

Research and Innovation at the University of Toronto

STAR Conference
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UNIVERSITY OF
TORONTO

BOUNDLESS

2018 Highlights

Serving the U of T Community



RESEARCH FUNDING

2,800 principal investigators	4,000 new funding applications	\$500M in funding awarded	9,000 research funds
1,000 sponsors	300+ private sector partners	1,800 funding programs	130 workshops and info sessions

INNOVATION & ENTREPRENEURSHIP

180 invention disclosures	70 priority patent applications	30 licensing agreements & options	230 commercialization projects
300+ student-led startup teams/companies	\$150M in annual startup investment	\$10M in annual sales revenue	

OVERSIGHT & COMPLIANCE

40 external audits	8,900 financial reports	1,600 human ethics protocols	430 animal ethics protocols
60 post-approval reviews	177 lab assessments for animals		
12,200 personnel trained in EH&S programs	1,060 lab safety inspections	220 worksite assessments	800 occupational health assessments

2018 Highlights

- Institutional Strategic Research Plan (ISRP)
- 3 Canada 150 Chairs, 2 CERCs, 20 new CRCs
- Federal Science Review advocacy and Budget 2018
- CRC Equity, Diversity and Inclusion Action Plan and Equity and Diversity in Research and Innovation Working Group
- MR Human Protocols
- Multiple site visits (eg, CCAC, PHAC)
- Guidebooks for Startup companies; Entrepreneurs
- President's Impact Award and Academy
- Chief Administrative Officer – Renee Brost

2017-18 Highlights

World Rankings

U of T Rankings in the Most Prominent Global Rankings Systems

Global Rankings **Canadian Rankings**

	2017-18	
1. National Taiwan University Ranking (NTU)	4	1
2. US News Best Global Universities	20	1
3. Times Higher Education World University Rankings (THE)	22	1
4. Academic Ranking of World Universities (ARWU)	23	1
5. QS World University Rankings (QS)	31	1

2017-18 Highlights

U of T once again confirmed its caliber as a stellar research institution across a wide range of disciplines.

