

Memorandum

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TO: Senate

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

SUBJECT: RIR Annual Report on Research Funding Performance and Innovation

DATE: October 16, 2013

DOCUMENT #: D13-10

ACTION REQUIRED: ☒ INFORMATION ☐ APPROVAL/DECISION

ISSUE:	This annual report to Senate presents key indicators of McGill research funding performance and innovation.
BACKGROUND & RATIONALE:	The Report on Research Funding Performance and Innovation is an annual review of McGill's success in major funding programs, its progress in areas related to commercialization, and other major achievements of University researchers. The objective of the report is to provide Senate with a high-level portrait 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. The report identifies current trends in research funding and shares McGill's vision for how we can build on our strengths in order to excel in today's highly competitive environment. This year, as in the past, the report will focus on McGill's performance in Tri-Council and Trois Fonds programs, including how we compare to G5 and U15 peers in terms of market share and research intensity over the last five years. In addition, it will also review recently established programs aimed at diversifying the University's funding sources, a major objective outlined in the last two Reports on Research Funding Performance and Innovation. The goal will be to inform Senators of significant trends in funding while outlining how the University's research enterprise is becoming better suited to compete in the future.
MOTION OR RESOLUTION FOR APPROVAL:	N/A
PRIOR CONSULTATION:	Internal review
NEXT STEPS:	N/A
APPENDICES:	Appendix A: Presentation on Research Performance and Innovation

Annual Report on Research Funding Performance and Innovation

Presentation to Senate
October 16, 2013

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



McGill

Impact of Research Funding Performance

Allocations

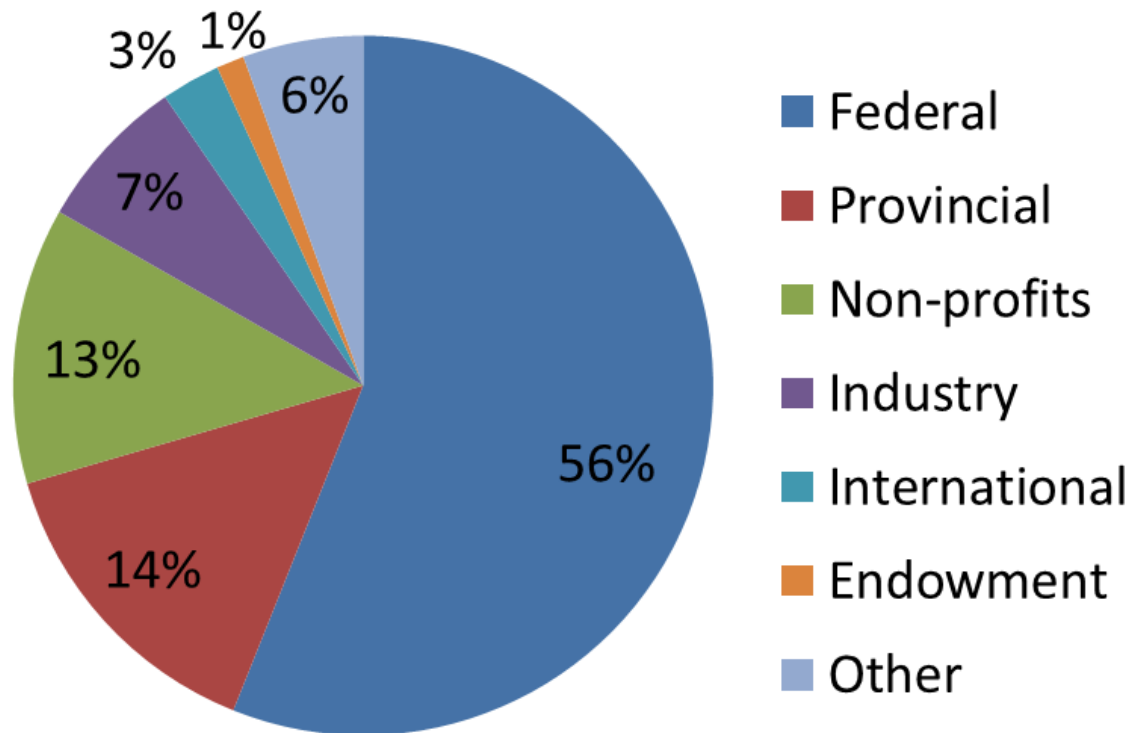
- Canada Research Chairs
- Canada Excellence Research Chairs
- Graduate Fellowships
- Undergraduate Awards
- Indirect Costs of Research
- Canada Foundation for Innovation Awards



