.

Education (K-12) and Public Engagement: Building the Next Generation

- It begins with role models and inspiration (faculty and students reach out)
- Diverse students engage in outreach e.g. Saturday Science Club, Math Mania, Birds & Windows, Let's talk science.
- Science Rendezvous grown to 800 student organizers, > 5000 campus visitors, preceded by Science Discovery Week (schools)
- **Our UM STUDENTS** get real life lessons in Leadership, Project Management, Communication.



The Wawatay
Project Starts
Summer 2021
with our first
cohort of 10
students-
the inaugural
Wawatay Scholars

WHAT IS WAWATAY?

Wawatay opens the doors of science to high potential Indigenous students, regardless of preparation.



Community Partners

Wawatay involves reaching out and working directly with our students' home communities. The first, and certainly one of the most important aspects of Community Partnership, is nominating high-potential students for the program.

This entails working with the Wawatay lead to customize each community's nomination criteria. Possible student nomination criteria include ability to problem solve, inquisitive, hardworking and of course, an interest in science. Students interested in this program should reach out to their community leaders or contact the Wawatay Lead.



THE STUDENT EXPERIENCE

The goal of Wawatay is to increase Indigenous student success at graduating with a science degree. Wawatay will develop student potential, challenge promising students, and offer continuous personal and academic supports.



ANITA MURDOCK, INDIGENOUS SCIENCE STUDENT REPRESENTATIVE.



EXPERIENTIAL RESEARCH

From day one through to graduation, our students will engage in research, working on projects that reflect their personal interest and projects that relate directly to their home communities.

SIX WEEK SUMMER ON CAMPUS ORIENTATION KICKS OFF WAWATAY BEFORE FIRST SEMESTER

Includes introduction to the university, BEAHR training in professional skills and Indigenous research, research presentations from science faculty, assessment and personal academic advising, Indigenous connections, mentoring, supports, social events and a Team Project.

WHAT IS WAWATAY?

Transforming Scientific Research
Wawatay combines classical scientific approaches with Indigenous ways of seeing, knowing, learning and doing to enhance the power of science.



Our Foundation



HONOUR TRADITIONAL KNOWLEDGE

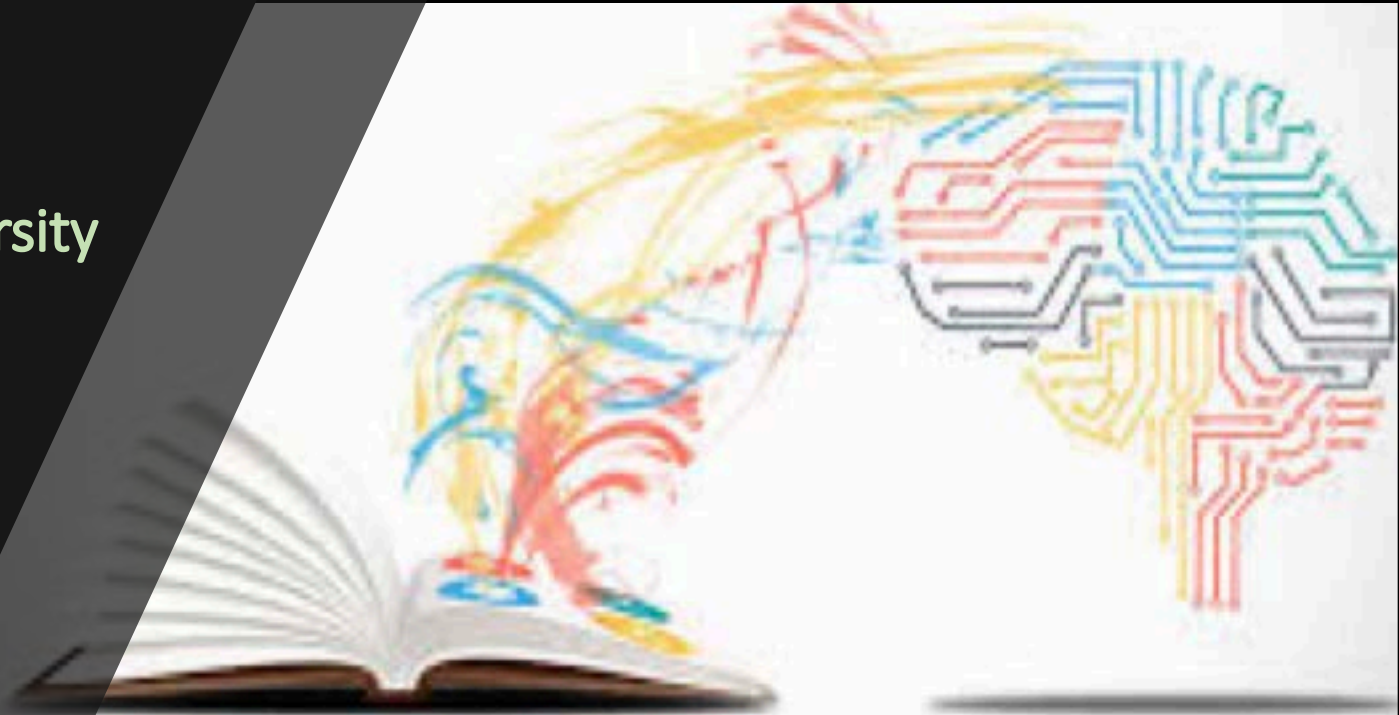
Embrace traditional ways of knowing and weave two eyed seeing into research, teaching, and learning.



Building University Industry Government Partnerships

FACULTY OF SCIENCE OBJECTIVES

1. Accelerate Transfer of Knowledge from University to Industry
2. Enhance Industry and Government awareness of Science capabilities
3. Support Commercialization of University Research and Startup Creation.
4. Build a virtuous reinforcing cycle of science HQP and life long learning for Manitobans



Feeding the Golden Goose, Gathering the Golden Eggs

- Discoveries and inventions from research and knowledge workers are the golden eggs underpinning societal advance and economic strength
 - When Covid-19 strikes, they illuminate the pathway out
 - They spawn great industries, keep the economy vibrant, fuel the startup economy, provide societal solutions.
- Science Faculty researchers (and their HQP) are Geese laying golden eggs
 - **Discovery research is the currency of university science researchers and students. It creates the seeds that, through application, transform society and economies.**



The Faculty of Science Deliberately Opened for Industry Collaboration

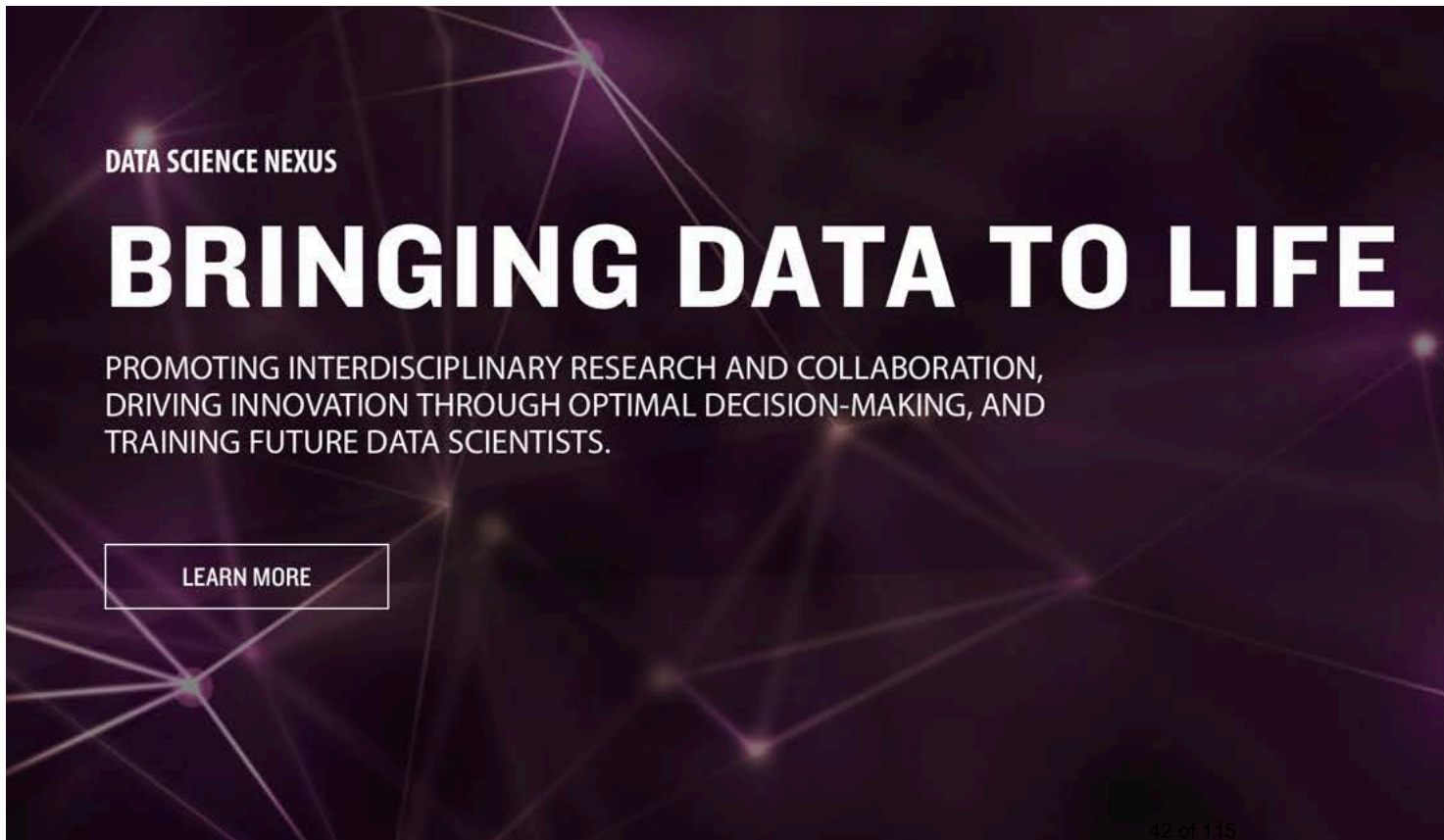
OPEN^{for}
BUSINESS

- Science has established partnerships and collaborations with sector councils, funders, industry associations
- Science has held Research Innovation & Commercialization Workshops and funded Research Innovation & Commercialization opportunities for faculty and students.

Annual Partners in Progress
Dean's Meet and Greet, (2018
start): industry-facing c-suite
event to engage business &
community leaders.

Over 1.5 years engaged 200+
local industry & government
partners, with strong
representation in
Insurance/Finance, Biotech,
Agriculture, Transportation +
Logistics, ICT/Tech,
Manufacturing.

CREATING HUBS - 1. NEXUS

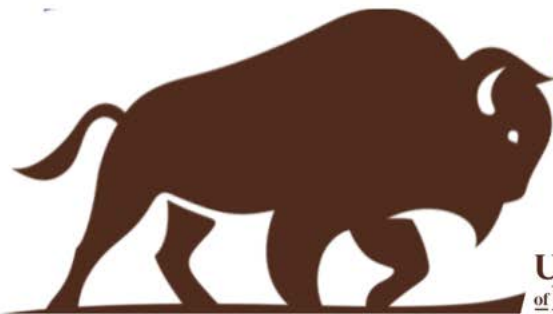


- Launched in 2019: interdisciplinary collaboration hub and connecting link to data science talent, training, and leading-edge research.
 - AI/machine learning, computation, visualization, prediction, data science
 - Domain expertise in digital agriculture, biotech, finance, transportation, etc.