U of T Major Field Ranking Results

W = World Rankings C = Canadian Rankings

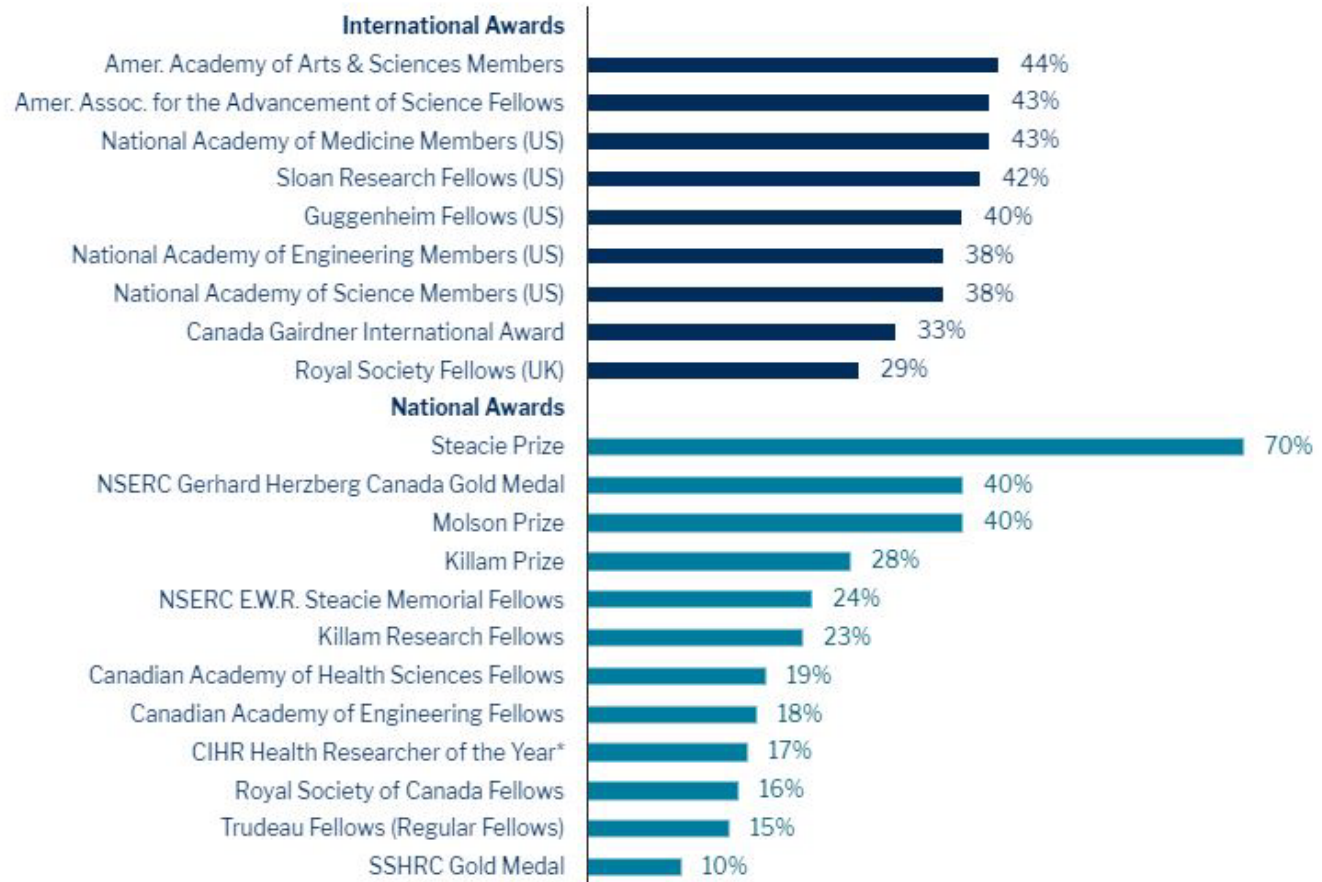


QS 2018	W	C	THE 2018	W	C
Life Sciences & Medicine	15	1	Law	10	1
Arts & Humanities	18	1	Education	11	1
Natural Sciences	22	1	Psychology	13	2
Social Sciences & Management	30	1	Arts & Humanities	15	1
Engineering & Technology	34	1	Clinical, Pre-clinical & Health	19	1
NTU 2017			THE 2018		
Clinical Medicine	3	1	Business & Economics	22	2
Social Sciences	6	1	Computer Science	22	1
Life Sciences	8	1	Life Sciences	22	2
Natural Sciences	32	1	Social Sciences	27	1
Agriculture	49	4	Engineering & Technology	29	1
Engineering	50	1	Physical Sciences	29	1

2017 Highlights

Awards and Honours

Major Awards and Honours: U of T Market Share Among Canadian Universities (2008-2017)



