

RESEARCH AND INNOVATION AT THE UNIVERSITY OF TORONTO

STAR CONFERENCE
FEBRUARY 25, 2020

KENT MOORE

VICE-PRINCIPAL RESEARCH
UTM



UNIVERSITY OF
TORONTO

BOUNDLESS

2019 HIGHLIGHTS

Serving the U of T Community



200+
workshops and
Info sessions

Research Funding

2,700

principal investigators

4,000

new funding applications

\$500M

in funding awarded

9,000

research funds

1,000

sponsors

350 +

private sector partners

1,900

funding programs

Innovation & Entrepreneurship

180

invention disclosures

75

priority patent applications

35

licensing and option
agreements

250

commercialization projects

300+

student-led startup
teams/companies

\$150M

annual startup investment

\$10M

annual sales by startups

Oversight & Compliance

35

external audits

8,270

financial reports and related
oversight

1,600

human ethics protocols

850

animal ethics protocols

150

post-approval reviews

200

lab assessments for animals

14,700

personnel trained in EH&S
programs

1,100

lab safety inspections

425

worksite assessments

1,100

occupational health
assessments

2019 HIGHLIGHTS

- Institutional Strategic Initiatives (ISI), portfolio led by Professor Christine Allen, Associate Vice-President and Vice-Provost, Strategic Initiatives
- Schwartz Reisman Institute for Technology and Society
- 43 new CRCs, 13 renewed
- New, Principles-Based Tri-Agency Guide on Financial Administration
- Expansion of My Research Applications (MRA) to include non-funded research agreements
- New Research and Innovation Website
- Research Funding Dashboards Project
- Centre for Research & Innovation Support (CRIS)

2019 UTM HIGHLIGHTS

- TOTAL RESEARCH REVENUES FROM ALL SOURCES > \$13.1MILLION
- 13 CRCS WITH 2 UNDER REVIEW
- 10-YEAR TRACK RECORD OF INCREASING TRI-COUNCIL REVENUES
- COLLABORATIVE DIGITAL RESEARCH SPACE (CDRS) IN MN
- \$1M IN ADDITIONAL BASE FUNDING TO THE OVPR
 - New Communications Officer & Internal Competitions & Events Coordinator in the OVPR
 - Increase in RSAF
 - 3 of 4 new Senior Research Associates hired
 - 2nd year of post-doctoral fellowships competition
 - New sustainability and high performance computing funds
- WORKING WITH EQUITY & DIVERSITY OFFICER TO ADDRESS GENDER EQUITY AND DIVERSITY ISSUES

2018-19 HIGHLIGHTS

WORLD RANKINGS

U of T Rankings in Most Prominent Global Rankings Systems

Global Rankings

Canadian Rankings

	2018-19	
1. National Taiwan University Ranking (NTU)	4	1
2. US News Best Global Universities	20	1
3. Times Higher Education World University Rankings (THE)	21	1
4. Academic Ranking of World Universities (ARWU)	23	1
5. QS World University Rankings (QS)	28	1

2018-19 HIGHLIGHTS

MAJOR FIELD RANKING RESULTS

First Among Canadian Universities

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

W = World Rankings C = Canadian Rankings



QS 2018	W	C
Life Sciences & Medicine	13	1
Arts & Humanities	22	1
Natural Sciences	23	1
Social Sciences & Management	34	1
Engineering & Technology	43	1

NTU 2018	W	C
Clinical Medicine	3	1
Social Sciences	7	1
Life Sciences	10	1
Natural Sciences	24	1
Agriculture	48	4
Engineering	55	1