CREATING HUB #2 - BioEx^M

BioEx^M

Exploration of Natural
& Synthetic Biology



University
of Manitoba

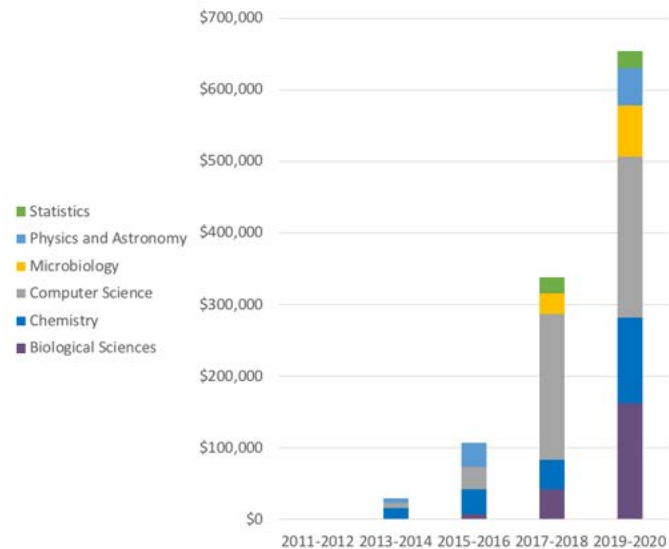


faculty of SCIENCE
discover the unknown + invent the future

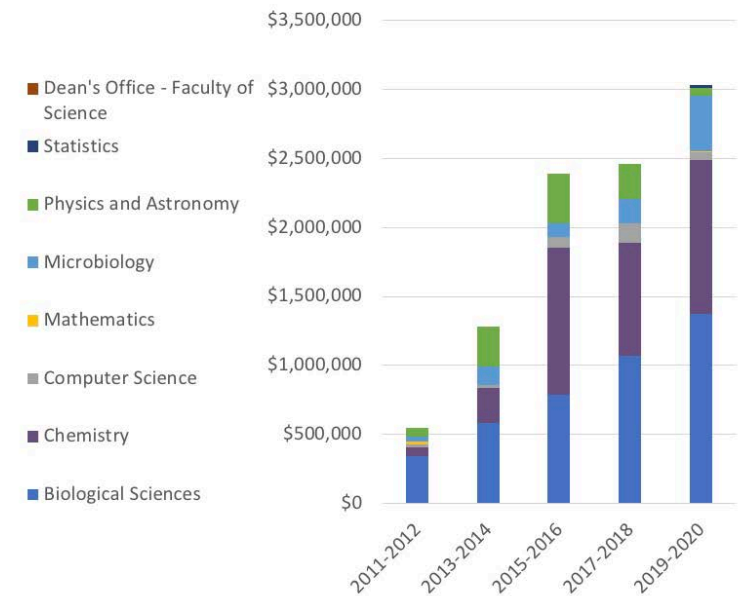
- **Launching June 2021**
- Structural, Synthetic, Digital Biology
- Goal: become premier education & research group in Canada, growing industry connections.
- Status: extraordinary current strength, 2 CRC1s, new hires, state of the art Cryo-EM (CFI)
- “Could we train HQP with the knowledge to produce the Pfizer vaccine and create future new technology vaccines on our campus?” - SynBioLab Yes we Can.

IT'S WORKING

Mitacs Funding by Department



Industry- academic contracts by Department



IT'S WORKING-

Research Manitoba Proof of Concept Grants

Protegra Design a better future through software-enabled solutions.

Adva Diagnostics – FoS/Micro w/ Engineering - ~300K

Point of care diagnostic device for rapid detection of COVID19

IoAirFlow – FoS/Stats and Red River College -~300K

Assessing environmental quality gaps in commercial buildings using wireless sensors and big data analysis

Protegra – FoS/Computer Science – 540K

Decentralized services and innovative protocol for sharing / searching user-generated data

KGS – Faculty of Science, Chemistry – 225K

Commercialization of bioactive natural products derived from plant-beneficial bacteria



IT'S WORKING – LEADING NATIONAL INITIATIVES



“We are certainly not the only ones doing this, but we are likely the first ones doing it on this scale”

-Margaret Docker, Faculty of Science

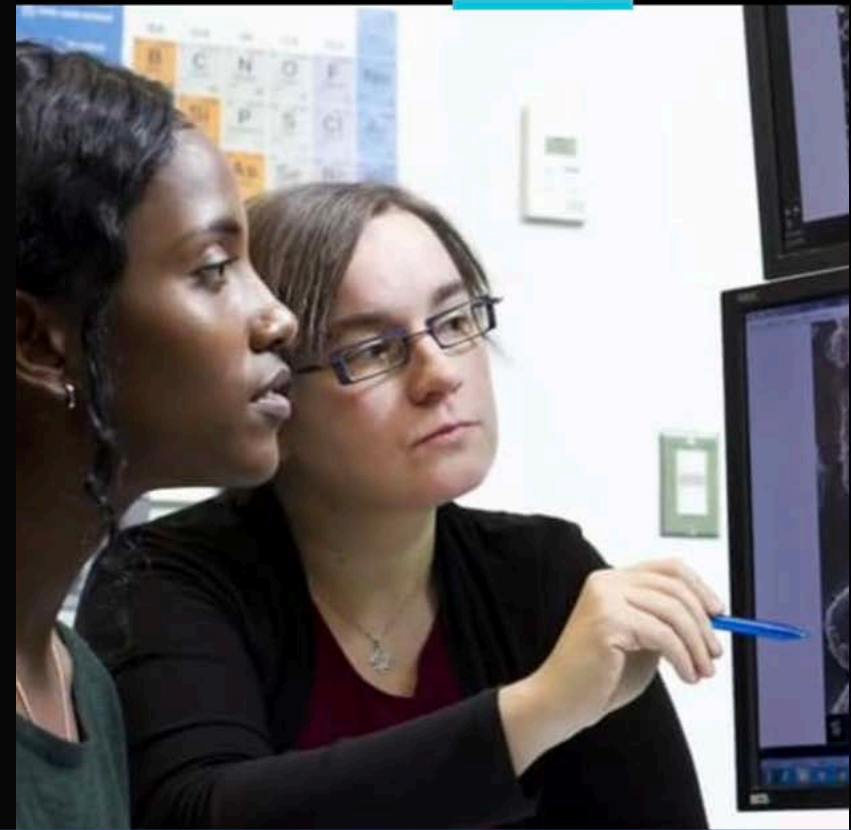
- GEN-FISH harnesses environmental DNA to manage Canada's freshwater fish

Canada is home to almost 200 species of freshwater fish spread out over more than two million lakes covering about 7.6 per cent of Canada's nearly 10 million square kilometres. Margaret Docker and her colleagues want to catalogue them all.

Docker is co-lead of a 25-member team comprising the Genomic Network for Fish Identification, Stress and Health.

Genome Canada is providing \$4 million to the \$9.1 million, four-year project, with the balance coming through Ontario Genomics, Genome Québec, plus university and industry partners.

Together we are making an impact, engaging community, and training the next generation who will lead the way in these nine CHALLENGE areas for the Future.



- **Explore Life on the Smallest Scales** * **Harness Microbial & Genetic Worlds**
- **Revolutionize Tomorrow's Materials & Devices**
- **Make Computers our Sixth Sense** * **Revolutionize Science & Math Literacy**
- **Grow the Innovation Ecosystem** * **Reconnect Nature's Networks**
- **Leverage the Origins of the Universe**
- **Cultivate Remote and Rural Communities**

**World changing
science happens here**

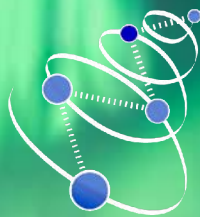
www.sci.umanitoba.ca



**University
of Manitoba**

Wawatay

SUPPORTING INDIGENOUS STUDENT SUCCESS IN SCIENCE



faculty of **SCIENCE**
discover the unknown + invent the future



University
of **Manitoba**



Welcome
Pihtikwew. Biingigen.
En ya. Peehtikway.
iyuśkin kuwa.
Tunngasugit.

WHAT IS WAWATAY?

Creating Opportunities through Science Working in
direct collaboration with Indigenous communities.



WHAT IS WAWATAY?

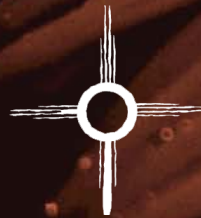
**Wawatay opens the doors of science to
high potential Indigenous students,
regardless of preparation.**



WHAT IS WAWATAY?

Transforming Scientific Research

Wawatay combines classical scientific approaches with Indigenous ways of seeing, knowing, learning and doing to enhance the power of science.





WHAT IS WAWATAY?

Maintaining connections to community and culture.

Wawatay scholars grow into Scientists
who can walk in both worlds, with unique
capabilities to forge a new future for
themselves and their communities.



A photograph of a forest floor. In the foreground, there are several large, weathered, greyish-brown tree trunks and roots lying on the ground. The ground is covered with a thick layer of green moss and small green plants. In the background, there are more trees and a body of water, possibly a lake or a wide river, visible through the trees. The overall scene is a lush, green forest environment.

OUR FOUNDATION

COMMUNITY PARTNERS + FACULTY OF SCIENCE

Our Foundation



INDIGENOUS COMMUNITY PARTNERS

Create and strengthen beneficial ties with Indigenous communities. Community led student recruitment, and community led research projects. Working together with the community, Wawatay aims to create meaningful and applied hands-on learning for students and positive community outcomes.

Our Foundation



INDIGENOUS SCIENCE SCHOLARS

Build a community of Indigenous Science Scholars at the Faculty of Science. Offer exceptional academic, social and emotional supports. Integrate two-eyed seeing. Engage students in meaningful research that connects them to their communities.

Our Foundation



HONOUR TRADITIONAL KNOWLEDGE

Embrace traditional ways of knowing and weave two eyed seeing into research, teaching, and learning.



THE STUDENT EXPERIENCE

The goal of Wawatay is to increase Indigenous student success at graduating with a science degree. Wawatay will develop student potential, challenge promising students, and offer continuous personal and academic supports.



ANITA MURDOCK, INDIGENOUS SCIENCE STUDENT REPRESENTATIVE.



EXPERIENTIAL RESEARCH

From day one through to graduation, our students will engage in research, working on projects that reflect their personal interest and projects that relate directly to their home communities.



MENTORING & SUPPORTS

Wawatay scholars will be embedded in a rich ecosystem of learning, mentoring and supports, from classroom experiences that value the rich heritage of Indigenous science, language and culture, to UM campus supports, including tutors, childcare assistance, mentoring, the Bald Eagle Lodge and grandparents in residence.



WORKSHOPS

Workshops that address educational and career development will be offered as students progress and will change based on their needs. Topics may cover: project management, communications skills, entrepreneurship, resume writing, graduate school applications and networking.

Community Partners

Wawatay involves reaching out and working directly with our students' home communities. The first, and certainly one of the most important aspects of Community Partnership, is nominating high-potential students for the program.

This entails working with the Wawatay lead to customize each community's nomination criteria. Possible student nomination criteria include ability to problem solve, inquisitive, hardworking and of course, an interest in science. Students interested in this program should reach out to their community leaders or contact the Wawatay Lead.

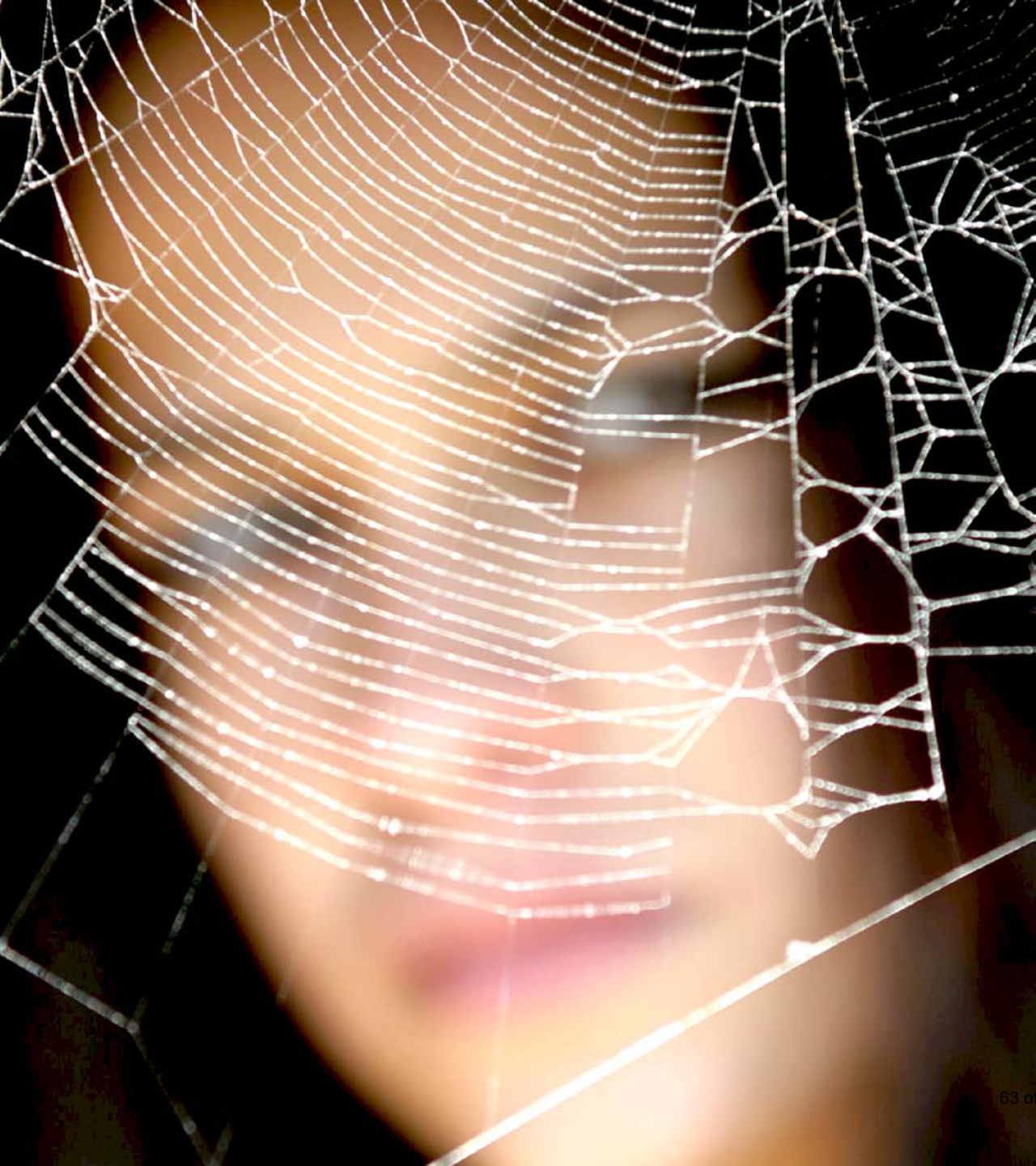


WAWATAY
SCHOLARS

INDIGENOUS
COMMUNITY

SCIENCE
REINVENTED

Wawatay. Thinking Beyond
Together.



