



VPRI Annual Update 2018

Dr. Robert Haché, Vice-President Research & Innovation

Royal Society of Canada 2018

Division of Humanities



Joan Judge
Department of History,
Faculty of Liberal Arts &
Professional Studies

Division of Arts



Paul Sych
Department of Design,
School of the Arts,
Media, Performance &
Design

Division of Social Science



Wenona Giles
Department of
Anthropology, Faculty
of Liberal Arts &
Professional Studies



David Vaver
Osgoode Hall Law
School

College of New Scholars, Artists and Scientists



John Moores
Department of Earth
and Space Science &
Engineering, Lassonde
School of Engineering

Canada Research Chairs 2018

Tier 1



Kate Tilleczek
Faculty of
Education
CRC in Young
Lives, Education
and Global



Michael Brown
Lassonde
School of
Engineering
CRC in
Computer Vision



Georg Zoidl
Faculty of Health
& Faculty of
Science
CRC in Molecular
and Cellular
Neuroscience



John Tsotsos
Lassonde
School of
Engineering
CRC in
Computational
Vision



Gordon Flett
Faculty of
Health
CRC in
Personality and
Health

Tier 2



Regina Rini
Faculty of Liberal
Arts & Professional
Studies
CRC in Philosophy
of Moral and Social
Cognition



Ethel Tungohan
Faculty of Liberal
Arts &
Professional
Studies
CRC in
Canadian
Migration Policy,
Impacts and
Activism



Steven Connor
Faculty of
Science
CRC in
Neurophysiology



Isaac Smith
Lassonde School
of Engineering
CRC in Planetary
Science

York Research Chairs

Tier I



James Elder
Human and Computer
Vision



Les Jacobs
Human Rights and
Access to Justice



Lauren Sergio
Brain Health and
Skilled
Performance



**Richard
Wildes**
Computation
Vision



Dan Zhang
Advanced
Robotics and
Mechatronics

Tier II



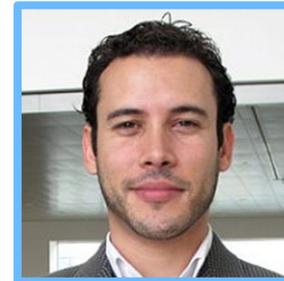
Huaiping Zhu
Applied
Mathematics



Jacob Beck
Philosophy of
Visual
Perception



Dayna Scott
Environmental Law
and Justice in the
Green Economy



Jonathan Weiss
Autism and
Neurodevelopmental
Disability



Derek Wilson
Molecular
Mechanisms of
Disease

Recognizing Leadership in Research 2018

President's Research Excellence Award 2018



Doug Crawford
Faculty of Health
Distinguished Research
Professor in Neuroscience
and Canada Research
Chair in Visual-Motor
Neuroscience

President's Emerging Research Leadership Award 2018



Sapna Sharma
Faculty of Science
York Research Chair
in Global Change
Biology

Other Notable Awards 2018

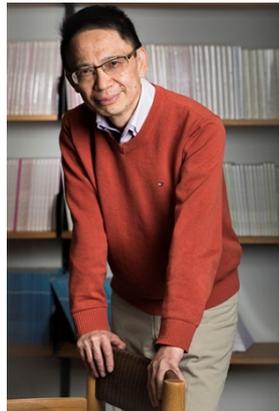
**SSHRC Impact Award
(Partnership Category)**



Carla Lipsig-Mummé
Faculty of LA&PS
Professor of Work and
Labour Studies

PI: “Adapting Canadian Work
and Workplaces to Respond
to Climate Change” project

**NSERC/ Sanofi Industrial
Research Chair in
Vaccine Mathematics,
Modelling and
Manufacturing**



Jianhong Wu
Department of Mathematics &
Statistics, Faculty of Science

**Humboldt Research
Award from the
Alexander von Humboldt
Foundation**



Matthias Kipping
Richard E. Waugh Chair in
Business History
Schulich School of Business

**2018 Killam Research
Fellowship by the
Canada Council for the
Arts**



Deanne Williams
Department of English,
Faculty of LA&PS

Canada Research Chairs

Achieving York's Canada Research Chairs Equity, Diversity and Inclusion (EDI) Action Plan targets

- Individual meetings with all Search Committees
- New checklist has been developed to help Search Committees
- Office of VPRI to provide recruitment process support
- Requesting current CRCs to self-identify if haven't already done so

