

# **Report on Research Funding Performance and Introduction to the Strategic Research Plan**

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

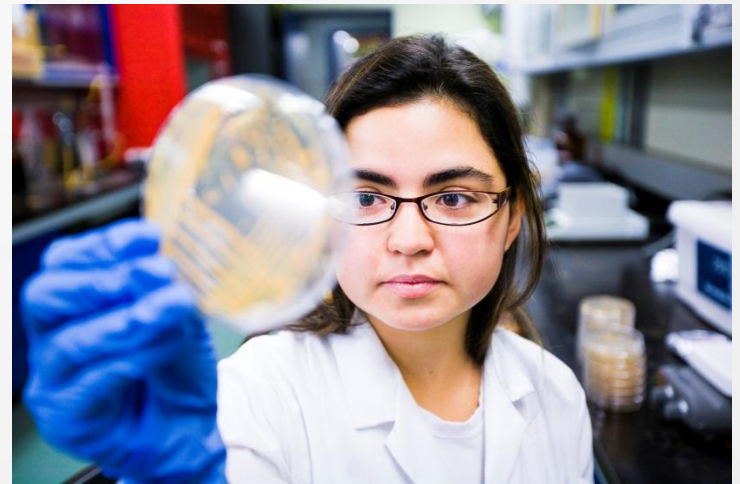


**McGill**

# Overview

## Objectives for this presentation

- Review research funding performance in 2010-11
- Identify key trends
- Discuss opportunities and how to take advantage of them
- Introduce new Strategic Research Plan
- Explain how SRP will help us achieve our goals