Contact us

**Wawatay.Thinking
Beyond. Together.**



204-474-9306



wawatay.science@umanitoba.ca



www.sci.umanitoba.ca/wawatay



☒ Approval ☐ Discussion/Advice ☐ Information

AGENDA ITEM:

Report of the Senate Committee on Awards [dated February 25, 2021]

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve six new offers, seven amended offers, and the withdrawal of nine offers, as set out in the Report of the Senate Committee on Awards [dated February 25, 2021].

CONTEXT AND BACKGROUND:

At its meeting on April 7, 2021, the Senate Committee on Awards approved six new offers, seven amended offers, and the withdrawal of nine offers, as set out in the Report of the Senate Committee on Awards [dated February 25, 2021].

RESOURCE REQUIREMENTS:

The awards will be funded from the sources identified in the Report.

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

N/A

IMPLICATIONS:

N/A

ALTERNATIVES:

N/A

CONSULTATION:

These award decisions are consistent with the policy on *Student Awards*. They were reported to Senate for information on April 7, 2021.

Reviewed Recommended By

By

Date

Senate Committee on
Awards

February 25, 2021

☐

Senate Executive Committee

March 24, 2021

9

Senate

April 7, 2021

☐☐

9

University Secretary on behalf of Senate

Report of the Senate Committee on Awards [dated February 25, 2021]

REPORT OF THE SENATE COMMITTEE ON AWARDS

Preamble

Terms of reference for the Senate Committee on Awards include the following responsibility:

On behalf of Senate, to approve and inform Senate of all new offers and revised offers of awards that comply with the Student Awards Policy.

Observations

At its meeting of February 25, 2021, the Senate Committee on Awards approved 6 new offers, 7 revised offers and 9 withdrawals as set out in the *Report of the Senate Committee on Awards (February 25, 2021)*.

Recommendations

On behalf of Senate, the Senate Committee on Awards recommends that the Board of Governors approve 6 new offers, 7 revised offers and 9 withdrawals as set out in the *Report of the Senate Committee on Awards (February 25, 2021)*. These award decisions comply with the Student Awards Policy.

Respectfully submitted,

Dr Jared Carlberg

Chair, Senate Committee on Awards

SENATE COMMITTEE ON AWARDS

February 25, 2021

1. NEW OFFERS

Dr. Shannon Dawn Scott Prize for Excellence in Nursing Research

In recognition of the education she received in the College of Nursing, Dr. Shannon Dawn Scott (BN/94, MN/98) and Dwayne Hunka established an endowment fund at the University of Manitoba in 2020. In years when funds are available, the Manitoba Scholarship and Bursary Initiative will contribute to the award for a period of up to three years. The Dr. Shannon Dawn Scott Prize is significant in that it is awarded in direct recognition of excellence in nursing research at the Master of Nursing or Doctoral level.

Each year, beginning in the 2020-2021 academic year, the available annual income will be used to offer one prize to a graduating student who:

- (1) was enrolled part-time or full-time in the Faculty of Graduate Studies and is graduating from either the Master of Nursing or Ph.D. in Nursing program in the College of Nursing at the University of Manitoba in the year in which the award is tenable;
- (2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study; and
- (3) completed a Master's or Doctoral thesis whose research has the potential to influence the nursing profession and the people it serves.

In the spring, faculty advisors will be invited to submit a letter of nomination for a student who graduated from a Master of Nursing or Ph.D. in Nursing program in the College of Nursing in October or February of the academic year in which the award is tenable, or for a student who will graduate in May of the academic year. In the nomination letter, faculty advisors will collaborate with the student to address the excellence in nursing research and potential to influence the nursing profession and the people it serves, as well as articulate the student's knowledge translation activities to date.

While selection of the winner is based primarily on nursing research excellence, cumulative scholarly achievement during the graduate program will also be considered.

The award recipient will be announced at the annual spring convocation and the name of the recipient will be engraved on the Dr. Shannon Dawn Scott Award for Excellence in Nursing Research plaque located in the College of Nursing.

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Dean of the College of Nursing (or designate) to name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate) and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Joseph Karr Scholarship

Through a bequest, Ethel Karr established an endowment fund at the University of Manitoba with an initial gift of \$13,251.36. The purpose of the scholarship is to reward the academic achievements of

undergraduate pharmacy students. Each year, beginning in 2021-2022, the available annual income will be used to offer one or more scholarships to undergraduate students who:

- (1) are enrolled full-time (minimum 80% course load) in any year of study in the PharmD program offered by the College of Pharmacy at the University of Manitoba; and
- (2) have achieved a minimum degree grade point average of 3.0.

The selection committee will be the College of Pharmacy Professional Awards Committee.

The selection committee will have the discretion to determine the number and value of scholarships offered each year based on the available funds, as outlined in the criteria above.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Lieutenant Governor's Gold Medal in Agriculture

A gold medal, the gift of the Lieutenant Governor of Manitoba, is awarded each year to a graduating student in the Faculty of Agricultural and Food Sciences at the University of Manitoba. The Medal will be awarded to students who demonstrate excellence in scholarship, community service or engagement, and leadership. Each year, the medal will be awarded to a graduating student who:

- (1) has completed the requirements for any undergraduate degree program in the Faculty of Agricultural and Food Sciences;
- (2) has achieved a minimum degree grade point average of 3.5; and
- (3) has demonstrated leadership and community service or engagement in extra-curricular activities such as sports, student councils, or community service while working on their degree.

Candidates will be required to submit: (i) a brief statement (maximum 250 words) describing how they have met criterion (3), and (ii) a minimum of one letter of reference that confirms their participation in one or more of the activities described in criterion (3).

The selection committee for this award will be the Faculty of Agricultural and Food Sciences Awards Committee.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

Moffat Family Scholarship in Canadian Social History

A scholarship has been created by the Moffat family through the Centennial Institute at The Winnipeg Foundation to support students in the Joint Master's Program in the Department of History at the University of Manitoba who are studying the social history of Canada. Each year, beginning in 2021-2022, one scholarship valued at \$7,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the second year of study in the Joint Master's Program in the Department of History;

- (2) has achieved a minimum grade point average of 3.0 based on the last 60 credit hours (or equivalent) of study; and
- (3) is conducting research related to Canada's social history.

Applicants will be required to submit: (i) a description of their proposed major research paper, thesis, or comprehensive exam/course work related to how Canadian society has evolved from the perspective of social history, generally defined as the movements, the institutions and the individual Canadians that have worked to achieve greater equity and social justice; (ii) a current *curriculum vitae*; and (iii) a copy of their transcript.

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Joint Discipline Committee in the Department of History to name the selection committee for this award.

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Any future modifications that may be necessary due to changed conditions will require complete consultation with the Winnipeg Foundation.

Mr. and Mrs. Wing Kwun Kwan Bursary

In memory of Mr. and Mrs. Wing Kwun Kwan, their family established an endowment fund at the University of Manitoba with a gift of \$75,000 in 2021. The purpose of the fund is to support undergraduate students pursuing studies in the Faculty of Science. When funds are available, the Manitoba Scholarship and Bursary Initiative may make a contribution to the bursary. Each year, beginning in 2022-2023, the available annual income from the fund will be used to offer three bursaries of equal value to undergraduate students who:

- (1) are enrolled full-time (minimum 60% course load) in the first year of study in the Faculty of Science in any degree program;
- (2) have been admitted to the Faculty of Science via Direct Entry; and
- (3) have demonstrated financial need on the standard University of Manitoba bursary application form.

The bursary is renewable for one year, provided that the recipient:

- (a) enrolls full-time (minimum 60% course load) in the Faculty of Science in the next ensuing academic year;
- (b) achieves a minimum degree grade point average of 2.5; and
- (c) continues to demonstrate financial need on the standard University of Manitoba bursary application form.

Only three students can hold the Mr. and Mrs. Wing Kwun Kwan Bursary in any given year.

The Dean of the Faculty of Science (or designate) will name the selection committee for this award.

This agreement may be amended by the mutual consent of the donor (or designate) and the University of Manitoba. All such amendments shall be in writing. In the absence of the donor (or designate), and providing all reasonable efforts have been made to consult, the Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Such modification shall conform as closely as possible to the expressed intention of the donor in establishing the award.

W.L. Morton Manitoba History Scholarship

A scholarship fund was created through The Winnipeg Foundation in honour of W.L. Morton, who was a highly respected historian who wrote extensively about Canadian and Manitoba history. This award has been created by the Province of Manitoba in celebration of its 150th anniversary on May 12, 2020. This

scholarship will reward a student at the University of Manitoba who is a Manitoba high school graduate and is now conducting research into the history of Manitoba or an element of Canadian history that relates to Manitoba. Each year, beginning in 2020-2021, one scholarship valued at \$7,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the first or second year of study in the Joint Master's Program in the Department of History;
- (2) has achieved a minimum grade point average of 3.0 based on the last 60 credit hours (or equivalent) of study;
- (3) is a graduate of a high school located in Manitoba; and
- (4) is conducting research into the history of Manitoba or an element of Canadian history that relates to Manitoba.

Applicants will be required to submit: (i) a description of their proposed major research paper, thesis, or comprehensive exam/course work related to the history of Manitoba or an element of Canadian history that relates to Manitoba, (ii) a statement outlining which high school they graduated from; (iii) a current *curriculum vitae*; and (iv) a copy of their transcript.

In the event that there are no candidates who meet criterion (3) the award can be offered to a student who meets criteria (1), (2) and (4).

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Joint Discipline Committee in the Department of History to name the selection committee for this award.

The Board of Governors of the University of Manitoba has the right to modify the terms of this award if, because of changed conditions, it becomes necessary to do so. Any future modifications that may be necessary due to changed conditions will require complete consultation with The Winnipeg Foundation.

2. AMENDMENTS

Bellan Prize

The following amendments were made to the terms of reference for the **Bellan Prize**

- The preamble was revised to:
Dr. Paul Bellan offers a prize in his family name at the University of Manitoba in the Department of Physics. Dr. Bellan is a Professor of Applied Physics at the California Institute of Technology and his father, Dr. Ruben Bellan, is a Professor Emeritus in the Department of Economics at St. John's College. Each year, one prize valued at \$500 will be offered to an undergraduate student who:
- The numbered criteria were revised to:
 - (1) *was enrolled full-time (minimum 80% course load) in the Honours program in the Department of Physics and Astronomy in the Faculty of Science in the year in which the award was tenable;*
 - (2) *has achieved a minimum degree grade point average of 3.5; and*
 - (3) *achieved the highest final grade in the course Electro and Magnetostatic Theory (currently numbered PHYS 3630).*
- The tiebreaking paragraphs was added:
Ties are to be broken using the following criteria, in priority order: (i) the Degree Grade Point Average, calculated to the fourth decimal place; (ii) the higher proportion of A+ and A grades in

a total program; (iii) the highest number of credit hours completed in the degree program; (iv) the greater proportion of senior- or advanced-level courses in the total program.

- The selection committee paragraph was revised to:
The selection committee will be named by the Head of the Department of Physics and Astronomy.
- The standard Board of Governors statement was added.

Cecil C. Richards Memorial Award

The following amendments were made to the terms of reference for the **Cecil C. Richards Memorial Award**.