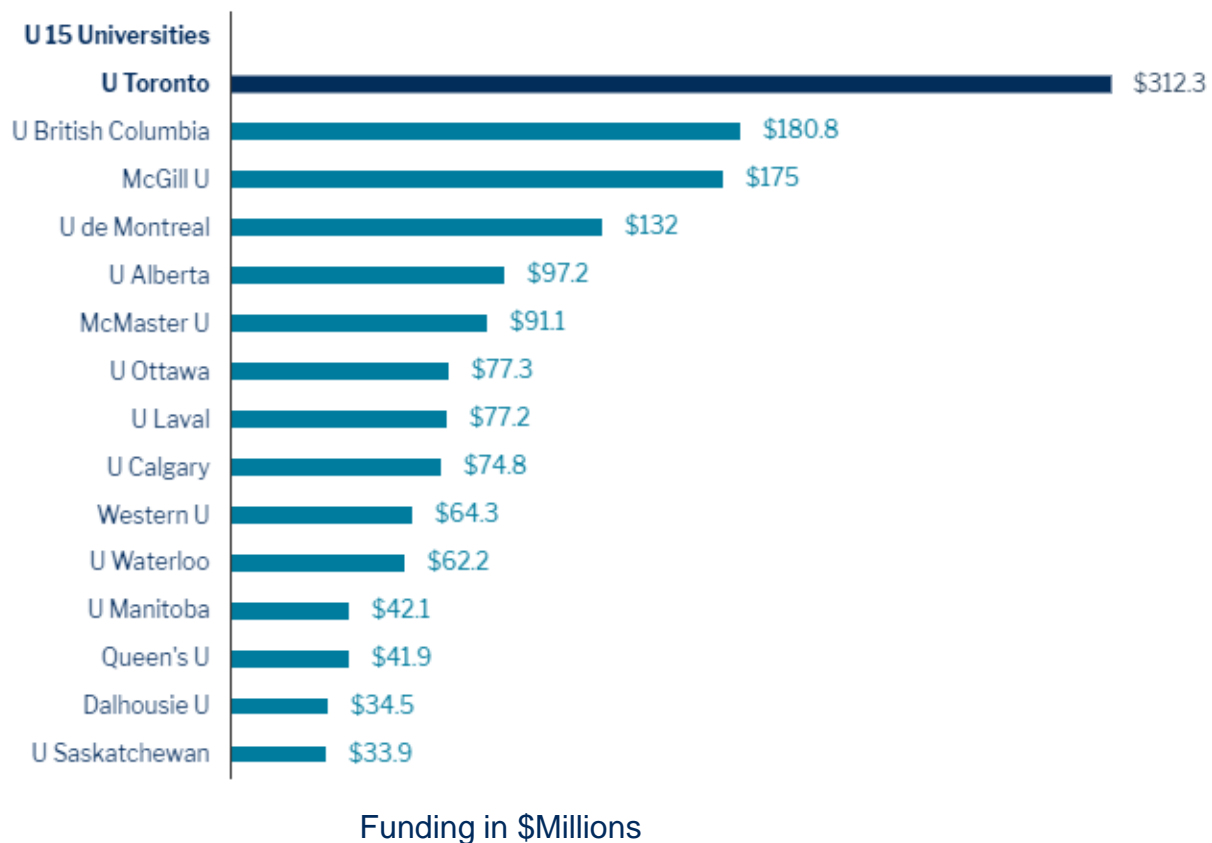
THE 2019	W	C
Law	11	1
Clinical, Pre-clinical & Health	13	1
Education	13	1
Arts & Humanities	18	1
Computer Science	18	1
Psychology	19	2
Life Sciences	24	1
Social Sciences	25	1
Physical Sciences	26	1
Business & Economics	28	2
Engineering & Technology	31	1

2018 HIGHLIGHTS

RESEARCH FUNDING

Tri-Agency Funding to U15 Universities (2017-18)

16%
of the country's
Tri-Agency
Funding



TRI-AGENCY FUNDING

AND WHY IT MATTERS

The federal government is the **largest source of research funding for U of T** and funding is mainly from the tri-agencies.



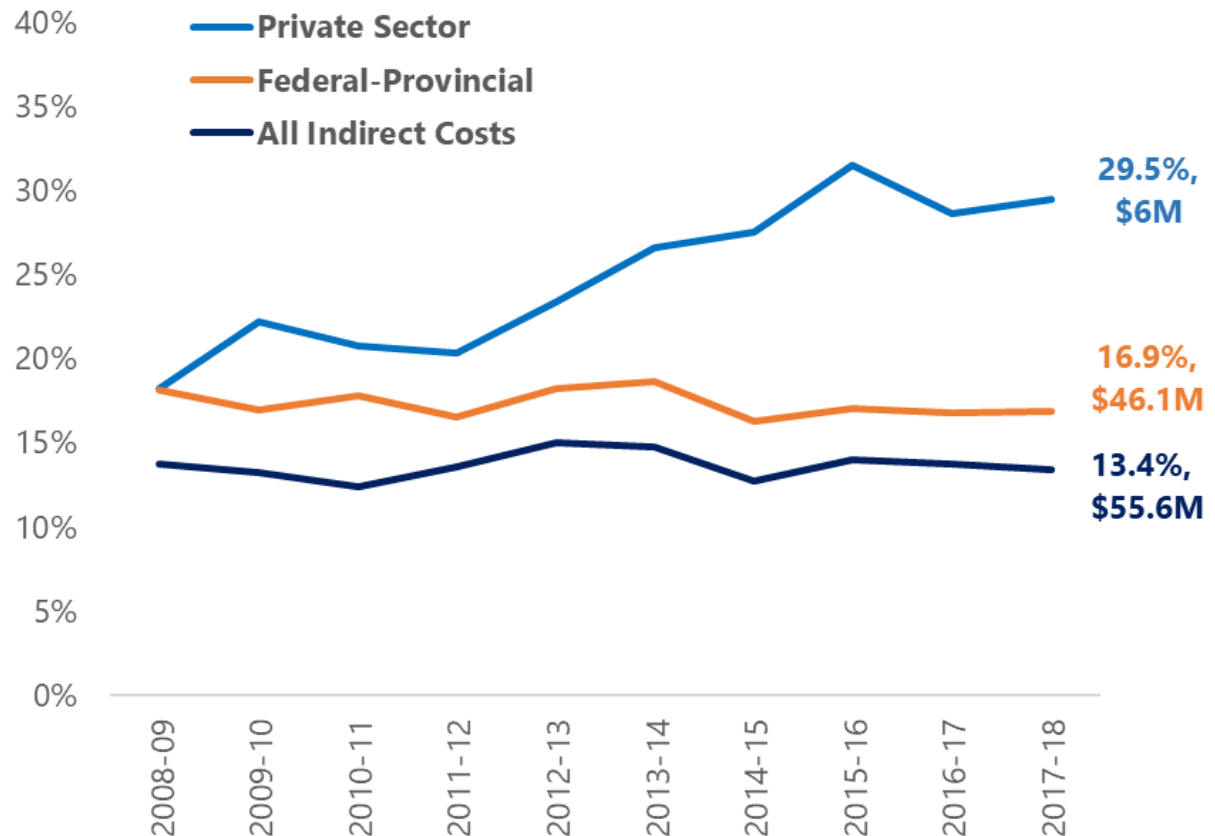
Our share of national tri-agency funding is **used to allocate additional resources** to the university totaling **more than \$100M** in 2018-19.