# Impact of Research Funding Performance

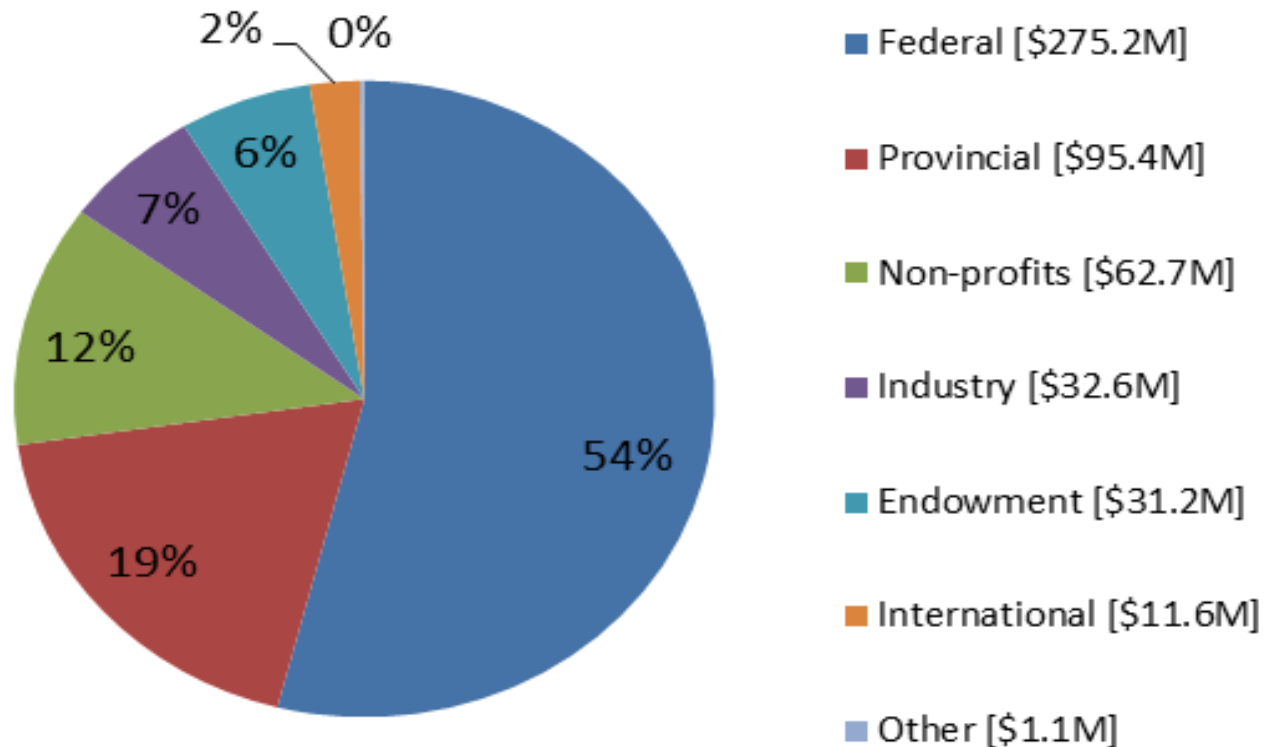
## Areas affected by research revenues

- University Rankings
- Canada Research Chairs (CRC)
- Canada Excellence Research Chairs
- Graduate Fellowships
- Undergraduate Awards
- Indirect Costs of Research
- Canada Foundation for Innovation (CFI) Awards



# McGill's Research Revenue at a Glance

## Percentage of Research Funding 2010-11



***\$510-million*** in total research funding

# Tri-Council Performance

## McGill Results by Agency 2010-11

	<i>Overall Funding</i>	<i>Total Dollars Ranking in U15</i>	<i>Market Share</i>	<i>Research Intensity Ranking in U15</i>
Total Tri-Council	\$158-million	3rd	8.2%	2nd
CIHR	\$97-million	2nd	11.7%	3rd
NSERC	\$48-million	3rd	5.7%	4th
SSHRC	\$13-million	4th	5%	1st