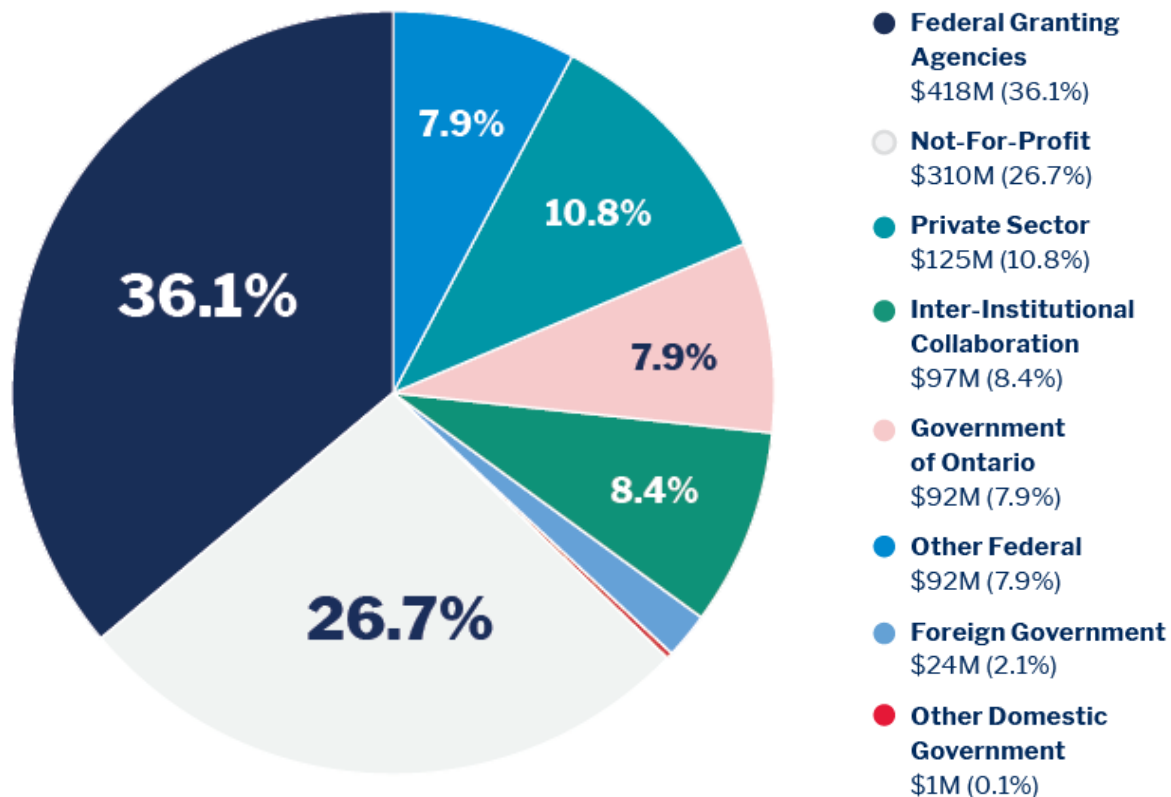
Percent Share of Awards and Honours among Canadian Universities

2017 Highlights

Research Funding

Funds Awarded to U of T and Partner Hospitals by Sector (2016-17)

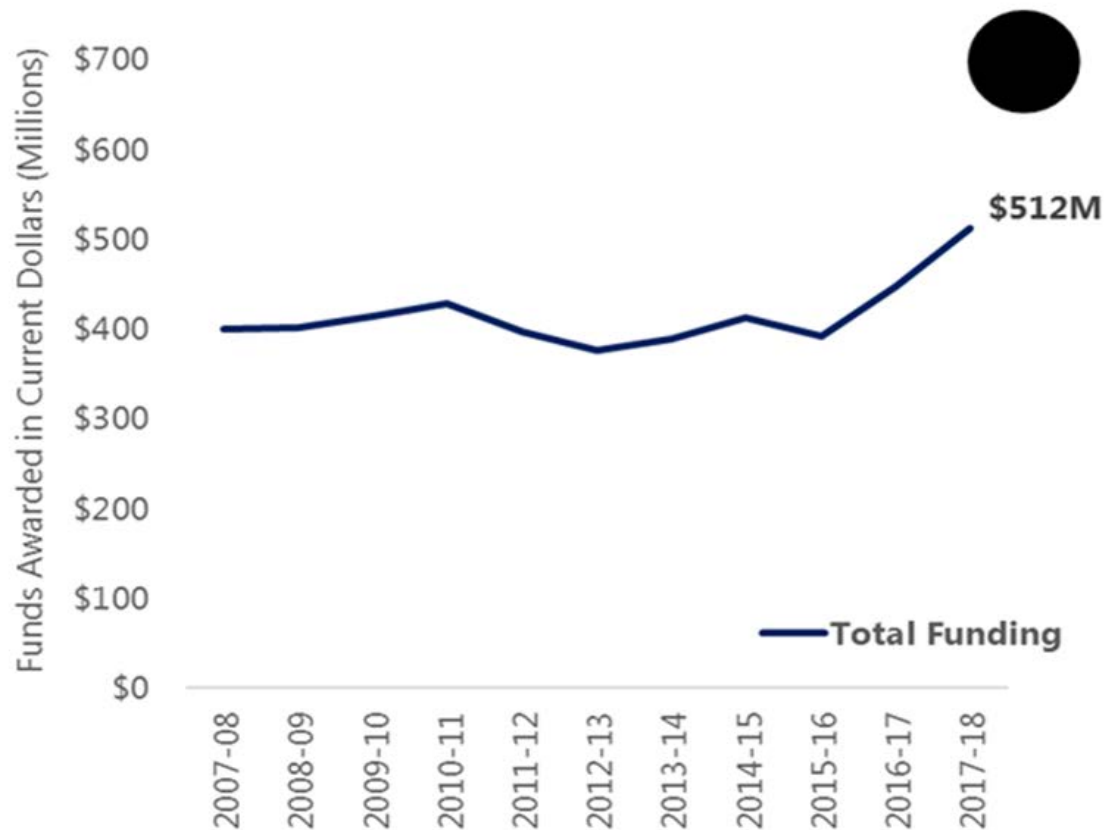
\$1.2B
total funding
across three
campuses and
nine partner
hospitals.



