



FOR INFORMATION

PUBLIC

OPEN SESSION

TO: Academic Board

SPONSOR: Professor Vivek Goel, Vice-President, Research & Innovation
CONTACT INFO: 416-978-4984, vp.research@utoronto.ca

PRESENTER: See above
CONTACT INFO:

DATE: April 12, 2018 for April 19, 2018

AGENDA ITEM: 3

ITEM IDENTIFICATION:

2017 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 5.1.)

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 2017, and the Vice-President, Research and Innovation portfolio is proud to have played a supportive role in helping our researchers and innovators do what they do best—acquire and apply new knowledge and advance understanding. Our 2017 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 2017.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 2017 Annual Report – Research and Innovation Impact, Division of the Vice-President, Research & Innovation

Link to full online report: 2017.research.utoronto.ca

U of T is the Place

Top 5

Universities in the world
that excel across a broad
range of disciplines

University-managed
business incubators
in the world (U of T
Entrepreneurship)

...for finding extraordinary breadth of academic
excellence across our three campuses and nine
partner hospitals

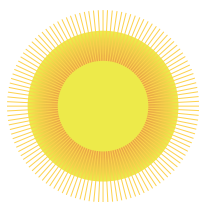
...where our researchers are having an impact
beyond the university

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

...that values equity, diversity and inclusion within
our research and innovation environments

...that supports our scholars and learners in their
quest to advance understanding and improve lives
around the world

Leadership in Research & Innovation



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

First Among Canadian Universities

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

U of T Major Field Ranking Results

W = World Rankings C = Canadian Rankings



QS 2018			THE 2018		
	W	C		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					
	W	C			
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

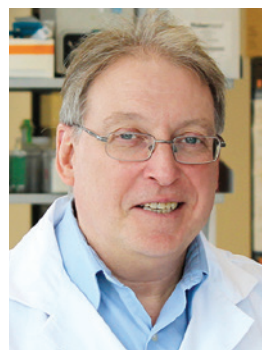
Award-Winning Researchers & Innovators

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.



Janet Rossant
L'Oréal-UNESCO
Outstanding
Woman in Science



Paul Santerre
Governor General's
Innovation Award

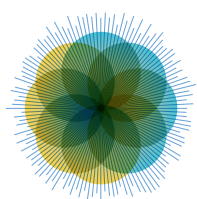


Audrey Macklin
Trudeau Fellowship



Lewis Kay
Canada Gairdner
International Award

Research & Innovation Funding



\$1.2B

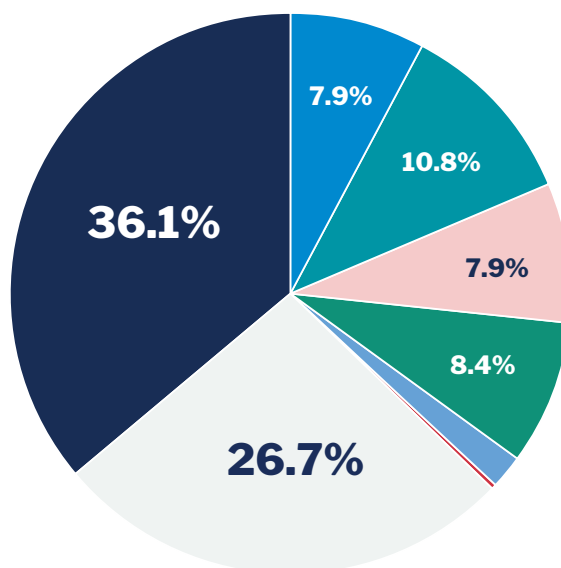
total funding across
three campuses and
nine partner hospitals

15.7%

of Canada's Tri-Agency
Research Funding

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

Total Funding = **\$1.2B**



- Federal Granting Agencies**
\$418M (36.1%)
- Not-For-Profit**
\$310M (26.7%)
- Private Sector**
\$125M (10.8%)
- Inter-Institutional Collaboration**
\$97M (8.4%)
- Government of Ontario**
\$92M (7.9%)
- Other Federal**
\$92M (7.9%)
- Foreign Government**
\$24M (2.1%)
- Other Domestic Government**
\$1M (0.1%)

Innovation & Startup Powerhouse

Three years U of T and partner hospitals

1,249
disclosures

434
licenses & options

70
IP-based startups



Selected U of T startups from left to right: Nymi, Nanoleaf, ChipCare, and Blue J Legal.

U of T is the place where research excellence comes together with a collaborative entrepreneurial spirit. U of T entrepreneurs tackle global challenges and solve real-world problems.

Serving the U of T Community



Equity, Diversity and Inclusion

The VPRI is working to ensure that equitable and inclusive principles prevail within our research and innovation environment, and that UofT scholars and learners have all the supports they need to advance understanding and improve lives around the world.

Each year the VPRI manages, negotiates, and supports the activities below.

Research Funding

2,800 principal investigators	3,900 new funding applications	\$400M in funding awarded	8,900 research funds	1,000 funding sponsors	300+ private sector partners
1,700 funding programs	130 workshops and info sessions				

Innovation & Entrepreneurship

180 invention disclosures	60 priority patent applications	35 licensing agreements & options	220 commercialization projects	200+ entrepreneurial events	30,000+ youth attendees
~200 volunteer mentors	200+ student-led startup teams/ companies	\$50M+ in annual startup investment			

Accountability & Reporting

40 external audits	7,200 financial reports	1,300 new human ethics protocols	490 new animal ethics protocols	30 post-(ethics) approval reviews - human	35 post-(ethics) approval reviews - animal
------------------------------	-----------------------------------	--------------------------------------------	-------------------------------------------	-----------------------------------------------------	------------------------------------------------------

Health & Safety

12,200 personnel trained	1,125 lab safety inspections	221 worksites assessments	1,100 occupational health assessments
------------------------------------	----------------------------------------	-------------------------------------	-------------------------------------------------