

**UNIVERSITY PLANNING COMMITTEE**  
**Wednesday, December 13, 2023 at 10:30 AM**  
**Gilmour Hall, Council Room (Room 111)**

**AGENDA**

Page

**OPEN SESSION**

- 3 - 5
1. **Minutes of the Previous Meeting – November 22, 2023 (Open Session) (10:30 a.m.)**
    1. [University Planning Committee - 22 Nov 2023 - Open Session Minutes](#)
  2. **Chair's Comments and Update (10:30 a.m.)**
  3. **Business Arising (10:45 a.m. )**
  4. **Report from the Office of the Provost (10:45 a.m.)**

S. Tighe  
*Information*
- 6 - 35
1. [Report from the Office of the Provost](#)
  5. **Other Business**

December 13, 2023

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# McMaster: A Global University

McMaster University | Provost Susan Tighe



# Provost and Vice-President (Academic)

## About the Provost

Senior Vice-President ▪ Chief Academic Officer ▪

Chief Budget Officer ▪ Reports to President and Vice-Chancellor

## Responsibilities

- Academic budget, space allocation; strategic planning
- Faculty recruitment, retention and promotion
- Enrolment management
- Attracting and retaining excellent students
- Graduate and undergraduate program development and assessment
- Student life

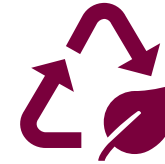
# Agenda

1. About McMaster
2. Areas of Research Focus
3. McMaster By The Numbers
4. Our Faculties
5. Office of the Provost
6. Where we are going



# About McMaster

**Just Announced**  
McMaster ranks 78<sup>th</sup> in the  
world for Sustainability



## Health and Well-Being

McMaster is 1st in  
Canada and 12<sup>th</sup> in world



## Industry Impact

McMaster is ranked  
1st in the world



## Top University

McMaster among 85 top  
public institutions worldwide

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# McMaster Alumni

**227,028**

**Graduates**

**3**

**Nobel Prize Winners**

- Bertram Brockhouse
- Myron Scholes
- Donna Strickland

# Areas of Research Focus

## Infectious Diseases

### 1. Global Nexus School for Pandemic Prevention & Response

- Training the next generation of researchers
- World-class commercialization abilities and wet labs
- Strengthens Canada as international hub for pandemic preparedness

## Sustainability

### 2. Advanced Manufacturing

- Expertise and cutting-edge facilities to solve manufacturers' challenges
- Talent pipeline for students to transition to partner companies



### Inhaled COVID-19 Vaccine

McMaster-developed inhaled aerosol vaccine entering phase II clinical trials with promising results.

# Areas of Research Focus

## Planetary health

### 3. McMaster's Nuclear Reactor

- Supplies 60% of world's I-125 isotopes, used to treat 70,000 cancer patients annually
- Substantial research in advanced materials, clean energy

### 4. McMaster Automotive Resource Centre (MARC)

- One of leading programs in North America in transportation electrification and smart mobility
- Working with industry to generate research, discoveries



### Small Modular Reactors (SMRs)

McMaster exploring SMRs, which are clean, safe, ideal for remote communities and industrial sites. Components pre-manufactured.



# Industry & Innovation

- McMaster Industry Liaison Office (MILO) facilitates research collaborations with industry and helps faculty and students convert their innovative ideas into solutions that benefit society and drive economic growth.
- Agreement and business development support to more than 300 external partners that provide \$42M+ in research funding.
- Top 24 McMaster-research based startup companies have created 600 jobs and raised \$515M in investment.
- McMaster Seed Fund has invested \$2.7M in eight startup companies to date.
- **Vice President Research Leads**

## New Course

A course on Fundamentals of Intellectual Property is now available to students, staff and faculty through MILO.



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# Wilson College

- The Wilson College of Leadership and Civic Engagement will train future leaders to foster, sustain a civic culture for Canada that engages all citizens.
- **Living-learning community:** College will feature a student residence.
- **Programming:** Canada's only BA and minor in Leadership and Civic Studies.
- **Research:** Researchers and visiting fellows from the public, private sectors
- **Practice:** External activities to expand the impact of the College
- **Leading the public conversation:** Fellows, professors and students to shape discourse on key issues in Canadian public life.



## Red Wilson

The College was made possible through a generous gift from McMaster chancellor emeritus L.R. "Red" Wilson

# Strategic Reviews

- External reviews provide transparency and accountability. They identify opportunities to innovate and align execution to strategic priorities.