- The preamble was revised to:
Through the bequest of Cecil Clarence Richards, R.C.A., an endowment fund was established at the University of Manitoba in 1982 to found the Cecil C. Richards Memorial Award. The purpose of the scholarship is to reward the academic achievements of students in the School of Art at the University of Manitoba with a focus on sculpture. Each year, one or more scholarships will be offered to undergraduate students who:
- The numbered criteria were revised to:
 - (1) are enrolled full-time (minimum 80% course load) in the third or fourth year of study in the Bachelor of Fine Arts (Honours) program;*
 - (2) have achieved a minimum degree grade point average of 3.0; and*
 - (3) in the opinion of the selection committee, have a sound background in sculpture.*
- The following paragraphs were added:
Candidates are required to submit a portfolio in order to demonstrate how they meet criterion (3).
The selection committee will have the discretion to determine the number and value of awards offered each year as outlined above, based on the available annual income from the fund.
- The selection committee paragraph was revised to:
The Director of the School of Art (or designate) will name the selection committee for this award.
- The standard Board of Governors statement was added.

Dr. James Burns Awards in History

The following amendments were made to the terms of reference for the **Dr. James Burns Awards in History**:

- The preamble was revised to:
Through a generous gift from Dr. James Burns and a contribution from the Manitoba Scholarship and Bursary Initiative, an endowment fund was established at the University of Manitoba in 2003 to reward the academic achievement of graduate students who study History. These awards were established in the 125th anniversary year of the University of Manitoba. Each year, the annual available income of the fund will be used to offer scholarships in the following categories:

- The following categories were revised as follows:

I. Doctoral Scholarship

Each year, one scholarship (#44705) valued at \$20,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the first year of study in the Ph.D. program offered by the Department of History; and*
- (2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study.*

This scholarship will be renewable for up to three subsequent years provided that the recipient maintains a minimum grade point average of 3.5 in the Ph.D. program offered by the Department of History and is deemed to have made satisfactory progress each year.

This scholarship may only be held by one student each year. If a renewal offer is made, no new offer will be available.

In the event that there is no eligible first year candidate, a non-renewable scholarship (#44706) may be awarded to a candidate enrolled full-time in the Faculty of Graduate Studies in the Ph.D. program offered by the Department of History who meets criterion (2).

The Dr. James Burns Awards in History - Doctoral Scholarship may not be held in conjunction with any other doctoral scholarship or fellowship of equal or greater value.

II. Master's Scholarships

Each year, one scholarship (#44707) valued at \$14,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the first year of study in the Joint Master's Program offered by the Department of History; and*
- (2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study.*

Each year, one scholarship (#47445) valued at \$8,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the first year of study offered by the Joint Master's Program in the Department of History; and*
- (2) has achieved a minimum grade point average of 3.0 based on the last 60 credit hours (or equivalent) of study.*

The Dr. James Burns Awards in History - Master's Scholarships are not renewable and a student may only hold it once. These awards may not be held in conjunction with any other Master's scholarship or fellowship of equal or greater value.

III. Doctoral Completion Scholarship

Each year, one scholarship (#47446) valued at \$8,000 will be offered to a graduate student who:

- (1) is enrolled full-time in the Faculty of Graduate Studies in the fourth year of study or higher in the Ph.D. program offered by the Department of History;*
- (2) has achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study;*
- (3) has passed the Candidacy Exam;*

- (4) *has satisfied all other degree requirements (e.g. language requirements) except for the submission of the dissertation for examination (currently numbered GRAD 7000); and*
- (5) *expects to complete and submit the Ph.D. dissertation in the academic session in which this scholarship is tenable, normally within four to six months following the date of scholarship.*

In the event that there is no eligible Ph.D. candidate for the Doctoral Completion Scholarship, the funds may be used to award an additional first year Ph.D. student the Doctoral Scholarship (#44706), or an additional first year Master's student the Master's Scholarships (#44707).

The Dr. James Burns Awards in History - Doctoral Completion Scholarship is not renewable and a student may hold it only once.

IV. Research and Travel Award

The purpose of the Research and Travel Award is to assist with expenses such as research materials, data access, or to support travel to archives outside of Winnipeg. Each year, one or more scholarships (#44947) with a maximum value of \$3,000 each will be offered to graduate students who:

- (1) *are enrolled full-time in the Faculty of Graduate Studies in any year of the Joint Master's Program or Ph.D. program in the Department of History;*
- (2) *have achieved a minimum grade point average of 3.5 based on the last 60 credit hours (or equivalent) of study; and*
- (3) *submit a research and expense plan (maximum 250 words) to the Department of History which clearly outlines the proposed research, the intended use of the funds, and an estimate of the costs involved.*

The selection committee will have the discretion to determine the number and value of Research and Travel Awards offered each year based on the available annual income from the fund.

- The selection committee paragraph was revised to:

The Vice-Provost (Graduate Education) and Dean of the Faculty of Graduate Studies (or designate) will ask the Head of the Department of History (or designate) to name the selection committee for these awards.

- The standard Board of Governors statement was added.

Helga Miller Scholarship

The following amendments were made to the terms of reference for the **Helga Miller Scholarship**:

- The preamble was revised to:

The family of Helga Miller (B.A./'32, B.Ed./'60) established an endowment fund in her honour with a gift of \$9,000 to the University of Manitoba in 1996. The Manitoba Scholarship and Bursary Initiative made a contribution to this fund. Helga Miller also received a diploma from the Winnipeg School of Art in 1935 and a B.A.(Hons) degree in children's literature from the University of Winnipeg. She was an artist who was also an art teacher and a school librarian in Winnipeg for many years, and she encouraged her students to develop a lasting interest in both art and literature. The purpose of the fund is to reward the academic achievements of students in the Bachelor of Fine Arts program with a focus on drawing and/or watercolour painting. Each

year, the available annual income from the award will be offered to one or more undergraduate students who:

- The numbered criteria were revised to:
 - (1) are enrolled full-time (minimum 80% course load) in any year of study in the Bachelor of Fine Arts program offered through the School of Art;*
 - (2) have achieved a minimum degree grade point average of 3.5; and*
 - (3) have a focus on drawing and/or watercolour painting.*
- The following paragraphs were added:

Candidates are required to submit a portfolio in order to demonstrate how they meet criterion (3).

The selection committee will have the discretion to determine the number and value of awards offered each year as outlined above, based on the available annual income from the fund.
- The selection committee paragraph was revised to:

The selection committee will be named by the Director of the School of Art (or designate).
- The standard Board of Governors statement was added.

James Walker Wood, M.D. Convocation Prize in Family Medicine

The following amendments were made to the terms of reference for the **James Walker Wood, M.D. Convocation Prize in Family Medicine**

- The preamble was revised to:

In recognition of Dr. Walker Wood's commitment and contributions to the practice of family medicine, the Walker Wood Foundation initially provided an annual contribution of \$5,000 to the University of Manitoba starting in 2014-2015 for a four-year term. The funds will be used to provide a prize to a student who has demonstrated excellence in his or her performance during the Family Medicine rotation and has been accepted to post-graduate resident training. The donor has renewed their commitment for an additional five-year term. Each year, beginning in the 2018-2019 academic year, two prizes valued at \$5,000 will be offered to students who:
- The numbered criteria were revised to:
 - (1) are Canadian citizens or Permanent Residents;*
 - (2) have completed the requirements for the Doctor of Medicine (M.D.) degree in the Max Rady College of Medicine at the University of Manitoba;*
 - (3) have demonstrated leadership qualities and involvement in extra-curricular activities such as: medical research, community participation, music, drama, etc.;*
 - (4) have demonstrated interest and leadership in the field of family medicine which could include participation in the Home For The Summer program, the Northern Summer Student Work Program, rural family medicine interest groups, etc.;*
 - (5) have excelled in core and elective Family Medicine rotations; and*
 - (6) have been accepted into a Family Medicine residency training program in Postgraduate Medical Education at the University of Manitoba.*

Orlukiewicz Family Bursary

The following amendments were made to the terms of reference for the **Orlukiewicz Family Bursary**:

- The preamble was revised to:
In memory of Peter Orlukiewicz, the Orlukiewicz family (Tom, Heather, Daniel, Brian, Paul, Jean Orlukiewicz and George Orle) established an endowment fund at the University of Manitoba with an initial gift of \$10,400 in 2010. The Manitoba Scholarship and Bursary Initiative made a contribution to the fund. Each year, the available annual income from the fund will be used to offer two or more bursaries to undergraduate students who:
- The numbered criteria were revised to:
 - (1) are enrolled full-time in the second year of study, in any faculty, college, or school at the University of Manitoba;*
 - (2) have achieved a minimum degree grade point average of 2.0;*
 - (3) are custodial parents with a dependent child or children; and*
 - (4) have demonstrated financial need on the standard University of Manitoba bursary application form.*
- In the 3rd paragraph, *available revenue* was changed to *available annual income*.
- The standard Board of Governors statement was updated.

The Rosabelle Searle Leach Scholarship

The following amendments were made to the terms of reference for **The Rosabelle Searle Leach Scholarship**:

- The preamble was revised to:
Through a bequest by Rosabelle Searle Leach, an endowment fund was established at the University of Manitoba in 1955. The purpose of the fund is to reward students with the highest standing in their first year of study in the Faculty of Arts and the Faculty of Science at the University of Manitoba.
Each year, 50% of the available annual income from the fund will be used to offer one scholarship to an undergraduate student who:
- The numbered criteria were revised to:
 - (1) is enrolled full-time (minimum 80% course load) in the second year of study in the Faculty of Arts;*
 - (2) has completed minimum of 24 credit hours in the Faculty of Arts;*
 - (3) has achieved a minimum degree grade point average of 3.0; and*
 - (4) has achieved the highest standing in the Faculty of Arts in their first year of study.**Each year, 50% of the available annual income from the fund will be used to offer one scholarship to an undergraduate student who:*
 - (1) is enrolled full-time (minimum 80% course load) in the second year of study in the Faculty of Science;*
 - (2) has completed minimum of 24 credit hours in the Faculty of Science;*
 - (3) has achieved a minimum degree grade point average of 3.0; and*

(4) has achieved the highest standing in the Faculty of Science in their first year of study.

- The selection committee paragraph was revised to:

The Dean of the Faculty of Arts and the Dean of the Faculty of Science will name the selection committees for their respective awards.

- The standard Board of Governors statement was added.

3. WITHDRAWALS

Archie Nunn Award

At the request of the donor

BioVision Seed Labs Scholarship

At the request of the donor

Bourse Fernand-Marion

At the request of the donor

Bourse Gabrielle-Roy

At the request of the donor

Bourse Lionel-Fr chette

At the request of the donor

Karen (Kowbel) Hudson Memorial Scholarship in Physiotherapy

At the request of the donor

Peterson Family Scholarship

At the request of the donor

Women's Basketball Alumni Scholarship

At the request of the donor



AGENDA ITEM:

Proposal to Change the Name of the Department of Geological Sciences, Clayton H. Riddell Faculty of Environment, Earth, and Resources

RECOMMENDED RESOLUTION:

THAT the Board of Governors approve a proposal to change the name of the Department of Geological Sciences, in the Clayton H. Riddell Faculty of Environment, Earth, and Resources, to the "Department of Earth Sciences," effective July 1, 2021 [as recommended by Senate, April 7, 2021].

CONTEXT AND BACKGROUND:

- The Department of Geological Sciences, in the Clayton H. Riddell Faculty of Environment, Earth, and Resources, is proposing to change the name of the unit to the "Department of Earth Sciences."
- The proposed name would better reflect the breadth of teaching and research carried out by faculty members in the Department. Specifically, it would be reflective of the broader concept of Earth system science, which, beyond the traditional study of rocks and near-surface strata (geology) and seismology (geophysics), also encompasses the study of past and present processes and solutions related to environmental degradation and climate change.
- Other rationale for changing the name to the "Department of Earth Sciences" include that it:
 - offers a direct association with name of the Faculty in which the Department is housed;
 - would better communicate, to students, funding agencies, and the public, the Department's contributions to research and discussions concerning environmental issues of primary concern for society, broadly;
 - is consistent with the naming of similar departments at other postsecondary institutions in Canada and internationally;
 - reflects the versatility of academic programming offered by the Department, which can prepare graduates for employment in various sectors and not only those that are reliant on a resource economy.

RESOURCE REQUIREMENTS:

N/A

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

N/A

IMPLICATIONS:

The proposed name would better reflect the breadth of teaching and research carried out by faculty members in the Department.

ALTERNATIVES:

N/A

CONSULTATION:

A proposal to change the name of the Department of Geological Sciences to the “Department of Earth Sciences was endorsed by the Faculty Council of the Clayton H. Riddell Faculty of Environment, Earth, and Resources, on January 25, 2021, and by the Senate Executive Committee, on March 24, 2021. The proposal was considered and recommended by Senate on April 7, 2021.