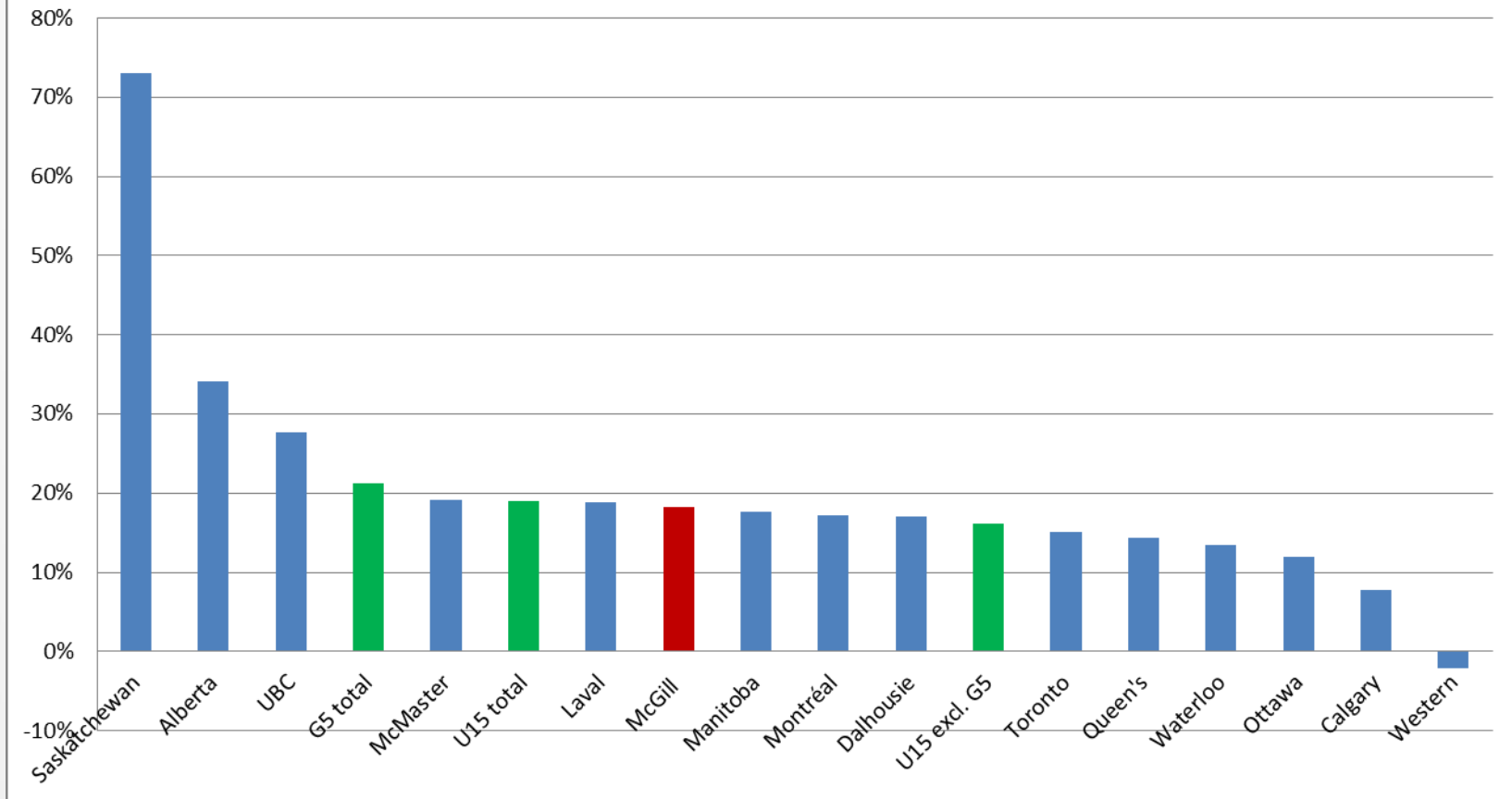
# Trois Fonds Performance

## McGill Results by Agency 2011-12

	<i>Overall Funding</i>	<i>Total Dollars Ranking in Quebec</i>	<i>Market Share</i>	<i>Research Intensity Ranking in Quebec</i>
Total Trois Fonds	\$27-million	2nd	18.3%	3rd
FRSQ	\$18-million	2nd	20.2%	3rd
FQRNT	\$5.5-million	2nd	19.7%	2nd
FQRSC	\$3-million	4th	10.7%	3rd

# Funding Trends: Total Research Revenue

## Change in Total Sponsored Research Revenue 2006-10





# Commercialization: Key Points

## **McGill is inventive and resourceful in its commercialization activities...**

- Ranked 4th in U15 for Intellectual Property Index in 2010-11
- Performing well despite limited resources

## **We must improve in licensing and generating income...**

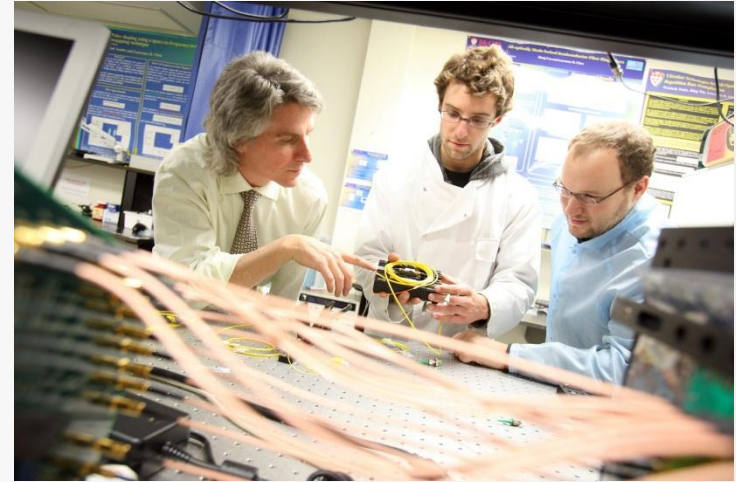
- Average performance in active licenses
- Small commercialization returns for all U15 institutions



# Looking Ahead

## Challenges

- Great efforts result in modest gains
- Increased competition
- Decreased funding



