

Senate Research Report

VICE-PRINCIPAL (RESEARCH)

April 18, 2017

Strategic Research Plan Renewal

(SRP) is a foundational governing document that supports and guides the institutional research mission. Over the past five years it has supported the allowing us to enhance our research

prominence through targeted areas of focus, successes in external funding, development of internal funding programs, engagement of trainees, and innovation and partnership activities.

The current iteration of the SRP will conclude at the end of 2017. Over the past several months, we have started the process of communication and consultation to review and refresh the SRP. The Senate Advisory Research Committee (SARC) has been informed of the renewal process and a small writing team will be established to support the drafting of the revised SRP. Engagement with the community through a variety of online and in-person engagements are being planned. The three phases of the renewal are comprised of: 1) Planning, consultation and feedback, 2) Drafting the SRP and soliciting feedback, and 3) Revision of the SRP draft followed by a consultation phase culminating in Senate approval.

A foundational principle underlying the strategic research plan is a commitment to equity,

Implementation Committee on Racism,

and Reconciliation Commission Task Force. These principles are important for the enhancement of our research prominence through faculty renewal and emerging or established strategic themes of focus.

An initial communication has been posted on the Office of the Vice-Principal (Research) website, which will be updated regularly to provide information on process and timelines. Updates will also be provided through the Senate Research report.

News

The Honorable Reza Moridi, Minister of Research, Innovation and Science, visited

March 14 to announce \$4.5M in funding

Ontario Research

Fund Research Excellence and Research Infrastructure programs. See table below.

On April 3, the 2016 winners of the <u>Prizes for Excellence in Research</u> presented public lectures y. The presenters were:

- Gauvin Bailey (Art History & Art Conservation)
- James Cordy (School of Computing)
- Janet Hiebert (Political Studies)
- Myra Hird (School of Environmental Studies, 2015 recipient)
- Stephen Vanner (Medicine)
- Virginia Walker (Biology)

On April 20, the Office of the Vice-Principal (Research) will host a day-long <u>Faculty Writing</u> <u>Retreat</u> at the Donald Gordon Centre focused on research funding applications.

Dr. Stephen Lougheed (Biology) was named the recipient of the 2016 <u>Partners in Research Science Ambassador Award</u>.

Dr. Guy Narbonne (Geological Sciences and Geological Engineering) was awarded the <u>2017 E.R.</u>

<u>Ward Neale Medal</u> from the Geological Association of Canada exceptional scientific discovery and commitment to public outreach

Research Funding

Researcher	Department	Project Title	Amount	
Bickell Foundation Medical Research				
Wells, Laura	Chemical	Designing better intraocular	\$58,800	
	Engineering	lenses for cataract patients -		
		determining the role of		
		neutrophils and materials in		
		posterior capsule		
		opacification		
Canada Foundation for Innovation Major Science Initiatives Fund				
Smith, Nigel	SNOLAB	SNOLAB Facility Operations	\$28,809,614	
Canadian Cancer Society Research Institute				
Dancey, Janet	Canadian Cancer Trials Group	Canadian Cancer Trials Group CCSRI Program	\$23,500,000	

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		analysis, and optimization of		
		hot stamped ultra-high		
		strength steels		
N SERC Engage Gran	t			
Loock, Hans-Peter	Chemistry	Optical sensor for improved	\$24,400	
		copper production		
Networks of Centres of Excellence BioFuelNet				
Mabee, Warren	Geography and	Knowledge Translation -	\$50,000	
	Planning	Policy options for advanced		
	, and the second	biofuel sustainability		
		Knowledge Translation - A	\$10,000	
		visual scenario for an		
		oilsands biorefinery		
		,		
Networks of Centres o	f Excellence Canadian	Arrhythmia Network		
Glover, Benedict	Medicine	Patient-Centred AF	\$171,903	
		Management Program		
		(PCAF) Motivations of		
		patients with known atrial		
		fibrillaton in various		
		emergency departments: A		
		mixed methods survey		
Ministry of Research, I	nnovation and Science:		h Excellence	
Program				
Jain, Praveen	Electrical and	Eco-friendly Nano PV Energy	\$4,000,000	
	Computer	System		
	Engineering			
MRIS: Ontario Research Fund Research Infrastructure Program				
Braun, Alexander	Geological Sciences	Reservoir monitoring using	\$180,000	
	and Geological	superconducting gravimetry		
	Engineering			
Gallivan, Jason	Biomedical and	Neural mechanisms	ı	
	Molecular Sciences	underlying cognitive		
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