2017 Highlights

Research Funding

U of T without Partner Hospitals
All Sources of Funding (2007-08 / 2017-18)

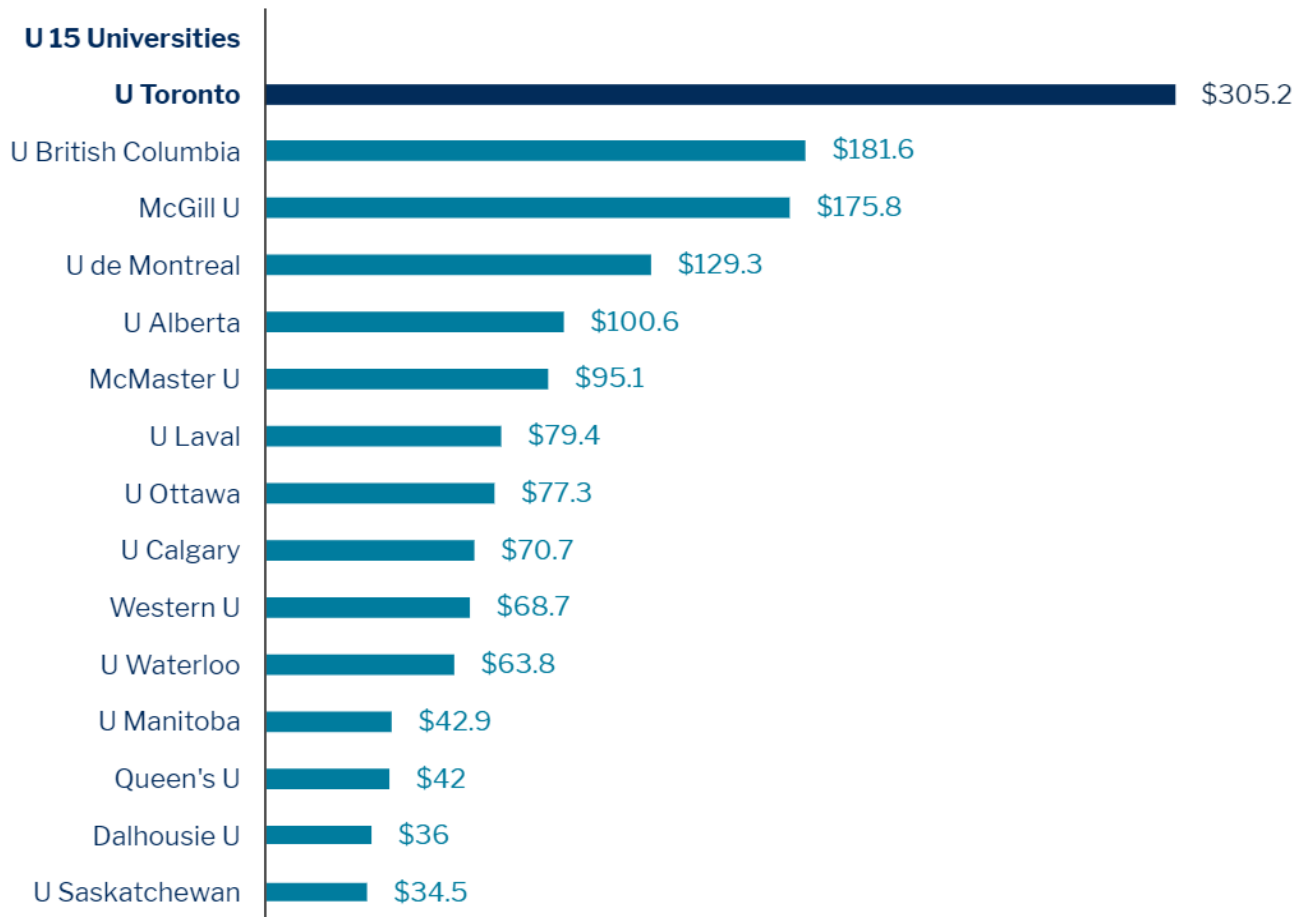


