



Memorandum

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TO: Senate

FROM: Dr. Rose Goldstein, Vice-Principal (Research and International Relations)

SUBJECT: Report on Research Performance and Innovation

DATE: September 22, 2011

DOCUMENT #: D11-01

ACTION REQUIRED: INFORMATION APPROVAL/DECISION

ISSUE: Dr. Rose Goldstein, Vice-Principal (Research and International Relations), will present its annual report to Senate on key indicators of McGill research and innovation performance.

BACKGROUND & RATIONALE: The Report on Research Performance and Innovation is an annual review of McGill's success in major funding programs, its progress in areas related to innovation, and other major achievements of University researchers.

The objective of the Report on Research Performance and Innovation is to provide Senate with a comprehensive portrait, based on concrete data, of McGill's competitiveness in major funding programs, as well as the University's effectiveness in moving discoveries and inventions from the lab to the commercial market. Finally, Dr. Goldstein will share her vision for how McGill can build on its strengths while fundamentally transforming our approach to partnerships with industry and other external stakeholders.

More specifically, this year's Report will examine a wide range of performance indicators, including how McGill compares to its G5 and U15 peers in terms of market share and research intensity over the last five years. The emphasis will be on identifying significant trends in funding while outlining how the University's research enterprise can become better suited to compete in the future. The presentation will also look ahead to upcoming opportunities in the research community that are particularly noteworthy and which could have a major impact on the University this year and in the future.

A detailed outline of the Report is attached as Appendix A.

**MOTION OR
RESOLUTION
FOR APPROVAL:**

N/A

**PRIOR
CONSULTATION:**

Principal, Provost and Vice-Principals

NEXT STEPS:

N/A

APPENDICES:

Appendix A: Report on Research Performance and Innovation Outline

Report on Research Performance and Innovation Outline

Objective: To provide the Senate with a comprehensive portrait, based on concrete data, of McGill's competitiveness in major funding programs; to review the University's effectiveness in moving discoveries and inventions from the lab to the commercial market; and to outline the Office of the Vice-Principal (Research and International Relations)'s vision for how McGill can transform its research enterprise to become more competitive in the future.

I. Introduction and Report Objectives

This section will briefly outline the Report's goals and provide a roadmap for the four main sections of the presentation. It will:

- Highlight McGill's research and innovation strengths
- Identify areas for improvement
- Celebrate achievements
- Look ahead to priorities for FY2011-12 and beyond

II. Research Performance

This section will focus on McGill's research performance compared to other members of the G5 and U15. It will compare market share and research intensity over the last five years, with an emphasis on identifying major trends and where we can transform our performance.

Topics

- a. Federal programs (CIHR, NSERC, SSHRC, Tri-Council, CFI)
- b. Quebec programs (FRSQ, FQSRC, FQRNT)
- c. International programs (IDRC, MDEIE, NIH, etc.)
- d. Large-scale and team grants from all sources
- e. Areas affected by research performance, particularly in federal programs

III. Innovation and Business Engagement

This section will review major indicators of the success and challenges facing McGill's innovation enterprises. It will focus on comparative metrics between McGill and its G5 and U15 peers, as well as Association of University Technology Managers (AUTM) benchmarks.

Topics

- a. Overview of results

- b. Innovation outcomes, including patents, licensing outcomes, and new companies
- c. Corporate engagement, including contracts and partnerships with private sector

IV. Major Wins and Achievements

This section will recognize a few of the many outstanding accomplishments in McGill's research community over the past year. Particular attention will be paid to achievements in influential federal and provincial competitions, key awards and prizes presented to McGill faculty, and noteworthy success rates for applications to various programs.

Proposed Topics

- a. Federal awards
- b. Provincial awards
- c. Recap of BRAVO

V. Upcoming Opportunities

This section will identify a number of major competitions, initiatives and areas of improvement that the Office of the Vice-Principal (Research and International Relations) will focus on in the coming year.

Topics

- a. Networks for Centres for Excellence (NCE) finalists (biofuels and orthopedic trauma)
- b. Canada-India Centre for Research Excellence
- c. Canada Excellence Research Chair (CERC) competition
- d. CFI Round VII for large projects
- e. Quebec Research priority projects
- f. Other upcoming competitions of note
- g. Strategic Reframing Initiative and increasing research performance