Rankings and Reputation

McGill's Research Revenue at a Glance

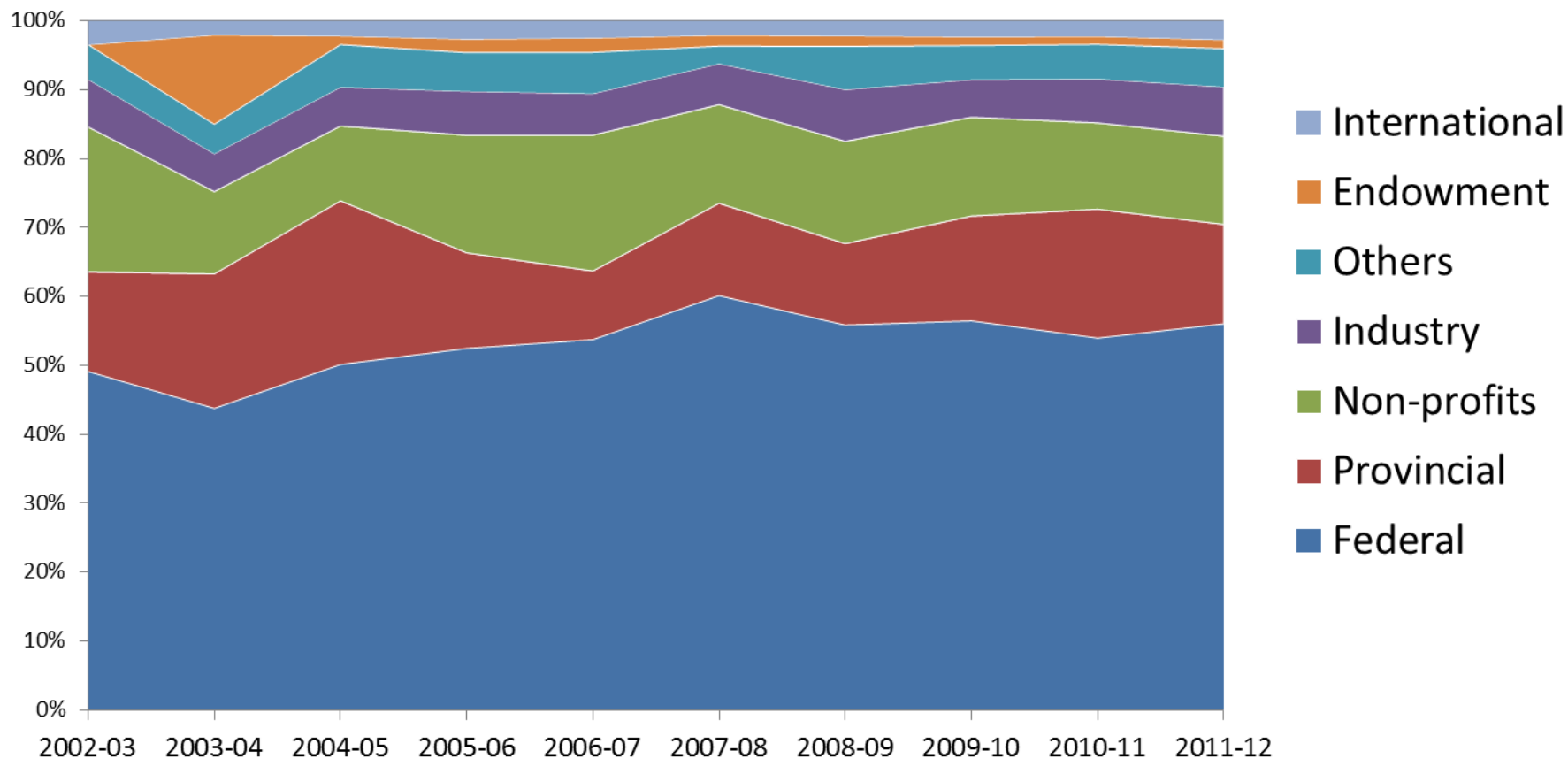
Percentage of Research Funding 2011-12



\$484-million in total research funding

Sources of Research Revenue: 10-year Trend

Sources of Research Revenue: 10-year Trend





Tri-Council Performance

McGill Results by Agency 2011-12

	<i>Overall Funding</i>	<i>Total Dollars Ranking in U15</i>	<i>Market Share</i>	<i>5-year Trend in Market Share</i>	<i>1-year Trend in Market Share</i>	<i>Research Intensity Ranking in U15</i>
Total Tri- Agency	\$162- million	3rd	8.5%	+0.2%	+0.2%	2nd
CIHR	\$98- million	2nd	12.1%	+0.2%	+0.4%	4th
NSERC	\$48- million	3rd	5.8%	+0.1%	+0.1%	4th
SSHRC	\$15- million	3rd	5.8%	+0.1%	+0.7%	1st