2017 Highlights

Research Funding

Tri-Agency Funding to U15 Universities (2016-17)

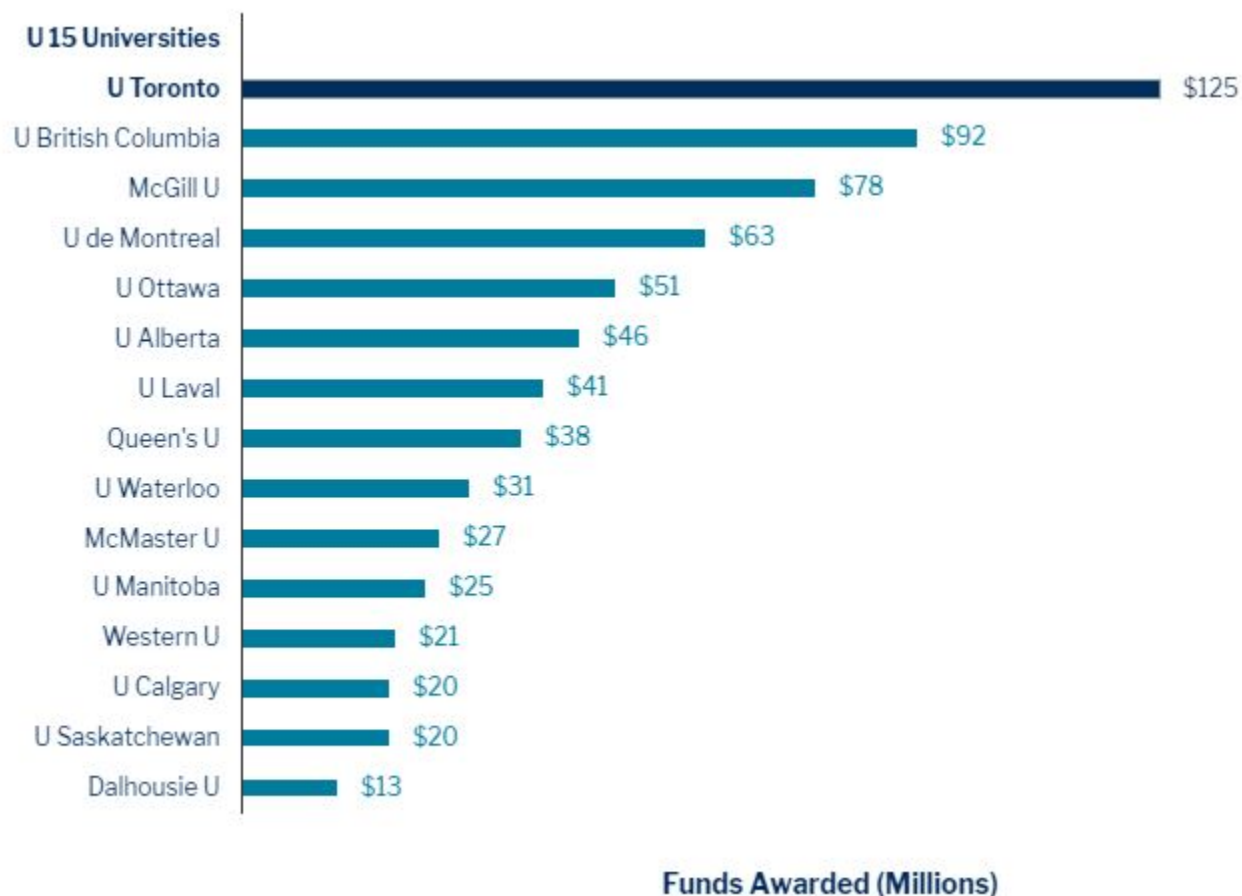
15.7%
of the
country's
Tri-Agency
funding.



