



FOR INFORMATION

PUBLIC

OPEN SESSION

TO: Academic Board

SPONSOR: Professor Vivek Goel, Vice-President, Research & Innovation
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PRESENTER: See above
CONTACT INFO:

DATE: April 10 for April 17, 2019

AGENDA ITEM: 3

ITEM IDENTIFICATION:

2018 Annual Report, Division of the Vice-President, Research & Innovation

JURISDICTIONAL INFORMATION:

The annual report for the Division of the Vice-President, Research and Innovation is considered by the Academic Board for information. (Academic Board Terms of Reference, Section 5.2.12)

GOVERNANCE PATH:

1. **Academic Board [For Information] (April 17, 2019)**

PREVIOUS ACTION TAKEN:

This report is provided annually to the Academic Board.

HIGHLIGHTS:

The University of Toronto is Canada's leading research and innovation university and is recognized as one of the top universities worldwide. Our exceptional performance nationally and internationally in research and innovation is a reflection of the excellence of our faculty, students, and staff and their collaborations with leading researchers, institutions, and partners.

U of T celebrated numerous significant achievements in research and innovation in 2018, and the Vice-President, Research and Innovation portfolio is proud to support our researchers, innovators, and learners so that they have everything they need to advance understanding and solve real-world problems. Our 2018 Annual Report highlights their accomplishments and the impact of their research, as well as key performance metrics. The report also highlights the activities and service improvements we have implemented in order to support research and innovation.

The attached Executive Summary provides key highlights. Please explore 2018.research.utoronto.ca to learn more about how we continue to build a portfolio that serves a world-class institution that aspires to even higher levels of achievement.

FINANCIAL AND/OR PLANNING IMPLICATIONS:

None

RECOMMENDATION:

For information only.

DOCUMENTATION PROVIDED:

Executive Summary of 2018 Annual Report – Research and Innovation Impact, Division of the Vice-President, Research & Innovation

Link to full online report: 2018.research.utoronto.ca

U of T is the Place

Top 5

Among the Top 5 universities in the world that excel across a broad range of disciplines

#1

The most innovative university in Canada according to Reuters' annual ranking of the world's 100 most innovative universities

...to find extraordinary breadth and depth of academic excellence across U of T's three campuses and nine partner hospitals

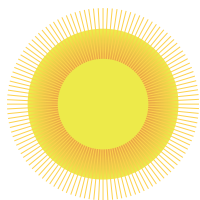
...where our researchers and innovators are having an impact beyond the university and improving lives around the world

...where faculty and students are turning ideas into innovative products, services, and companies

...where equity, diversity and inclusion strengthen the quality, relevance and impact of research and training

...that supports our scholars and learners to advance understanding and solve real-world problems

Leadership in Research & Innovation



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

First Among Canadian Universities

U of T is among the world's top research- and innovation-intensive universities and typically ranks first among Canadian universities in a broad range of disciplines

U of T Major Field Ranking Results

W = World Rankings **C = Canadian Rankings**



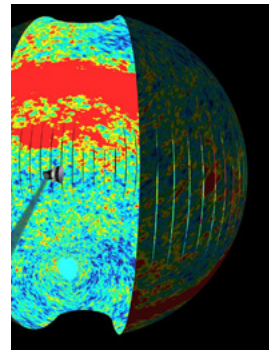
QS 2018	W	C	THE 2019	W	C
Life Sciences & Medicine	13	1	Law	11	1
Arts & Humanities	22	1	Clinical, Pre-clinical & Health	13	1
Natural Sciences	23	1	Education	13	1
Social Sciences & Management	34	1	Arts & Humanities	18	1
Engineering & Technology	43	1	Computer Science	18	1
			Psychology	19	2
			Life Sciences	24	1
			Social Sciences	25	1
			Physical Sciences	26	1
			Business & Economics	28	2
			Engineering & Technology	31	1

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

Award-Winning Researchers & Innovators



Tanya Li (Anthropology)
SSHRC Impact Award



Richard Bond, Peter Martin, and Barth Netterfield (Physics)
Gruber Cosmology Prize

Awards Leader

U of T has 6% of Canada's professorial faculty, yet our researchers amass a dominant share of prestigious Canadian and international honours.



Frances Shepherd (Medicine)
Canada Gairdner Wightman Award

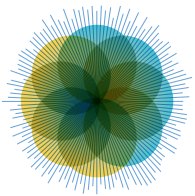


Paul Young (Civil & Mineral Engineering)
Royal Academy of Engineering

Research & Innovation Funding

Research Funds Awarded to U of T and Partner Hospitals by Sector (2017-18)

Total Funding = **\$1.3B**

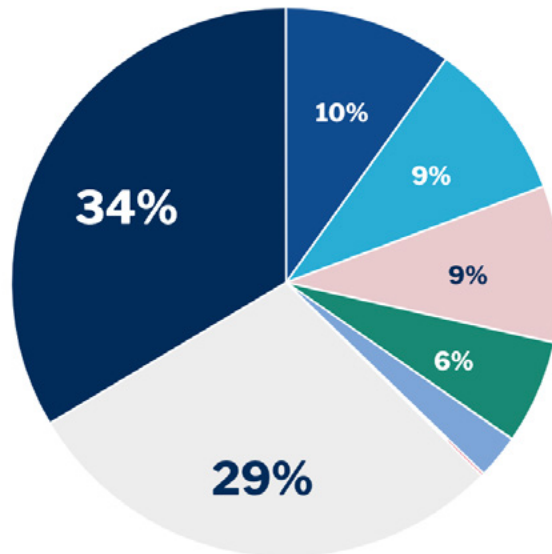


\$1.3B

total funding across three campuses and nine partner hospitals

16%

of Canada's Tri-Agency research funding



- **Federal Granting Agencies**
\$427M (34%)
- **Not-For-Profit**
\$370M (29%)
- **Private Sector**
\$120M (9%)
- **Inter-Institutional Collaboration**
\$78M (6%)
- **Government of Ontario**
\$117M (9%)
- **Other Federal**
\$126M (10%)
- **Foreign Government**
\$33M (3%)
- **Other Domestic Government**
\$2M (0.1%)

Innovation & Startup Powerhouse

500+
start-ups

U of T entrepreneurs have created over 500 start-up companies, generating more than \$1 billion in investment over the past decade.



True Blue Expo, U of T's annual showcase of startups and entrepreneurship, at the MaRS Discovery District (photo by Nick Iwanyszyn)

U of T is the place where research excellence is feeding innovation and entrepreneurship. Our faculty and students are getting their ideas into the marketplace, contributing to the Ontario and Canadian economies and improving lives around the world.

Serving the U of T Community



Equity, Diversity and Inclusion

The VPRI is committed to ensuring students, postdoctoral fellows, faculty, and staff work in an environment where the principles of equity, diversity and inclusion are woven into the fabric of research and innovation.

Each year the VPRI portfolio supports the U of T community by managing, negotiating and supporting the activities highlighted below

Research Funding

2,800 principal investigators	4,000 new funding applications	\$500M in funding awarded	9,000 research funds	1,000 funding 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+ entrepreneurial events
\$150M in annual startup investment	\$10M in annual sales			

Oversight & Compliance

40 external audits	8,900 financial reports	1,600 new 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 worksites assessments	800 occupational health assessments		