## Completed Reviews

- MacPherson Institute
- Equity and Inclusion Office
- School of Graduate Studies
- Faculty of Engineering
- Budget Model
- Student Accessibility Services

## Upcoming Reviews

- University Library
- Continuing Education
- International Recruitment
- Faculty of Social Sciences



## Cross-Campus Consultations

The budget model review included a community consultation attended by more than 100 faculty and staff.

# Our Students

McMaster has 37,537 students

**32K**

**Undergraduate  
Students**

**Full-Time** 30,792

**Part-Time** 1,382

**5.4K**

**Graduate  
Students**

**Masters** 3,413

**PhD** 1,789

**6.6K**

**International  
Students**

**Undergraduate** 4,977

**Graduate** 1,576

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# Student Residences

## Lincoln Alexander Hall

Construction has begun on McMaster's largest, most-innovative student residence



## 10 Bay Residence

McMaster's first graduate student residence now open, welcoming students



# McMaster Faculty

1,036

**Full-Time Faculty Members**

- 95% hold doctoral degrees



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# Faculty of Business



**Khaled Hassanein**  
Dean, Faculty of  
Business

## New Strategic Plan: 2023-2028

- Our vision: Open minds, transform lives, build sustainable communities, and contribute to positive change in business and society.

## McLean Centre for Collaborative Discovery

- Collaborative space for students, faculty, and industry to engage in experiential learning activities [Winter 2025]

## Success Stories

- DeGroot MBA team won 2023 John Molson Case Competition.
- Undergraduate team named school of the year in 2023 Jeux de Commerce Central Competition.



# Faculty of Engineering



**Heather Sheardown**  
Dean, Engineering

## Innovative programs launched in 2023

- More than 2,500 students completed over 4,000 co-op work terms across the globe in 2022/23.

## Top 10 Engineering School in Canada

- 2024 Macleans University Rankings: Engineering Programs
- \$46.1 million research revenue in 2022/23

**43%**

**Women in the Fall 2023  
undergraduate class**

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# Faculty of Health Sciences



**Dina Brooks**  
Exec. Vice-Dean and  
AVP, Academic, Health  
Sciences

## Innovative programs launched in 2023

- Bachelor of Health Science in Integrated Rehab & Humanities and Master of Biomedical Innovation.

## YouTube Health collaboration

- We are an inaugural participating channel in YouTube Health Canada's program to provide access to reliable health information from trusted medical experts.

## Vaccine Research

McMaster hosted international experts and researchers for the Global Nexus Future of Vaccinology Symposium this fall.



# Faculty of Humanities



**Pamela Swett**  
Dean, Humanities

## Imagining 2080: A Forum on Canada's Futures

- Hosted by the Future of Canada Project, 150 delegates from the academic, private and non-profit sectors for a three-day conference exploring future-forward thinking, research, innovation and change.

## Wilson College of Leadership and Civic Engagement

- Wilson College launches its inaugural graduate seminar, "Leaders as Thinkers: What does good leadership look like?" in Winter 2024.

Autumn Peltier, water activist and keynote speaker, Imagining 2080



# Faculty of Science



**Maureen MacDonald**  
Dean, Science

## Office of Undergraduate Research Opens

- Meaningful and equitable research opportunities to even greater numbers of undergraduate students across all Departments and Schools.

## Industry Professor Mentoring Students

- Start-up founder Darren Burke has joined the Department of Kinesiology as the Faculty of Science's first industry professor, delivering an entrepreneurship course to 46 students.

Industry Professor, Darren  
Burke, and students



# Faculty of Social Sciences



**Jeremiah Hurley**  
Dean, Social Sciences

## New co-op program options

- Three new program options have been launched for undergraduates in Economics, Political Science and Work & Labour Studies.

## Indigenous Studies Department

- Graduate programs accepting applications for the 2023/24 academic year.

# Deputy Provost



**Matheus Grasselli**  
Deputy Provost

## Task Force on Generative AI

- Exploration of AI's potential to enhance student engagement, to deepen learning opportunities, and to empower students to contribute to solving the difficult problems we face in society.
- Developed provisional guidelines that have since been adopted by other institutions in the higher education sector.



**Melissa Pool**  
AVP, Academic  
Planning and Finance

## IRA Update

- Institutional Research and Analysis (IRA) is using natural language processing to transform qualitative information, such as surveys, into quantifiable themes.
- This helps facilitate understanding of student course evaluations and key course components for rankings among other uses.