Canada Research Chairs

<u>FDG Category</u>	<u>Occupancy- Current CRCs</u>	<u>Occupancy- Pending CRCs</u>	<u>Required Target with 39 CRCs filled</u>	<u>Gap</u>
Women	7	8	14 (25%)	6
Visible minorities	4	4	6 (15%)	2
Persons with disabilities	N/A	N/A	N/A	N/A
Aboriginal Peoples	N/A	N/A	N/A (less than 1 Chair)	N/A

York has received 4 new chairs, increasing our total allocation to **39 chairs**

There are currently:

- 27 filled CRCs
- 4 nominations and 1 renewal pending
- 9 CRC searches underway

York Research Chairs Statistics

FDG Category

31 Active Chairs

Women	35%	(11 Chairs)
Visible minorities	25%	(8 Chairs)

Affiliation

Chairs

31 Active Chairs

Social Science and Humanities	11
Natural Sciences/ Health/ Engineering	21
Centrally Supported	20
Faculty-Based	5
VISTA Funded	7

Research Performance: Building Capacity for Research Success

SSHRC  CRSH

- Awarded 2 Partnership grant =\$5M – Tamara Daly, Faculty of Health & Janine Marchessault, AMPD
- 26 Insight grants =\$4.2M
- 20 Insight Development grants = \$1.1M
- 3 Special Call: Indigenous Research Capacity & Reconciliation



- 7 Early Researcher Awards



- 53 Discovery grants =\$7.1M, (70% success rate)
- 1 Collaborative Research & Training Experience Program=\$1.6M