ROUTING TO THE BOARD OF GOVERNORS:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Faculty Council of the Faculty of Environment, Earth, and Resources	January 25, 2021
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Senate Executive	March 24, 2021
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Senate	April 7, 2021
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

SUBMISSION PREPARED BY: University Secretary on behalf of Senate

ATTACHMENTS:

Report of the Faculty Council of the Clayton H. Riddell Faculty of Environment, Earth, and Resources concerning a proposal to Change the Name of the Department of Geological Sciences to the Department of Earth Sciences



**University
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**Clayton H. Riddell Faculty of
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March 15th, 2021

Proposal: Name Change from Department of Geological Sciences to Department of Earth Sciences

The Department of Geological Sciences is proposing to change its name to Department of Earth Sciences to reflect both the breadth of research and teaching as well as the developing synergies between the diverse groups within the Faculty. Overall, the name change demonstrates the strong engagement of the Faculty in addition to the University of Manitoba's ability to tackle the relevant and essential questions about the planet Earth.

In 1996, Barnes et al. argued the case for Earth Sciences in Canada by pointing out the special importance of a country with the second-largest area, the longest coastline, fronts into three oceans with approximately one-third of its territory beneath the sea, and polar to semi-arid environments. The concept of Earth System Science has emerged as a more natural, united way of studying the past and present processes on Earth. The dramatic rise in the human population, resource consumption and environmental degradation, when coupled to socio-economic concerns, and the concept of sustainable development, have redefined the earth sciences' contribution to society. In particular, there is a need to assess and predict the consequences of anthropogenic forcing on natural earth systems.

The proposed name change will support the effort of the Department to reflect the modernization of the science and better represent the teaching offered and research conducted, making it a more transparent fit for the student body, the public and funding bodies. The name change also reflects similar renaming by other Canadian, American and European institutions. Internally we discussed whether the Department should follow this trend as we are well aware of the history and established roots of Geology. However, seeing many students may not understand the full concept of the term "geology," the name change may allow students a better grasp of the discipline. A focus of the discipline of Geological Sciences within a systems approach will make important and more realistic connections for our students and the public more generally.

The transition from high school, where most geology courses are called Earth Sciences courses, to university would be more apparent and straightforward.

This broadening of Geological research and teaching have contributed to a system approach to what we do; it does not omit anything already being done—all the more important to keep what we do and make these links.

As Earth scientists, we can:

- contribute to environmental issues by changing the way Geology and Earth Sciences is perceived, away from the 'dirty polluter' to 'a provider of resources and environmental guardian,'
- influence thinking and behavior towards environmentally-responsible resource extraction management,
- facilitate the development of geological studies and establish guidelines that fit better with the social situation of our environment and territorial management and risk prevention.

Changing the name to the Department of Earth Sciences is advantageous for several reasons:

- offers a direct association of the Department with the name of the Faculty
- more accurately represents our faculty research and teaching - and future degree programs
- demonstrates our ability to contribute to environmental issues at the forefront of society
- aligns us with other Departments across the country and internationally
- demonstrates our programs are versatile: our students can be placed in a myriad of professions
(e.g. banking, politics) that are not reliant on a resource economy

In summary, the study of the Earth has broadened well beyond the traditional study of rocks and near-surface strata (Geology) and seismology (Geophysics). The field now encompasses the study of processes and solutions, environmental degradation, and climate change.

Consequently, the name change will reflect the growing diversity of the questions that our Faculty ask and answer about the dynamics and physics of the Earth and guide policymakers and citizens worldwide to understand better what the future holds for industrial society. It will allow our undergraduate and graduate students to take their place as active members of the industries, governments and non-governmental organizations leading the way forward as our Earth evolves into the Anthropocene.

The name change discussion was initiated within the Faculty a few years ago, and Prof. Camacho has ensured the Department is comfortable with the new name. On a departmental level and in faculty council (January 25th, 2021), the name change was agreed upon. This name change underscores the urgency and importance of Earth Sciences at the University of Manitoba and in today's society.

As Dean of the Clayton H. Riddell Faculty of Environment, Earth, and Resources the name change accurately reflects the growing diversity of the questions that my Faculty asks and answers about the dynamics and physics of mother Earth and it underlines the excellent work this Department is doing to support the future of life on this planet. The renamed Department of Earth Sciences will solve geological questions by linking the present to the past.

Yours sincerely,



Dr. Stephan Pflugmacher Lima
Dean



**University
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Department of Geological Sciences

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October 20, 2020

Proposal: Name Change from Department Geological Sciences to Department of Earth Sciences

Remember the 1970's? Plate tectonics, new analytical techniques and advanced computing techniques heralded a revolution in geology (Barnes and Palmer 1976). In the same article Barnes and Palmer argued that geology had become conservative in its teaching and that new large-scale projects along with new mapping techniques led mainly by geophysics and remote sensing at the time were difficult to integrate in to existing geological curricula. Hard to imagine now given with what LITHOPROBE contributed and what we see around the Wallace Building. Our students get hands on-experience with the leading analytical equipment available and they are confronting some of the most complex questions being asked about how our Earth works.

About twenty years later in "Future Challenges and Trends in the Geosciences in Canada" Barnes et al. (1996) argued the case for Earth Sciences:

"The earth sciences must be of special importance to a country that has the second largest area, the longest coastline, fronts onto three oceans with one third of its territory beneath the sea, and embraces polar to semi-arid environments".

They went on to say this:

"The earth sciences are currently in a state of radical change. The last decade has seen a paradigm shift from studying our planet as discrete components to adopting an integrated systems approach. The concept of Earth System Science has emerged as a more natural united way of studying the past and present processes on Earth. The dramatic rise in human population, resource consumption and environmental degradation, when coupled to socio-economic concerns and the concept of sustainable development, have redefined the contribution of the earth sciences to

society. In particular, there is a need to assess and predict the consequences of anthropogenic forcing on natural earth systems.”

That was 26 years ago. Nearly 250 years ago, Hutton talked about the concepts of “mineral system”, system of this earth, “system of decay and renovation”, system of mineral economy” and system of animal life”.

Many of us graduated from programs in geology borne of the 1960’s and 1970’s. We need to ask ourselves what does the present-day student see and aspire to in this area of academic endeavour? Environmental degradation and climate change have driven a sustained surge in popular environmentalism; as a result, public perception of geologists tends to be rather poor. Despite consuming enormous resources, public perception is easily influenced by images of rusty tailings, or a failed tailings dam, or the persistent and ubiquitous images of cooling stacks emitting water vapour. A focus of the discipline of Geological Sciences within a systems approach will make important and more realistic connections for our students and the public more generally.

Consequently, we need to change the perception of our profession by developing new strategies to engage the public. Changing our language and brand can be part of active strategies to bring about change. The Department of Geological Sciences over its history has undergone several name changes, primarily as a consequence of broadening the fields by new hires. This broadening has contributed more and more to a systems approach to what we do, it does not leave anything out that we already do. All the more important to keep what we do and make the links.

As Earth scientists we can:

- contribute to environmental issues by changing the way geology and Earth science is perceived, away from the ‘dirty polluter’ to ‘a provider of resources and environmental guardian’
- influence thinking and behaviour towards environmentally-responsible resource extraction management,
- facilitate the development of geological studies and the establishment of guidelines that fit better with the social situation of our environment, as well as with territorial management and risk prevention.

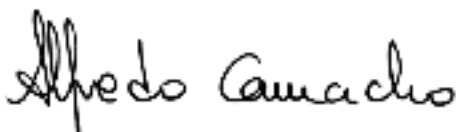
Changing the name to the Department of Earth Sciences is advantageous for several reasons:

- there will be a direct association of the Department with the name of the Faculty

- is a more accurate representation of our faculty research and teaching, and future degree programs
- demonstrates our ability to contribute to environmental issues at the forefront of society
- aligns us with other Departments across the country and overseas
- shows our programs are versatile: our students can be placed in a myriad of professions (e.g. banking, politics) and are not reliant on a resource economy

In summary, the study of Earth has broadened well beyond the traditional study of rocks and near-surface strata (geology) and seismology (geophysics). The field now encompasses the study of processes and solutions related to environmental degradation and climate change. Consequently, the name change will reflect the growing diversity of the questions that our faculty ask and answer about the dynamics and physics of the Earth, and guide policymakers and citizens worldwide to seek a better understanding of what the future holds for industrial society. It will allow our undergraduate and graduate students to take their place as active members of the industries, governments and non-governmental organizations that are leading the way forward as our earth evolves into the Anthropocene.

Sincerely,



Alfredo Camacho
Head, Department Geological Sciences
Faculty of Environment, Earth, and Resources
University of Manitoba

References

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Barnes, C.R., Bornhold, B.D., Mayer, L.L., McIlreath, I.A., Skinner, B.J., VanDine, D. and Wallis, R. 1996. Future challenges and trends in the Geosciences in Canada. *Geoscience Canada*, **22**, 1-4.

PRESIDENT'S REPORT: April 20, 2021

GENERAL

In a landmark acknowledgment of the growing health-care autonomy of Indigenous Peoples, the federal government has given Ongomiizwin, the Indigenous Institute of Health and Healing at UM, responsibility for leading the COVID-19 vaccination project in all 63 Manitoba First Nations. The vaccine rollout is being implemented in partnership with First Nations organizations, the federal government's First Nations and Inuit Health Branch, Shared Health (Manitoba), the Canadian Armed Forces and the Canadian Red Cross.

The winter edition of [ResearchLIFE magazine is available online](#). This issue highlights the many ways that researchers accelerated the development, testing and implementation of measures to mitigate the spread of COVID-19 and its impacts on people, communities and health systems. *Feature stories are:*

- [Hip to heparin](#) - A UM research team is emerging as a global leader in COVID-19 anticoagulation trials thanks to their innovative, global trial studying different types of heparin, an anticoagulant (blood thinning) and anti-inflammatory drug
- [On the wing](#) - How birds changed their migrations during lockdowns
- [Pandemic fallout](#) - Newcomers and Indigenous people shoulder heavier burden
- [Preventing unintended disaster](#) - A UM team is starting a novel study to see if our cautionary measures are enabling a disaster somewhere else

To honour the International Day for the Elimination of Racial Discrimination on March 21, workshops were held on the topics of Dismantling Racism; and on Equity, Diversity and Inclusion in Research: What You Need to Know. Staff were invited to be part of the UM Community of Practice Equity, Diversity and Inclusion (EDI). At these meetings, EDI best practices were explored, guest speakers were invited for specific topics of interest, and group discussions around difficult issues were facilitated.

The University of Manitoba's 2021 Sustainability Day consisted of a full day virtual program that was open to UM students, staff, faculty and external partners. The theme of the event was Take Action for the UN Sustainable Development Goals (SDGs), and included 16 presentations, 221 participants logged in to join, and an average of 52 participants watching presentations at any given time throughout the day. A full recording of the event will be available through the event webpage for one year. At the same time, the University of Manitoba (UM) has hired Sustainable Solutions Group (SSG) to develop a Climate Action Plan, including carbon emission targets aimed at achieving emissions neutrality by 2050. To date, UM has provided SSG with all necessary data to create a business-as-planned analysis for UM, followed by suggested options to reach carbon neutrality by 2050. Campus-wide engagement will begin as soon as May 1.

The annual Board of Governors alumni representative election runs April 14-May 14. There are eleven candidates running in this election – five nominated by the Alumni Association Board of Directors and six nominated by alumni. Through this process, UM alumni elect fellow graduates to serve on three of the 23 University of Manitoba Board of Governors positions. Alumni elected to serve on the Board of Governors may do so for a maximum of three consecutive three-year terms. One of these term positions is ending.