Trois Fonds Performance

McGill Results by Agency 2012-13

	<i>Overall Funding</i>	<i>Total Dollars Ranking in Quebec</i>	<i>Market Share</i>	<i>5-year Trend in Market Share</i>	<i>1-year Trend in Market Share</i>	<i>Research Intensity Ranking in Quebec</i>
Total Trois Fonds	\$28- million	2nd	18.7%	+0.8%	+1.3%	3rd
FRQS	\$18- million	2nd	22.5%	+1.7%	+2.2%	3rd
FQRNT	\$5.9- million	3rd	17.2%	-3.5%	+0.4%	3rd
FQRSC	\$3.4- million	4th	10.6%	+2.4%	+0.4%	3rd



Progress Report: Diversification

Opportunities

- Commercialization
- Industry partnerships
- International funding programs
- Foundations and individuals (philanthropy)



Internationalization

Highlights

- \$45-million in funding since 2008
- Ranked 3rd in NIH funding (2008-12)
- Ranked 1st for EC-funded projects in FP7 (2007-12)

Room for improvement

- Mixed results in funding from foreign sources
- Capitalizing on international collaborations



Key Initiative: International Strategy

New emphasis on International Relations

- International Strategy
(in development)
- Three Pillars
 1. Research Partnerships
 2. Student Recruitment and International Opportunities
 3. Outreach to Global Community
- Desired outcomes



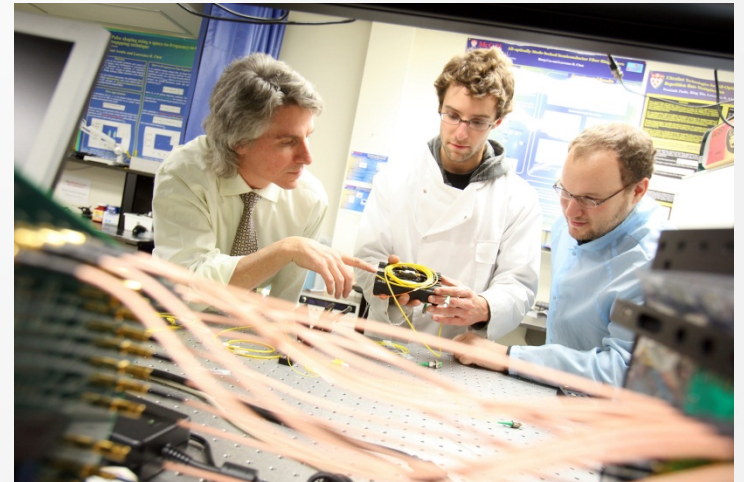
Commercialization

Highlights for 2011

- 98 invention disclosures
- 76 new patent applications
- 31 licenses and options executed
- 10 U.S. patents issued
- 1 spin-off created

Room for improvement

- Active licensing
- Moving discoveries to market and community



Key Commercialization Initiatives

McGill Innovation Steering Committee

- Led by Phil Barker
- Implements new innovation strategy at McGill
- Stewarding a new era in innovation

Commercialization Review

- Led by Michèle Beaulieu
- Recommendations on:
handling IP, licensing, research
agreements, and spin-offs



Industry Partnerships

Highlights

- \$127-million from industry since 2008
- Top three sponsors: AstraZeneca, Pfizer, Novartis

Room for improvement

- Income flat over past five years
- New areas of collaboration



Key Initiative: MUBEC

McGill University Business Engagement Centre (MUBEC)

- 100 corporations engaged
- 55 cross-campus referrals
- 36 on-campus visits
- 4 master partnership agreements



Key objectives

- Grow contributions of top 65 corporate partners
- Engage new contributors

Foundations and Philanthropy

Highlights

- \$195-million awarded by foundations since 2008
- More than \$1-billion raised through Campaign McGill
- Top contributors
 - Canadian Cancer Society Research Institute
 - Génome Québec
 - Multiple Sclerosis Society of Canada

Room for improvement

- Income recovering



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Prizes and Awards Highlights

- 7 Royal Society of Canada Fellows and 1 Medalist
- 2 Ordre nationale du Québec Inductees
- 2 Prix du Québec Recipients
- 2 Killam Fellowships Recipients
- 1 Sloan Fellowship Recipient





Research Funding Performance

Thank you