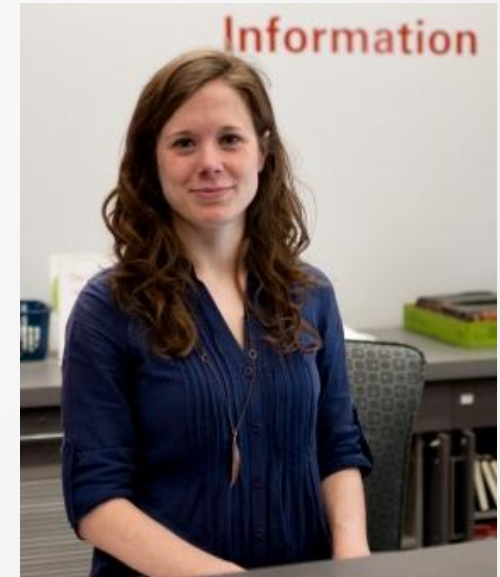
## Opportunities

- International funding programs
- New federal and provincial innovation policies

# Solutions to Challenges

## Key approaches

- Diversify sources of research revenue
- Support researchers more effectively
- Prioritize and target resources
- Strengthen partnerships
- Introduce new approaches to commercialization





# Solutions to Challenges

## Implementation projects

- Provide proximity support to researchers
- Build an RIR that supports the research enterprise
- Improve post-award management effectiveness
- Strengthen external relationships
- Drive collaborations and strategic partnerships
- Launch McGill University Business Engagement Centre
- Develop the Quartier de l'Innovation

# SRP: Implementation Strategy

## We ask McGill researchers to

- Ask for the maximum funding when applying
- Know our funders and what they want
- Emphasize quality and excellence
- Utilize internal and external review processes



# Strategic Research Plan

## What is the SRP?

- Government requirement for grant applications
- Guide for strategic resource allocation
- Tool for reporting, fundraising and promoting McGill researchers and students



# SRP: Consultations

**Over the past two years, consultations occurred with**

- SRP Advisory Committee
- Research Advisory Council
- Student associations
- Focus groups
- Established and early career researchers
- Panel of external advisers
- Greater McGill community





# SRP: Areas of Research Excellence

## Core Commitments

- Ideas
- Innovation
- Sustainability
- Collaboration and partnership
- Social engagement



# SRP: Areas of Research Excellence

## Seven “Areas of Research Excellence”

- Examine fundamental questions about humanity, identity, and expression
- Strengthen public policy and create a deeper understanding of social transformation
- Capitalize on the convergence of life sciences, natural sciences, and engineering
- Support health research and improved delivery of care





# SRP: Areas of Research Excellence

## Seven “Areas of Research Excellence” (continued)

- Unlock the potential of the human brain and the entire nervous system
- Advance knowledge of the foundations and applications of technology in the Digital Age
- Explore the power of the Earth, space, and the universe



# SRP: Implementation Strategy

## “Enabling, Facilitating, Connecting”: Strategic Objectives

1. Enhance McGill’s research capacity
2. Build and strengthen strategic alliances and relationships
3. Emphasize opportunities to increase impact and outreach



# SRP: Implementation Strategy

## Drivers for success

- 1.1 Research planning and development
- 1.2 Comprehensive research administration
- 1.3 Nexus between research and education
  
- 2.1 Proactive strategies to diversify funding
- 2.2 Strengthen local and regional connections
- 2.3 Comprehensive internationalization strategy
  
- 3.1 Knowledge mobilization and communication
- 3.2 Community engagement
- 3.3 Commercialization



# Research Funding Highlights

## Recent major wins include

- NCE for BioFuelNet Canada
- SSHRC Partnership Grants
- NSERC CREATEs
- FRQSC funds for Centre for the Study of Democratic Citizenship
- CIHR and Génome Québec epigenetics funding
- Two of 11 CERCs in Canada for 2012



# Research Highlights

## Major awards received in 2011-12 include

- 8 Royal Society of Canada Fellows and 1 Medal
- 1 Order of Canada Inductee
- 2 Ordre nationale du Québec Inductees
- 2 Canadian Medical Hall of Fame Inductees
- 2 Guggenheim Fellows





# Research Funding Performance and SRP

# Thank you