ACADEMIC MATTERS

- Francis Amara, biochemistry and medical genetics in the Max Rady College of Medicine, will be honoured with a Certificate of Merit Award from the Canadian Association for Medical Education, recognizing his significant contribution to medical education. Amara is a scholar of teaching and learning whose research looks at curriculum development and teaching methods. He is an advocate for medical education that is firmly grounded in current scientific knowledge.
- Dr. Amine Choukou, occupational therapy, has been awarded the Gerry McDole Professorship. The professorship, funded by AstraZeneca Canada, supports deserving new academic faculty members in the Rady Faculty of Health Sciences, for research in health service delivery and/or health policy development with the goal to improving the delivery of healthcare services to rural, remote and underserved populations of Manitoba.
- Lisa Diamond-Burchuk, occupational therapy and Jared Bullard, pediatrics/child health and medical microbiology/infectious diseases were honoured with the 2020 CPD Educator of the Year Awards by the Office of Continuing Competency and Assessment in the Rady Faculty of Health Sciences. The awards recognize exemplary service in continuing professional development.
- Reagan Croy, student, occupational therapy, was named to the Honour 150 list by Manitoba 150. It recognizes dedicated Manitoba volunteers who were nominated by their communities. Reagan Croy was honoured for her volunteer coaching work with Special Olympics athletes.
- Tressa Alexiuk, student with Joyce Slater, human nutritional sciences has been awarded the Dr. Elizabeth Award for Technical Writing from the Canadian Home Economics Foundation. The award is presented annually to a graduate student from Faculties, Departments or Programs of Home Economics, Family and Consumer Studies/Sciences, Human Ecology, Foods, Dietetics and Nutrition, Clothing and Textiles, and home economics/human ecology/family studies Education.
- Grace Han, alumna, School of Art received an Emerging Artist Award from NCECA (National Council on Education for the Ceramic Arts). This is bestowed to six emerging artists in the ceramic field every year and is a highly prestigious international award that includes a presentation and an exhibition at the NCECA conference.
- Jocelyn Gould, alumna, Faculty of Music, was nominated for a JUNO Award for Jazz Album of the Year.
- Lori Blondeau, School of Art was awarded a Governor General's Award in Visual and Media Arts. The Awards funded by the Canada Council for the Arts are given each year to recognize outstanding contribution to the fields of visual and media arts.
- Wouter Deconinck, Physics and Astronomy, is the recipient of the 2021 UM Sustainability Award for Faculty. This award recognizes efforts on campus for, exceptional and continuous integration of sustainability into teaching, research and engagement activities.
- Jayanne English, Physics and Astronomy is the recipient of the 2021 Qilak Award. The Qilak Award for Astronomy Outreach and Communication recognizes individual Canadian residents, or teams of

residents, who have made an outstanding contribution either to the public understanding and appreciation of astronomy in Canada or to informal astronomy education in Canada.

- Dr. English was also awarded a 2nd Place National Radio Astronomy Observatory 2020 Visualization Award for her stunning composite HST-VLA image of the galaxy NGC 5775. In collaboration with composer Nicole Lizée, she produced "Colliding Galaxies: Colours and Tones", a unique integration of astronomy and electronic music. By designing and teaching courses such as "The Art of Scientific Visualization", Dr. English has also trained a next generation of astronomical visualization experts, guaranteeing that her work will have a multiplicative effect on the broader community.
- Anima Sharma, graduate student, Science working with D. Gerald Gwinner, physics & astronomy, won first prize for best student presentation at the annual Canadian Winter Nuclear and Particle Physics Conference.
- Melanie Lalonde, graduate student, working with Jeffrey Marcus, biological sciences, won the 2020 Graduate Student Scholarship award from the Entomological Society of Manitoba. Student recipients of the Entomological Society of Manitoba Graduate Student Scholarship must exhibit superior scholastic ability, high research potential and excellent communication skills.
- Matt Thorstensen, graduate student, working with Ken Jeffries, biological sciences was awarded the International Association for Great Lakes Research (IAGLR) Scholarship. The scholarship is awarded annually to a promising Ph.D. student whose dissertation research is likely to make a significant contribution to the understanding of large lakes.
- Chris Manchur, MSc student in Biological Sciences, was a contest winner of the 2021 Sustainability of Canadian Agriculture Conference Video Competition and also received the People's Choice Award for his video. Chris Manchur is supervised by Dr. Steve Whyard and Dr. Mark Belmonte.
- On March 29th The Decolonizing Lens presents free online screenings of Nappy Hair and an Eagle Feather and Au Fantôme du Père (To the Ghost of the Father). The film screenings will be followed by interviews with filmmakers Adeline Bird and Marie Laurentine Bayala.
- The Decolonizing Lens is a monthly film series co-organized by Jocelyn Thorpe (Women's & Gender Studies) and Kaila Johnston (National Centre for Truth and Reconciliation) that brings together Indigenous filmmakers, their films, and their audiences. The series is being sponsored by the Margaret Laurence Endowment Fund, Women's & Gender Studies, and the National Centre for Truth and Reconciliation. This month's series is also being supported by the African Movie Festival in Manitoba.
- The Glenlea Research Station team was recognized as producer number three for their excellence, in dairy. Each year, Lactanet, a Canadian network for dairy excellence, recognizes the top 25 dairy producers in the country. Through this process it also identifies the top three dairy producers in each province.

RESEARCH MATTERS

- At this time, research at the University of Manitoba (UM) is continuing within in the labs as well as remotely to the extent possible in compliance with the provincial Public Health Guidelines. Details on the current COVID-19 guiding principles, processes for requesting access and preventative measures are available in the updated [Researcher FAQs section of the COVID-19 webpage](#).
- On March 3, the Canada Foundation for Innovation announced \$4.7 million in funding to two University of Manitoba projects involving national and international teams supported by Innovation Fund grants. They are:
 - Raymond Frogner received \$2,411,773 for the project: "[NCTR Digital Architecture](#)." This project implements the NCTR's digital architecture. It will enable advanced discovery and access of digital archival records to promote innovative research meaningful to Indigenous communities and Survivors.
 - Drs. Michael Gericke and Juliette Mammei received \$2,336,900 for the project: "[The MOLLER Detector: Expanding our understanding of matter in the universe with a new, precision electron detector](#)." This project will enable experiments that aim to measure the interaction properties between pairs of electrons down to separation distances of zeptometers, which is roughly a million times smaller than the size of the smallest atomic nucleus, to unprecedented accuracy.
- On March 9, Genome Canada announced \$2.1 million in funding to set up the [Canadian Prairie Metabolic Network](#) (CPMN), to ensure the timely and more cost-effective delivery of innovative and relevant genomic testing in the Prairies. The project lead is Distinguished Professor Dr. Cheryl Rockman-Greenberg (Pediatrics and Child Health; Biochemistry and Medical Genetics/Children's Hospital Research Institute of Manitoba) with Petr Kresta, Chief Operating Officer, Diagnostic Services, Shared Health and partners at [Genome Prairie](#) and [Genome Alberta](#). Rockman-Greenberg is an internationally known researcher who has identified the molecular source of some of Manitoba's most devastating inherited diseases.
- Thirty-four research projects led by twelve investigators received a total of \$2,107,815 in grant funding from a variety of sponsors. Those projects receiving more than \$25,000 are:

PI	Sponsor	Title	Awarded
Farenhorst, Annemieke (Soil Science)	SSHRC New Frontiers Research Fund	Renewable feather keratin based advanced functional materials: nano-reinforced, biomimetically modified keratin polymer blends as wound healing material	\$46,634
Jeffrey, Ian (Electrical and Computer Engineering)	Mitacs Accelerate	An integrated software suite for rail condition analysis using machine learning	\$30,000
Jiang, Changmin (Supply Chain Management)	SSHRC Connection Grant	Building resilient logistics and supply chain networks	\$25,000

Koper, Nicola (Natural Resources Institute)	Mitacs Accelerate	Ecology and conservation of grassland songbirds in the Waterton Park front area	\$60,000
Kordi, Behzad (Electrical and Computer Engineering)	Mitacs Accelerate	A novel passive wireless printed circuit board cavity sensor for the measurement of electric and magnetic fields	\$120,000
Ojo, Olanrewaju (Mechanical Engineering)	Research Manitoba	Development of post additive manufacturing treatments to enhance mechanical properties of IN718	\$149,900
Ramjiawan, Bram (Pharmacology and Therapeutics)	Research Manitoba COVID-19	Evaluation of a novel saliva based test for detection of human coronavirus	\$75,000
Rigatto, Claudio (Internal Medicine)	CIHR Project Grant - COVID-19	A pragmatic randomized controlled trial of a CKD specific telemonitoring platform to minimize adverse outcomes in high risk CKD patients	\$562,275
Shalaby, Ahmed (Civil Engineering)	NSERC Alliance Grants	Enhanced characterization of asphalt mix performance to support balanced mix design and climate-resilient sustainable pavement structures	\$141,295
Sivaramakrishnan, Subramanian (Subbu) (Marketing)	Mitacs Business Strategy Internship	Business strategy internship	\$120,000
Urquia, Marcelo (Community Health Sciences)	CIHR Fellowship	Maternal and child health consequences of child removal by Child Protective Services	\$135,000
Woodgate, Roberta (Nursing)	CIHR Project Grant - COVID-19	Making visible the life stories of families of children who are immunocompromised during COVID-19	\$358,594

ADMINISTRATIVE MATTERS

- Collection bins were distributed to both the Bannatyne and Fort Garry campuses on Monday, March 22 to collect three-ply surgical dust masks, KN95 and N95 masks in addition to other disposable personal protective equipment (PPE). These bins are only for disposable PPE shown on the bin signage and are not intended to collect reusable cloth masks. Materials created from these masks are metal sheeting, composite decking, shipping pallets and other products. The wearing of reusable masks is still recommended to minimize waste.

- An interdisciplinary design charrette will highlight and focus on the Eastern Transportation Corridor multi-use path. The charrette will engage graduate students in designing three seating and wayfinding nodes along the Saunderson Street and Dysart Road pathway segment. The students will receive guidance from a steering committee, along with the Indigenous community at UM, various faculties and critical stakeholders to help them create their design proposals and inform an overall wayfinding and interpretive signage strategy for the corridor.
- The Implementation Committee chaired by the Vice-President (Administration) is responsible for implementation of the 43 recommendations from the Path Forward Report addressing sexual violence, harassment and discrimination at UM.

The recommendations have been organized into 18 different projects in four major subject areas: training, policy and procedure, continuous improvement, and strategic planning.

As of 1 April 2021, 23 of 43 recommendations (53%) have been implemented. Highlights from this year include the creation of the Sexual Violence Resource Centre, and the alignment of the RWLE and Sexual Violence policy and procedures with the report recommendations and the issuance of the report from the Presidential Taskforce on EDI. The Implementation Committee is currently prioritizing the remaining projects for FY2021.

The Office of Human Rights and Conflict Management and the Legal Office are co-chairing the Advisory Committee on Mandatory Referrals, which will explore Recommendation #32 of the Path Forward Report, and will issue recommendations to the Path Forward Implementation Committee, including how to best implement Recommendation #32, and any modifications that may be necessary.

- The Federal Government has launched a consultation on the extension of the term of copyright from 50 years after the death of the creator to 70 years. In particular, the Federal Government has suggested three options that could apply to Libraries, Archives, and Museums to counterbalance the effect of the extension, although comment on other aspects and suggestions for the implementation of the term extension may be submitted. The Federal Government has extended the date for submissions to March 31, 2021.
- The Legal Office has been working closely with the Office of Risk Management to provide advice to the Office of the Vice-President (Research and International), and in particular to the Research Ethics Board (REB), in relation to the resumption of in-person research activities, and re-consenting of research participants. Assistance was provided to draft an informed consent form amendment that can be used by researchers and the REB.
- The Legal Office has also been working closely with the Vice-President (Research and International) and the Vice-Dean (Research) in the Rady Faculty of Health Sciences on matters related to the relationship with Shared Health as it pertains to research agreements. A first draft of a new research subsidiary agreement was prepared and recently sent to Shared Health. In addition, February continued to see a substantial increase in the number of research agreements being sent for review, negotiation and approval. In February 2020 the Legal Office received 70 research agreements, whereas 96 research agreements were received for review this February.

- The revised Signing of Agreements policy and procedure were approved by the Board of Governors at the March 23, 2021 meeting. The policy and procedure incorporate best practices from various other U15 universities, along with recommendations from the Audit Services Report on our signing processes. The revised policy and procedure are intended to create efficiencies and support UM's value of accountability.
- UM is in the process of creating a Brief and Temporary Student Absence Policy, which is intended to create a consistent mechanism for students to notify professors and instructors when they will be absent for a brief period of time, to replace the need for medical notes for brief illnesses, to create consistency in the handling of absences across faculties and classes, and to reduce demand on our medical system (by eliminating the need to obtain medical notes for brief ailments). The policy has been provided to the appropriate Unions for review and comment, and feedback is expected by early May.
- UM has been selected as one of Canada's Best Diversity Employers for 2021. This year's winners were announced on March 2 in a special magazine published in The Globe and Mail in print and online.
- An Information Services and Technology report was presented to the Board of Governors that provided an overview of the Higher Education cybersecurity landscape with particular emphasis on what was happening across Canada, as well as any impactful incidents at UM. Also described were initiatives planned to begin in the next six months or were currently underway to improve cyber security practices with emphasis on three key projects:
 - the roll out of multi-factor authentication for our virtual private network (VPN) service;
 - the continued implementation of Microsoft 365 and its improved security capabilities; and
 - the planned implementation of network segmentation across the internal UM network.