2017 Highlights

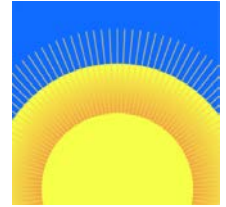
Research Funding

CFI Funding to U15 Universities (2011-12 / 2016-17)



DVPRI Priorities 2018-19

Demonstrate National and Global Leadership in Research and Innovation



- Advocate to shape and then respond to new government research initiatives – including:
 - 2018 Federal Budget – Tri-Agencies programs, Canada Research Chairs, fellowship funding, intellectual property, cluster strategy, innovation strategy, digital research infrastructure & data management.
 - Provincial – responding to the Ontario Research Fund and other reviews.

DVPRI Priorities 2018-19

Foster Collaborations, Partnerships, & Engagement



- Find innovative approaches to support research, partnership & entrepreneurship activities that engage our local & global communities – including:
 - Development & launch of new Community Partnership Labs funding for academic divisions
 - Support international entrepreneurship strategies

DVPRI Priorities 2018-19

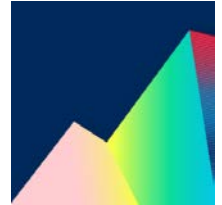
Advance Equity, Diversity, & Inclusion Across Research & Innovation



- Continue responding to the recommendations of the Equity and Diversity in Research & Innovation Working Group
- Continue to work towards our institutional commitments for our [CRC Equity, Diversity and Inclusion Action Plan](#)

DVPRI Priorities 2018-19

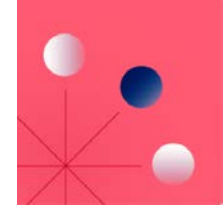
Support Integration of Research & Innovation in Student Curricular & Co-Curricular Experience



- Continue to collaborate with Vice-Provost-IUE in assessing the online research opportunities catalogue
 - Includes development of new ACORN course tagging for research and innovation
- Support entrepreneurship-related work integrated learning through enhancement of UofT Entrepreneurship & network of Campus-Linked Accelerators