FULL COSTS OF RESEARCH

ALL SOURCES

U of T without partner hospitals.

Budget process flows to divisions 100% of the research indirect costs they generate.



INSTITUTIONAL STRATEGIC INITIATIVES

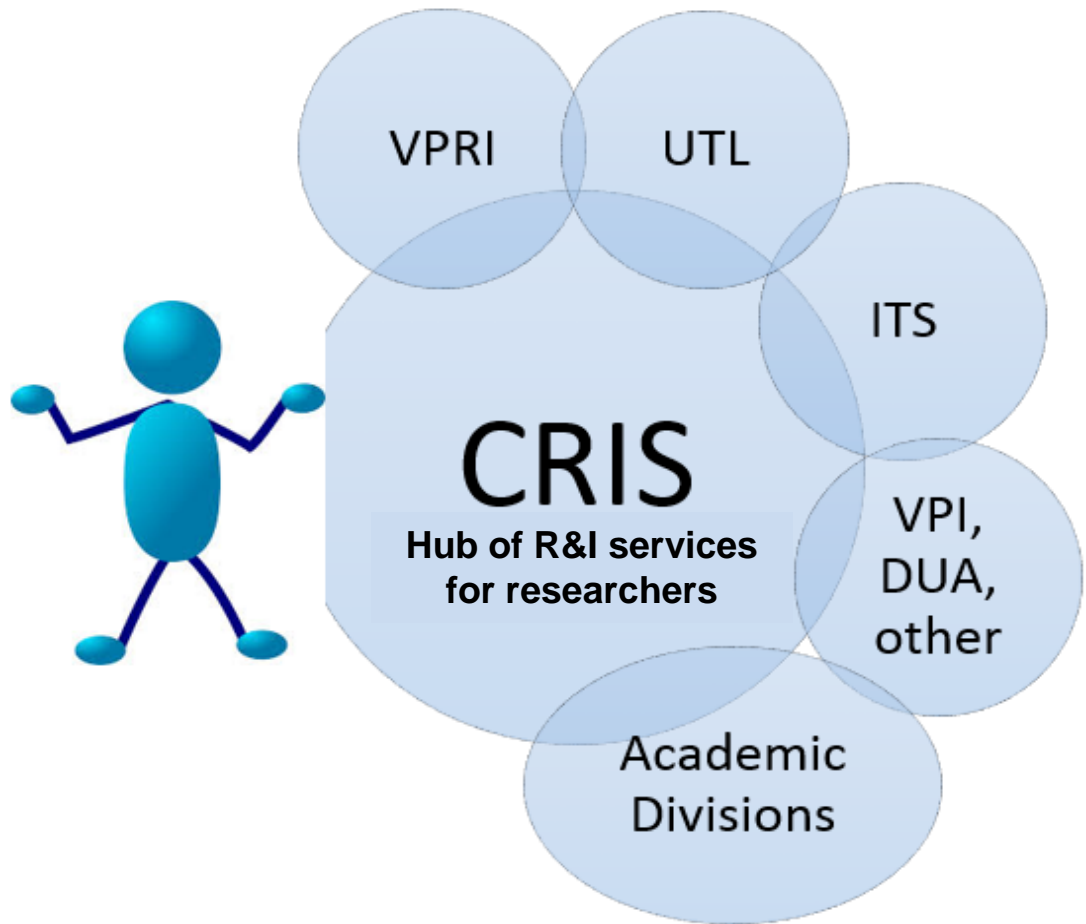
The challenges we face don't fall into one category. Neither does our research.