EXTERNAL RELATIONS

- For fiscal year ending March 31, 2021, total funds raised were \$29.7 M exceeding the \$28.6 M target. \$12.6 M of this total was for student support including \$926,511 specifically for pandemic relief.
- Funds were raised via 5,114 donors who included students, staff and faculty, alumni, gifts through estate, corporations and foundations who collectively made 8,969 gifts. These ranged in value from \$5 to \$3,000,000.
- The Spring 2021 Virtual Learning for Life series launches in early May with featured UM researchers and professors as speakers. This will be sponsored by UM affinity partner iA Financial Group.
- Communications from the COVID-19 Steering Committee continue to flow to the UM community – A Vaccination Awareness Campaign is scheduled for rollout in late April.
- President Benarroch continues his outreach to government partners and community.
Meetings with Provincial partners included:
 - Tracy Maconachie – Acting Deputy Minister Advanced Education, Skills and Immigration
 - Dr. Jas Atwal – Medical Officer of Health

Meetings with Federal partners included:

- NDP Caucus
- Mitch Davies – National Research Council President

Updates to the community included:

- One year of remote working and learning – Direct message to alumni, donors, students, faculty and staff/UM Today.
 - Fall term reopening- Email communication from President's office to all students, faculty and staff/UM Today.
 - Vice-President Administration Announcement – UM Today/WAAG/Social Media/News Release.
- Hosted by Chancellor Anne Mahon, the UM Alumni Book Club commenced a fifth book selected by President Michael Benarroch –*Medicine Walk* by Richard Wagamese.
 - The 2021 UM Distinguished Alumni Award nominations launched March 18 and will close on May 17 with final selections scheduled for mid-June.
 - Reader attention was notable for announcements of UM's new Indigenous leadership as well as the recently awarded funding for the National Centre for Truth and Reconciliation archives. This engagement was predominantly driven by four UM Today stories contributed by the Marketing and Communications team which were shared across a variety of digital channels. Collectively, the stories received twice as many page views than average for UM Today, and four times as many engagements than average for UM's social media.
 - UM's Sustainability Day content performed well due to a UM Today story and an event page published by the Office of Sustainability. Marketing and Communications supported the event ensuring promotion across the suite of digital UM channels.
 - During March 2021, there were 3,142 news stories in media mentioning UM: 853 of these related to COVID-19.
 - Major media coverage occurred related to UM included President Benarroch speaking via local media about fall term and future of UM. Professors Martin Scanlon, Rick Holley and Kees Plaizier (Faculty of Agricultural and Food Sciences) were featured in the Globe and Mail and on CBC Marketplace regarding "buttergate." Myrle Ballard (Natural Resources Institute) participated in a lengthy radio interview giving an Indigenous scholar's perspective on land and resource use.

☐ Approval ☒ Discussion/Advice ☐ Information**AGENDA ITEM:**

Request to Extend Suspension of Admissions to Bachelor of Science (Major) and Bachelor of Science (Honours) in Biotechnology, Faculty of Science

RECOMMENDED RESOLUTION:

For discussion / advice

CONTEXT AND BACKGROUND:

- The Board policy on *Admission Targets* specifies that it is the President who has authority to approve changes to, or the introduction of, admission targets following consultation and discussion with the dean or director, with Senate and with the Board of Governors, subject to the provisions of the provincial Programs of Study Regulation.
- The President has received a request from the Deputy Provost (Academic Planning and Programs), to extend the temporary suspension of admissions to the Bachelor of Science (Major) and Bachelor of Science (Honours) in Biotechnology programs, in the Faculty of Science, for two years.
- Admissions to the programs have been suspended since the Fall of 2018. Admissions were suspended at that time so the Faculty could conduct an internal review, to determine whether the programs could be revised, in order to revitalize and modernize them.

RESOURCE REQUIREMENTS:

N/A

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

N/A

IMPLICATIONS:

- A two-year extension to the suspension of admissions to B.Sc.(Maj.) and B.Sc.(Hons.) in Biotechnology would allow the Faculty of Science to complete its review of the programs, following recent course changes in other departments that directly impact the programs. The review will consider options to: (i) retain the current programs and curricula, (ii) retain the current programs but with revised curricula, (iii) close the programs.
- The temporary suspension of admissions to the B.Sc.(Hons.) and B.Sc.(Maj.) degrees in Biotechnology will not adversely affect students currently enrolled the programs.

ALTERNATIVES:

N/A

CONSULTATION:

The President consulted with Senate regarding the request to extend the suspension of admissions to the B.Sc.(Maj.) and B.Sc.(Hons.) in Biotechnology programs at the meeting on April 7, 2021. Senate did not raise any concerns with the request.

ROUTING TO THE BOARD OF GOVERNORS:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Senate Executive Committee	March 24, 2021
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Senate	April 7, 2021
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

SUBMISSION PREPARED BY: University Secretary on behalf of Senate

ATTACHMENTS:

- Application from the Faculty of Science for Temporary Cessation of a Program of Study, Bachelor of Science (Major) and Bachelor of Science (Honours) in Biotechnology

TEMPORARY CESSATION OF A PROGRAM OF STUDY

Under The Advanced Education Administration Act

Universities and colleges requesting approval for the **temporary cessation** of a program of study from Education and Training must apply using this application form. This form reflects the requirements set out in the Programs of Study Regulation (MR 134/2015) under The Advanced Education Administration Act.

UM INTERNAL REQUIREMENTS

1. Please refer to the Senate Policy and Procedures on Admission Targets (available online at: http://umanitoba.ca/admin/governance/governing_documents/academic/admission_targets.html).
2. Please complete the application below and submit with it the following supplemental documentation, to the Deputy Provost (Academic Planning and Programs):
 - a. A cover letter justifying and summarizing the rationale behind the request for suspension of admissions (*as outlined in section 2.3 on the Admission Targets Procedures*).
 - b. Letters of support from internal stakeholders that were consulted as part of this proposal.
 - c. Enrolment and graduation trends for the past five years and forecasted trends for the next three to five years.
3. Please direct questions to Cassandra Davidson, Academic Programs Specialist, at Cassandra.Davidson@umanitoba.ca in the Office of the Provost & Vice-President (Academic).


**University
of Manitoba**
SECTION A – PROPOSAL DETAILSInstitution: **University of Manitoba**

Applicable faculties/department with responsibility for the program: Faculty of Science, Department of Chemistry, Department of Microbiology.

If program is a joint program, list all participating institutions and the roles of each in delivering the program to be temporarily ceased:

This is a joint program within the Faculty of Science. No other institutions are affected.

Program name: Biotechnology

Credential awarded: Joint Honours (including co-operative option) , Joint 4-Year Major (including co-operative option)

Proposed start date for temporary cessation: Fall 2021

Office Use Only

One-time funding: _____

On-going funding: _____

SECTION B – PROGRAM DESCRIPTION AND DELIVERY

B-1 Provide a general description of the program and its objectives: *(Include intended purpose, curriculum design, and highlight distinctive attributes)*

Biotechnology is the application of the principles of chemistry, biochemistry and microbiology to the development of new technologies. The Department of Microbiology and the Department of Chemistry share in the teaching and administration of the program. The Honours and Major co-operative work-study programs provide experience in government, private sector and research laboratories.

B-2 Length of Program: *(Define the length of the proposed program using measures appropriate to the schedule and delivery format. This will include total course credits and weeks/months, and, where relevant, hours and semesters of instruction)*

The Biotechnology programs are 4-year programs (120 credit hours) and the co-operative option normally requires 5 years to complete because of the 3 cooperative work terms.

B-3 Describe the mode of delivery for this program:

The delivery mode for the program is typically in-class lectures and laboratories. For those in the Co-operative option, there are three paid co-operative work terms. There are no courses that are specific to the biotechnology programs, other than the course BTEC 4000 (Research Project in Biotechnology).

SECTION C – INFORMATION REGARDING TEMPORARY CESSATION DEVELOPMENT PHASE

C-1 Identify and provide a detailed description of the rationale for the temporary cessation of this program of study:

(Such as changes in applications, enrolment, employer demand.)

The main reasons for cessation: 1) Lack of expertise, courses, and interaction/integration with Agriculture and Engineering programs, 2) Lack of differentiation from existing biochemistry programs offered by the Faculty of Science, and 3) low enrollment in the program, 4) Major changes in Chemistry and Microbiology courses which affect the Biotechnology programs.

C-2 Describe the expected outcome of the temporary cessation of this program and the timeframe of the temporary cessation process:

While admission is suspended, we would like to do an internal review to determine whether the program can be revised and modernized. If this is possible, we would devise a plan for doing so. If this is not possible, we would proceed with termination of the program. Because of the major changes in Chemistry and Microbiology courses over the last few years, we are not able to do a review until Fall 2021.

C-3 Outline the internal approval process (i.e. committees, governing bodies) for approving the temporary cessation of this program of study within your institution and indicate any dates of decision. *(Governing Council, Board of Governors, Board of Regents, Senate, other)*

The Biotechnology program committee initiated the decision to temporarily suspend entry into the program. The department heads of Chemistry and Microbiology agreed with this decision. Faculty members were informed on this decision in department council meetings, in a faculty executive committee meeting, and in a faculty council meeting.

UM INTERNAL REQUIREMENTS: dates will be inserted by the Provost's Office prior to submission to government.

UNIVERSITY OF MANITOBA:

Approval by President

Date

Consultation with Senate:

Consultation with Board of Governors:

Additional Consultation *(as needed)*:

Details:

Final Decision: Y ☐ N ☐

C-4 Responsibility to consult

C-4.1 What agencies, groups, or institutions have been consulted regarding the temporary cessation of this program?

We have contacted various employers to inform them of this temporary cessation.

c-4.2 How have students and faculty been informed of the intent to temporarily cease this program?

Members in the Departments of Chemistry and Microbiology have been informed through department council meetings. In addition, this was mentioned in: Faculty of Science Executive meeting and the Faculty of Science Faculty Council. We have informed students through student town hall meetings and through the Science Student Association (SSA).

C-5 Describe the impact that the temporary cessation of this program may have on the labour market in Manitoba:

We believe the impact to be negligible due to the response we have received from the co-operative placements throughout the years. Based on anecdotal evidence, employers are stating that they are not hiring biotechnology students because they are in the biotechnology program. Instead, they are hiring based on skill sets of students.

D-1 Describe how the temporary cessation of this program will affect any specific laddering, articulation and/or credit transfer options for students in Manitoba and Canada:

We do not believe that there will be any effect because all but one course taken by students in the biotechnology program are not specific to the biotechnology program. Furthermore, this course is a projects course.

D-2 Describe how the temporary cessation of this program may affect the academic, cultural, social and economic needs and interests of students and the province:

We do not believe that there will be any effect because all but one course taken by students in the biotechnology program are not specific to the biotechnology program.

SECTION E– STUDENT IMPACTS

E-1 Provide a program completion plan for students currently enrolled in the program that is being temporarily ceased:

Since the courses in the biotechnology program are offered in other programs, it would be straightforward to allow current students in the program to complete their degree.

Year 1 N/A – Students do not enter the biotechnology program until they have complete one year of study.

Year 2 Students will follow existing program requirements.

Year 3 Students will follow existing program requirements.

Year 4 Students will follow existing program requirements.

E-2 Will previous graduates of this temporarily ceased program be negatively affected by the temporary cessation of this program?

We do not believe that this to be the case. Based on information provided through our co-operative education office, students are not being hired into positions that necessarily require a biotechnology degree.

E-3 What was the maximum seat capacity of the program that is being temporarily ceased?

There is currently no limit on the capacity.

E-4 What was the enrolment and graduation rate for this program over the past 5 years?

Year	Major (Full-time)	Major (Part-time)	Honours (Full-time)	Honours (Part-time)	Total students	# of graduates
2016	9	1	11	2	23	7
2017	13	1	10	2	26	7
2018	12	1	4	0	17	6
2019	7	2	1	1	11	3
2020	4	1	0	0	5	Unavailable

SECTION F – FINANCIAL REALLOCATION

F-1 What portion of ongoing funding is allocated to this program?

Since the courses offered in this program are part of other programs, there is no (additional) funding allocated to this program.

F-2 Please provide a detailed description of how these funds will be reallocated during the temporary cessation of this program:

Not applicable.

SECTION G – FINANCIAL REALLOCATION

(A second signature section is provided for joint programs only)

SUBMITTED BY:

President:

Name:

Signature:

Date:

Vice-President/Academic:

Name:

Signature:

Date:

For use by joint programs only:

President:

Name:

Signature:

Date:

Vice-President/Academic:

Name:

Signature:

Date:

SUBMIT COMPLETED FORM

PROVOST'S OFFICE ONLY Once completed and signed, please submit this application form to Post-Secondary Education and Labour Market Outcomes at PSE-LMO@gov.mb.ca with the following attachments (double-click to engage check box):

☐

Cover letter

☐

Any supporting documentation (reviews, letters of support, etc.)