DVPRI Priorities 2018-19

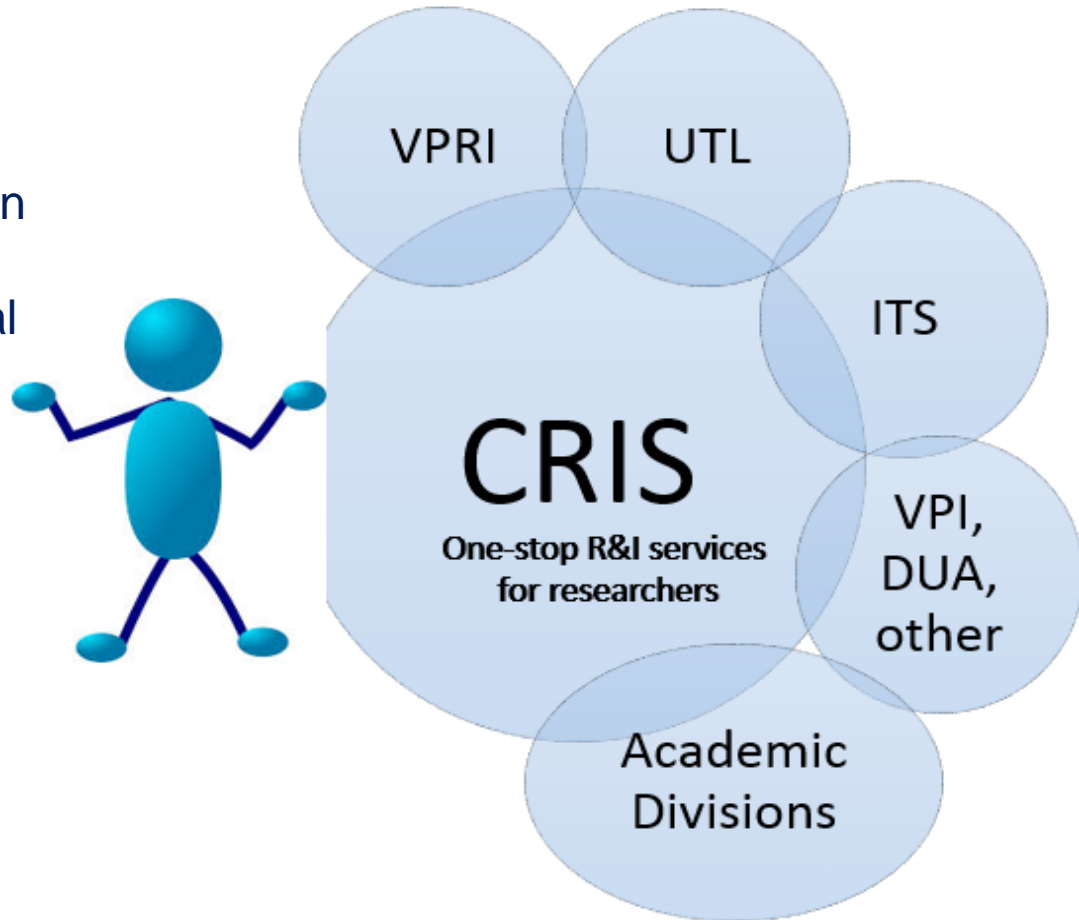
Strengthen the Institutional Supports that Foster Research & Innovation Excellence



- Develop and implement supports for our academic divisions to meet the needs of our researchers
- And to meet performance-based research and innovation metrics

New - Centre for Research & Innovation Support (CRIS)

Researcher-centred,
practical, and focused on
supporting researchers,
innovators and divisional
research offices.



CRIS

- 1) Broker access to existing supports and resources offered by university-wide units and academic divisions; visible and integrated hub where researchers can learn about and access services.
- 2) Increase visibility of supports to the tri-campus community while providing efficiencies in administrative operations.
- 3) Collaborate to identify gaps and develop services and resources for emerging needs; ensure programming is current, complementary, and supportive.
- 4) Provide centralized access / training for research and innovation information and analytics tools.
- 5) Provide visibility to partners and funders, particularly in the area of research impact.

Cross-Divisional Initiatives

- The VPRI continues to be deeply engaged in the development and submission of an increasing number of applications to high dollar-value funding programs, that involve large-scale, multi-partner and multi-sectoral initiatives.
- Often these opportunities involve government, private-sector and other partners, interdisciplinary approaches, and institutional commitments that span academic divisions.

Evolving Research & Innovation Environment

- The research funding environment is much more complex.
- Requirements have been changing in a number of areas, including expectations for transparency and accountability that create increased demands for oversight and compliance.
- Audit and reporting requirements that are an integral part of research accountability continue to increase.
- Principal investigators are increasingly being asked to lead large interdisciplinary teams and partnerships that entail complex structural, administrative, and funding mechanisms involving different partners, including other universities, hospitals, governments, foundations, agencies, industry, and business.