# School of Graduate Studies



**Steve Hranilovic**  
Vice-Provost and Dean of  
Graduate Studies

## Task Force on Graduate Student Funding

- Examining issues of affordability and funding challenges for graduate students.
- Championed grad student and postdoc support at House of Commons Committee on Science and Research.

## Community of support for grad students & postdocs

- Holistic lens on all areas of the graduate/postdoctoral journey, from application to completion – enhanced administrative services and transition support, additional training/services for program staff and faculty.
- Individualized writing help and career readiness support, specific to graduate student needs.

# University Technology Services (UTS)



**Gayleen Gray**  
AVP & Chief  
Technology Officer

## MacHub Launch: Better Student Experience

- Personalized platform for students to contact academic advisors, access university websites, and answers to questions, like how to enroll in courses.

## Enhancing Research Support

- The Digital Research Commons Pilot will create a more connected, capable, and researcher-focused approach to digital research support.



### Women in Tech

UTS, led by an all-female leadership team, has launched a new Women in Tech series that features inspiring women IT leaders empowering Canadian higher education and research.

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# Student Affairs (1)



**Sean Van Koughnett**  
AVP (Students and  
Learning) &  
Dean of Students

## Historic \$1.5M Investment in Black Student Success

- RBC Foundation's gift is the largest ever dedicated to Black student success at McMaster
- Expands capacity for the Black Student Success Centre to support students and ensure they experience a sense of belonging

## Opening Soon: Student Hub in DBAC (Partnership with the MSU)

- As part of the David Braley Athletic Centre expansion, the Hub is projected to open by the end of 2023
- Includes 40,000 square feet of space for student life activities

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# Student Affairs (2)

## Record-Breaking Student Engagement Numbers

- Student Success Centre experiences unprecedented attendance at student engagement activities
- In 2022-2023, over 46K event registrants and 8.7K one-on-one student appointments

## Reinventing Personalized Support and Outreach

- Indigenous Student Services implements a personalized coaching and mentoring model to include one-on-one outreach to 492 Indigenous students

## Increased Access to Primary Student Mental Health Care

- Student Wellness Centre introduced same-day access to a counsellor for high-risk students seeking support
- In 2022-2023, over 51K students accessed the clinic in the Student Wellness Centre

# Equity & Inclusion Office (EIO)



**Barrington Walker**  
AVP (Equity &  
Inclusion)

## Refresh of EDI Strategic Plan

- Process of renewing McMaster's Equity, Diversity and Inclusion strategic plan that will be a model for peer research intensive universities.

## 'It takes all of us'

- Online training module for students launched to foster a culture of consent and sexual violence prevention.

# Teaching & Learning



**Kim Dej**  
Vice-Provost,  
Teaching and Learning

## Interdisciplinary Studies

- McMaster offers interdisciplinary minors in community engagement, Latin American and LatinX studies, African and African Diaspora studies, sustainability, and the new Wilson Civic Leadership minor.

## Community Engagement

- Partnership with Simon Fraser University, the Saskatchewan Indian Institute of Technologies and the University of Montreal to co-host the Carnegie Classification for Community Engagement in Canada.

# McMaster University Library



**Vivian Lewis**  
University Librarian

## Podcast studio and VR room

- The virtual reality room has two headsets equipped with a range of educational apps and a screen for casting live experiences.

## Opening of 'hidden' special collections

- Project makes available descriptions of thousands of recent and historical donations and purchases, with focus on rare and unique printed materials.

# Office of International Affairs



**Bonny Ibhawoh**  
Vice-Provost  
(International Affairs)

# 57,066

## International Research Collaborations

Number of publications by McMaster researchers and peers in 188 countries between 2018/22.

# 31

## International Initiatives Micro Fund (IIMF)

Number of recipients of seed funding for first-time international research contacts or initiatives.

# McMaster Museum of Art



**Carol Podedworny**  
Director (McMaster  
Museum of Art)

## Exhibitions

- Four exhibitions have ties to McMaster graduates, faculty, and local artist community, along with annual School Of The Arts graduating exhibition SUMMA 2023: Where We Intersect.

## Practicing Decoloniality, Visualizing Collaboration

- Continued commitment to decoloniality in research, presentation, interpretation, mentorship, and collections growth.
- Contributed to national and international arts community through collaborative projects, the display of collection works by sister institutions, and nine new acquisitions.

A photograph of a university campus in winter. The scene is covered in snow, with bare trees and evergreens. In the foreground, several students are walking on a paved path. A stone archway is visible in the middle ground. The background features brick and stone buildings. A large, bold, black text "Thank You" is overlaid in the center of the image.

**Thank You**