If you have any questions or require further information, please contact:

Post-Secondary Education and Labour Market Outcomes

Manitoba Education and Training

400-800 Portage Avenue Winnipeg MB R3C 0C4

(204) 945-1833

PSE-LMO@gov.mb.ca



**University
of Manitoba**

| Department of Microbiology

213 Buller Building
Winnipeg, Manitoba
Canada R3T 2N2
T: 204.474.9372

Dr. Ben Li, Associate Dean

Faculty of Science

University of Manitoba

March 3, 2021

Dear Dr. Li:

The Department of Microbiology supports the continued suspension of admission into the Joint Major and Honours Programs in Biotechnology. These programs no longer provide sufficient specific training in Biotechnology.

Please let me know if you require further information.

Sincerely,

Deborah A. Court, PhD

Professor and Head





**University
of Manitoba**

Faculty of Science
Department of Chemistry

390 Parker Building
144 Dysart Rd.
Winnipeg MB
Canada R3T 2N2
Telephone: (204) 474-6697
Fax: (204) 474-7608
Email: Joe.ONeil@umanitoba.ca

March 2, 2021

Dr. Ben Li
Associate Dean (Undergraduate Programs)
249 Machray Hall
Faculty of Science
University of Manitoba

Dear Ben:

The Department of Chemistry supports the Faculty's decision to temporarily suspend student entry into the Biotechnology program owing to a lack of expertise in Biotechnology in the Faculty of Science necessary to sustain a healthy program.

Best wishes,

Joe O'Neil
Acting Head
Department of Chemistry

☐ Approval ☒ Discussion/Advice ☐ Information**AGENDA ITEM:**

Request to Extend Suspension of Admissions to Bachelor of Science in Pharmacy (B.Sc.Pharm.), College of Pharmacy

RECOMMENDED RESOLUTION:

For discussion / advice

CONTEXT AND BACKGROUND:

- The Board policy on *Admission Targets* specifies that it is the President who has authority to approve changes to, or the introduction of, admission targets following consultation and discussion with the dean or director, with Senate and with the Board of Governors, subject to the provisions of the provincial Programs of Study Regulation.
- Admissions to the program have been suspended since the Fall of 2019.
- The President has received a request from the Deputy Provost (Academic Planning and Programs), to extend the temporary suspension of admissions to the Bachelor of Science in Pharmacy (B.Sc.Pharm.) for two years. The extension would allow any students remaining in the program to complete the requirements for graduation.
- Pending approval by the President and by the province, under the provincial *Programs of Study Regulations*, the extension would be effective for September 2021.
- A request to formally close the B.Sc.Pharm. degree program would be brought forward in future, after any continuing students had completed the program.
- The B.Sc.Pharm. degree was replaced by the Doctor of Pharmacy (Pharm.D.) degree, which was approved by Senate (May 17, 2017) and the Board of Governors (May 23, 2017) and was implemented in the Fall 2019.

RESOURCE REQUIREMENTS:

N/A

CONNECTION TO THE UNIVERSITY PLANNING FRAMEWORK:

N/A

IMPLICATIONS:

- A two-year extension to the suspension of admissions to the B.Sc.Pharm. would allow any students continuing in the program to complete the requirements for graduation.

ALTERNATIVES:

N/A

CONSULTATION:

The President consulted with Senate regarding the request to extend the suspension of admissions to the B.Sc.Pharm. at the meeting on April 7, 2021. Senate did not raise any concerns with the request.

ROUTING TO THE BOARD OF GOVERNORS:

<u>Reviewed</u>	<u>Recommended</u>	<u>By</u>	<u>Date</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Senate Executive Committee	March 24, 2021
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Senate	April 7, 2021
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>		

SUBMISSION PREPARED BY: University Secretary on behalf of Senate

ATTACHMENTS:

- Application from the College of Pharmacy, Rady Faculty of Health Sciences, for Temporary Cessation of a Program of Study, Bachelor of Science in Pharmacy

TEMPORARY CESSATION OF A PROGRAM OF STUDY

Under The Advanced Education Administration Act

Universities and colleges requesting approval for the **temporary cessation** of a program of study from Education and Training must apply using this application form. This form reflects the requirements set out in the Programs of Study Regulation (MR 134/2015) under The Advanced Education Administration Act.

UM INTERNAL REQUIREMENTS
**University
of Manitoba**

1. Please refer to the Senate Policy and Procedures on Admission Targets (available online at: http://umanitoba.ca/admin/governance/governing_documents/academic/admission_targets.html).
2. Please complete the application below and submit with it the following supplemental documentation, to the Deputy Provost (Academic Planning and Programs):
 - a. A cover letter justifying and summarizing the rationale behind the request for suspension of admissions (*as outlined in section 2.3 on the Admission Targets Procedures*).
 - b. Letters of support from internal stakeholders that were consulted as part of this proposal.
 - c. Enrolment and graduation trends for the past five years and forecasted trends for the next three to five years.
3. Please direct questions to Cassandra Davidson, Academic Programs Specialist, at Cassandra.Davidson@umanitoba.ca in the Office of the Provost & Vice-President (Academic).

SECTION A – PROPOSAL DETAILSInstitution: **University of Manitoba**

Applicable faculties/department with responsibility for the program: College of Pharmacy, Rady Faculty of Health Sciences

If program is a joint program, list all participating institutions and the roles of each in delivering the program to be temporarily ceased:

Not a joint program

Program name: Bachelor of Science in Pharmacy

Credential awarded: B.Sc. (Pharm.)

Proposed start date for temporary cessation: September 1, 2021

Office Use Only

One-time funding: _____

On-going funding: _____

SECTION B – PROGRAM DESCRIPTION AND DELIVERY

B-1 Provide a general description of the program and its objectives: *(Include intended purpose, curriculum design, and highlight distinctive attributes)*

The undergraduate pharmacy program prepares students for entry-level practice in the profession of pharmacy by providing them with a solid foundation in the basic, pharmaceutical and clinical sciences. The program is designed to provide students with a broad experience in patient care through practical experience in health care settings.

B-2 Length of Program: *(Define the length of the proposed program using measures appropriate to the schedule and delivery format. This will include total course credits and weeks/months, and, where relevant, hours and semesters of instruction)*

The program is 4 years (September – May), consisting of 136 credit hours.
(plus 1 year / 30 credit hours of prerequisite courses)

B-3 Describe the mode of delivery for this program:

The mode of delivery is in person.

SECTION C – INFORMATION REGARDING TEMPORARY CESSATION DEVELOPMENT PHASE

C-1 Identify and provide a detailed description of the rationale for the temporary cessation of this program of study:

(Such as changes in applications, enrolment, employer demand.)

This is a request to extend a previously approved temporary cessation that had a start date of September 1, 2018. The College of Pharmacy is transitioning from a Bachelor of Science in Pharmacy program to a Doctor of Pharmacy (PharmD) degree program.

The Canadian Council for Accreditation of Pharmacy Programs (CCAPP) made the decision to cease accrediting B.Sc. (Pharm.) programs in Canada by December 31, 2020. The College of Pharmacy was required to comply with the CCAPP accreditation standards and implement a PharmD program to replace the current B.Sc. (Pharm.) program before this deadline.

C-2 Describe the expected outcome of the temporary cessation of this program and the timeframe of the temporary cessation process:

The last class was admitted to the B.Sc.(Pharm.) program for the 2018-19 academic year and transitioned into the PharmD program in the 2019-20 academic year. Admission into the new PharmD program began in the 2020-21 academic year.

Currently, there is only one class remaining in the B.Sc.(Pharm.) program. The current year 4 class will complete the program in May 2021, with the exception of one student who is delayed due to medical reasons and is anticipated to graduate by May 2023. For this reason, we are requesting an extension until May 2023.

Once this student has completed the program, the College of Pharmacy will submit a proposal through the appropriate governance channels to formally close the program.

C-3 Outline the internal approval process (i.e. committees, governing bodies) for approving the temporary cessation of this program of study within your institution and indicate any dates of decision. *(Governing Council, Board of Governors, Board of Regents, Senate, other)*

UM INTERNAL REQUIREMENTS: dates will be inserted by the Provost's Office prior to submission to government.

UNIVERSITY OF MANITOBA:

<u>Approval by President</u>	<u>Date</u>	
Consultation with Senate:	_____	
Consultation with Board of Governors:	_____	
Additional Consultation <i>(as needed)</i> :	_____	Details:
Final Decision: Y <input type="checkbox"/> N <input type="checkbox"/>	_____	

C-4 Responsibility to consult

c-4.1 What agencies, groups, or institutions have been consulted regarding the temporary cessation of this program?

To facilitate the development of the PharmD program and the closing of the Bachelor of Science (Pharm.) program, the College of Pharmacy established various work groups and an Advisory Council that consisted of representatives of faculty and staff, students, community and hospital pharmacists, alumni, and identified key stakeholders (Health Sciences Colleges, Pharmacy Regulatory, Pharmacy Advocacy, and Manitoba Health, etc.). These groups met regularly to develop the proposal, the curriculum and the transition plan. The following Faculties within the University of Manitoba were consulted: Faculty of Science, Faculty of Arts, Faculty of Law, Rady Faculty of Health Sciences, Faculty of Agricultural and Food Sciences, I.H. Asper School of Business.

The Pharm.D. proposal was approved through the College of Pharmacy Council on June 29, 2016, the Rady Faculty of Health Sciences on Jan. 24, 2017, the University of Manitoba Senate on May 17, 2017, and the Board of Governors on May 23, 2017. Manitoba Education and Training approved the program on March 19, 2018.

c-4.2 How have students and faculty been informed of the intent to temporarily cease this program?

Faculty members were involved in the new program development from the beginning and have been aware of the closing of the B.Sc.(Pharm.) degree program; the proposal was passed through the College of Pharmacy Council. Town hall meetings were held with Pharmacy students, and emails were sent to all Pharmacy students when the PharmD program received approval. Communications were sent to all applicants who applied for the fall of 2018. Information is currently posted on the College of Pharmacy website along with the Admissions website.

C-5 Describe the impact that the temporary cessation of this program may have on the labour market in Manitoba:

There will be no graduates from an undergraduate Pharmacy program for one year (2022) during the transition to the PharmD program. The transition to the PharmD program and its impact on the labour market in Manitoba were clearly outlined in the PharmD proposal. The average number of graduates over the last five years has been 48.6. With the conversion to the PharmD program we expect to graduate between 50-55 PharmD graduates each year. The last cohort from the B.Sc. (Pharm.) program will graduate in May 2021, with the exception of one student who is delayed due to medical reasons and is anticipated to graduate by May 2023.

D-1 Describe how the temporary cessation of this program will affect any specific laddering, articulation and/or credit transfer options for students in Manitoba and Canada:

There are no laddering, articulation or credit transfer options with this degree.

D-2 Describe how the temporary cessation of this program may affect the academic, cultural, social and economic needs and interests of students and the province:

Students did not have the opportunity to apply to Pharmacy for the 2019-20 academic year, but they were able to take the required pre-requisite courses during that time period so they could apply for the 2020-21 academic year. The transition to the PharmD program provides the opportunity for Manitoba students to meet the new standards of Pharmacy education across Canada.

SECTION E– STUDENT IMPACTS

E-1 Provide a program completion plan for students currently enrolled in the program that is being temporarily ceased:

Year 1 0 students enrolled

Year 2 0 students enrolled

Year 3 1 student enrolled. This student is delayed due to a medical leave, and should complete the requirements of the B.Sc. (Pharm.) program by May 2023.

Year 4 45 students are scheduled to graduate in May 2021.

E-2 Will previous graduates of this temporarily ceased program be negatively affected by the temporary cessation of this program?

No, graduates that completed their pharmacy licensing requirements can continue to practice as pharmacists.

E-3 What was the maximum seat capacity of the program that is being temporarily ceased?

55

E-4 What was the enrolment and graduation rate for this program over the past 5 years?

	2015-16	2016-17	2017-18	2018-19	2019-20
Number of Students Admitted	51	52	53	55	0
Number of graduates	48	49	52	47	47
Grad % based on # of students admitted 4 years prior	87.27	89.09	92.86	92.16	90.38

SECTION F – FINANCIAL REALLOCATION

F-1 What portion of ongoing funding is allocated to this program?

All funding will be reallocated to the PharmD program as this will be the ongoing professional pharmacy program.

F-2 Please provide a detailed description of how these funds will be reallocated during the temporary cessation of this program:

All funding will be reallocated to the PharmD program, which began a modified transition year in 2019-20.

SECTION G – FINANCIAL REALLOCATION

(A second signature section is provided for joint programs only)

SUBMITTED BY:

President:

Name:

Signature:

Date:

Vice-President/Academic:

Name:

Signature:

Date:

For use by joint programs only:

President:

Name:

Signature:

Date:

Vice-President/Academic:

Name:

Signature:

Date:

SUBMIT COMPLETED FORM

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Manitoba Education and Training

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(204) 945-1833

PSE-LMO@gov.mb.ca