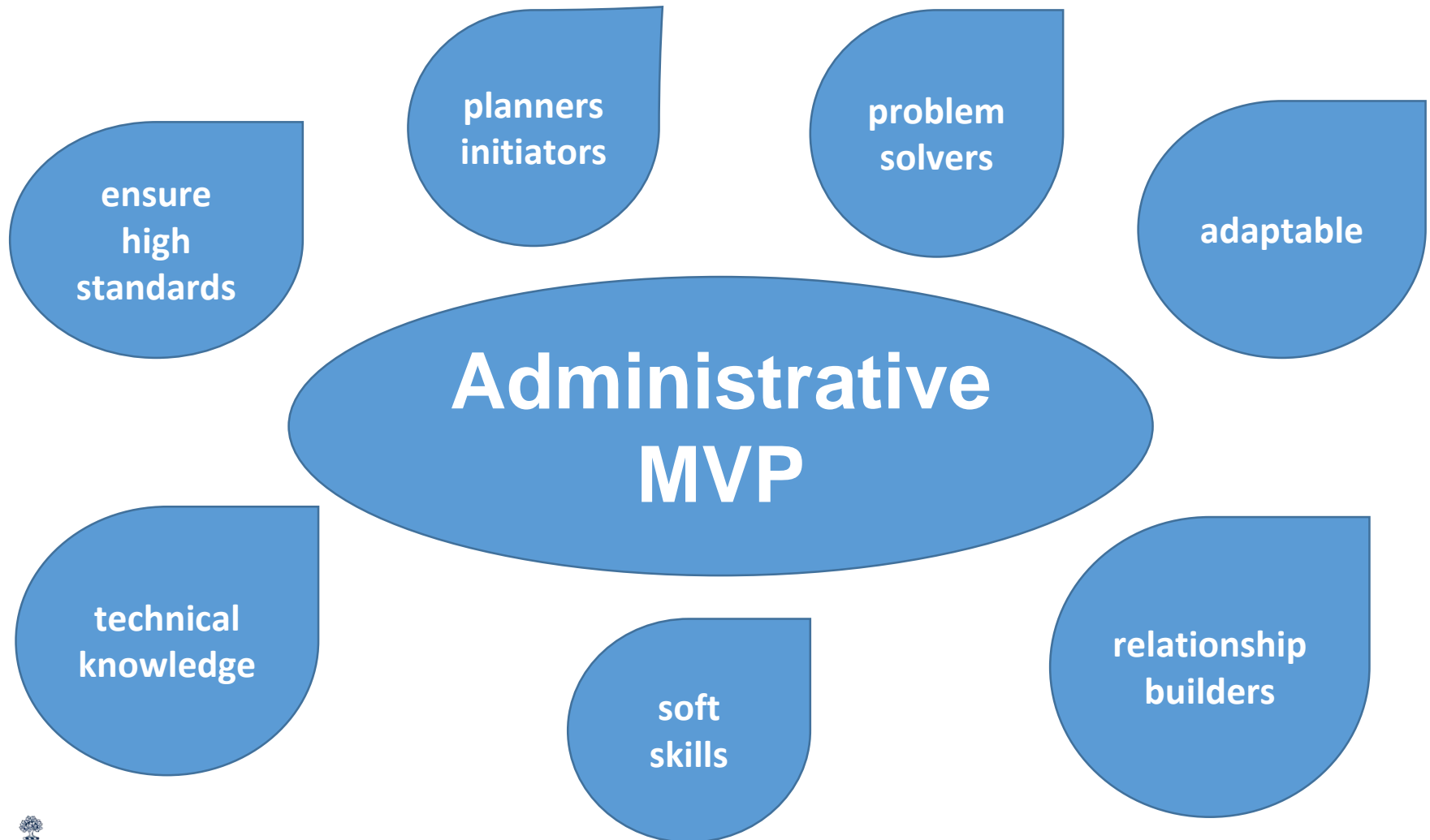
CENTRE FOR RESEARCH SUPPORT AND INNOVATION (CRIS)

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

UTM contacts: Rong Wu and Elizabeth Parke



IMPORTANCE OF THE BUSINESS OFFICER ROLE



EVOLVING RESEARCH AND INNOVATION ENVIRONMENT

The research funding environment is complex and changing.

- transparency and accountability
- audit and reporting requirements
- equity, diversity, and inclusion plans
- large and complex interdisciplinary teams