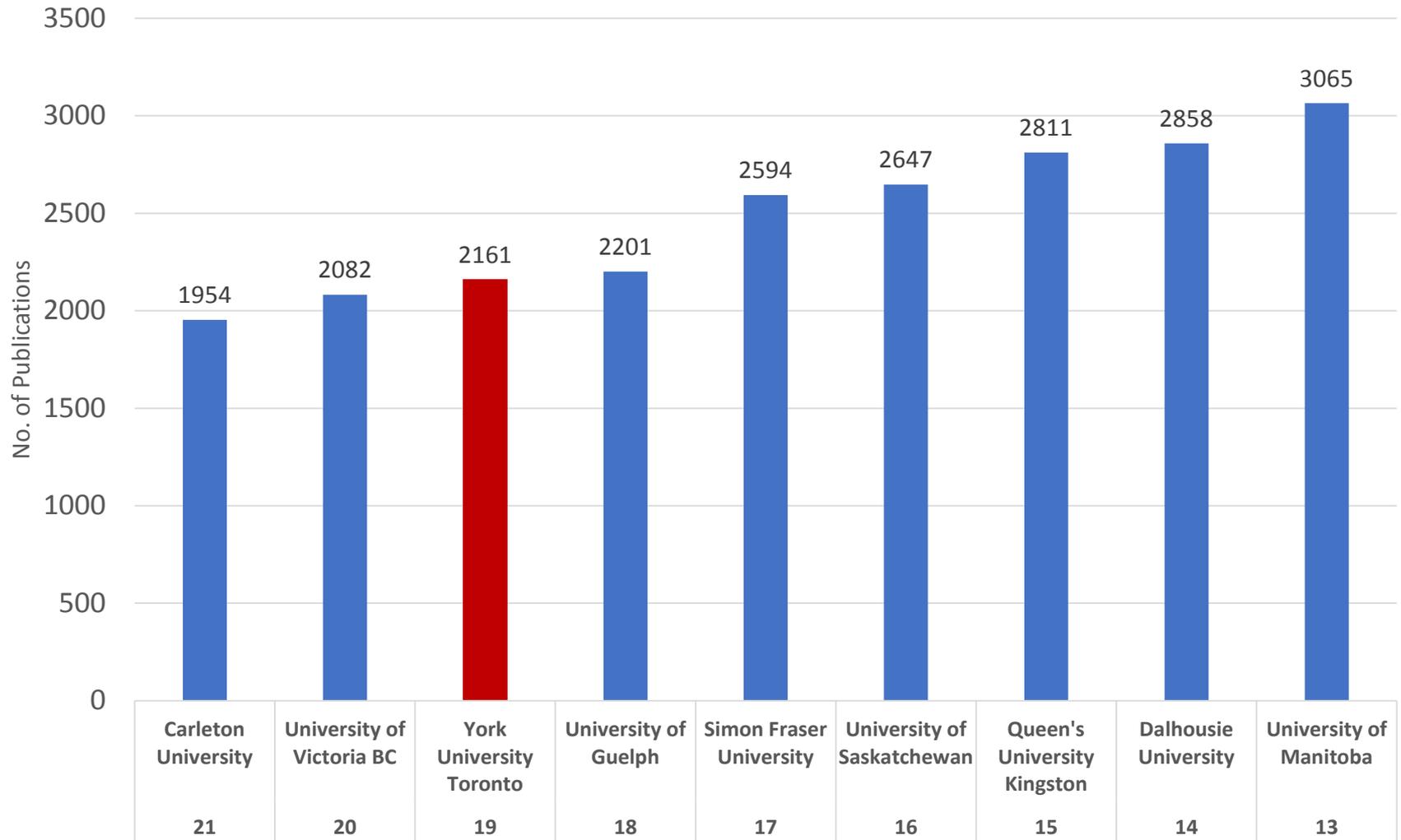


- 14 awards in the John R. Evans Leaders Fund (JELF)



Research Productivity – Number of Publications 2017

Source: SciVal Data

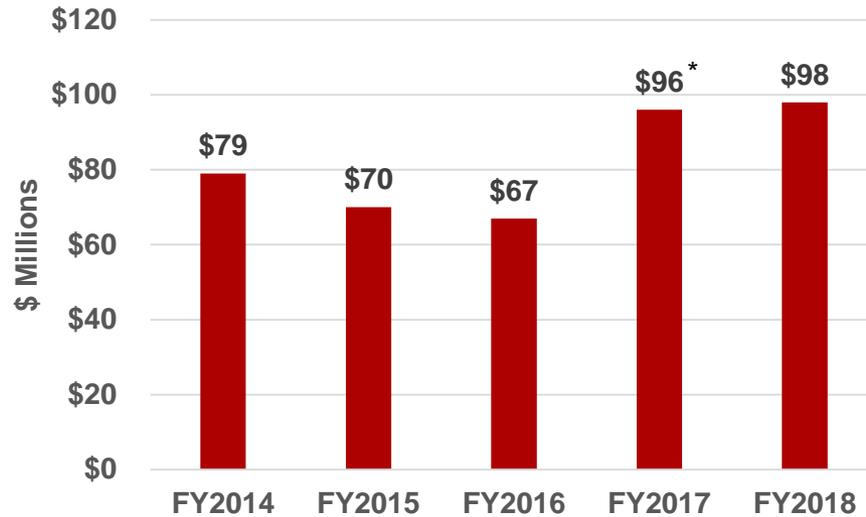


Ranking out of 49 Canadian Universities

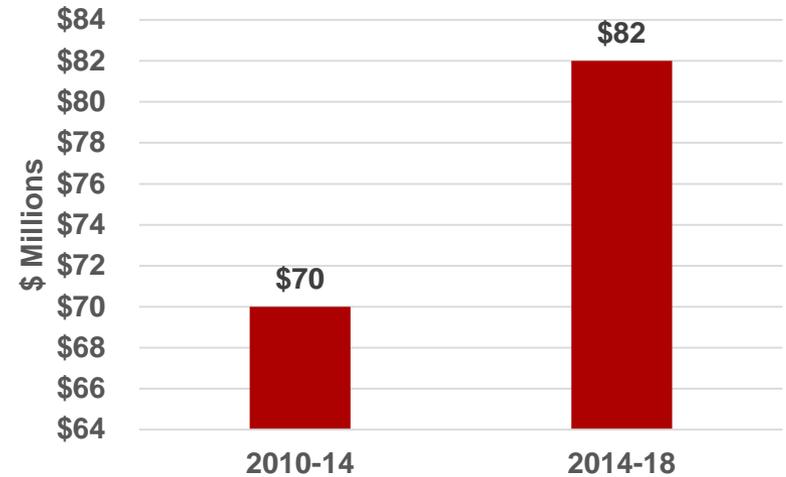


York's Sponsored Research Income

Total Sponsored Research Income



Average Total Sponsored Research Income



Ranked #21 in Canada 2014-2017



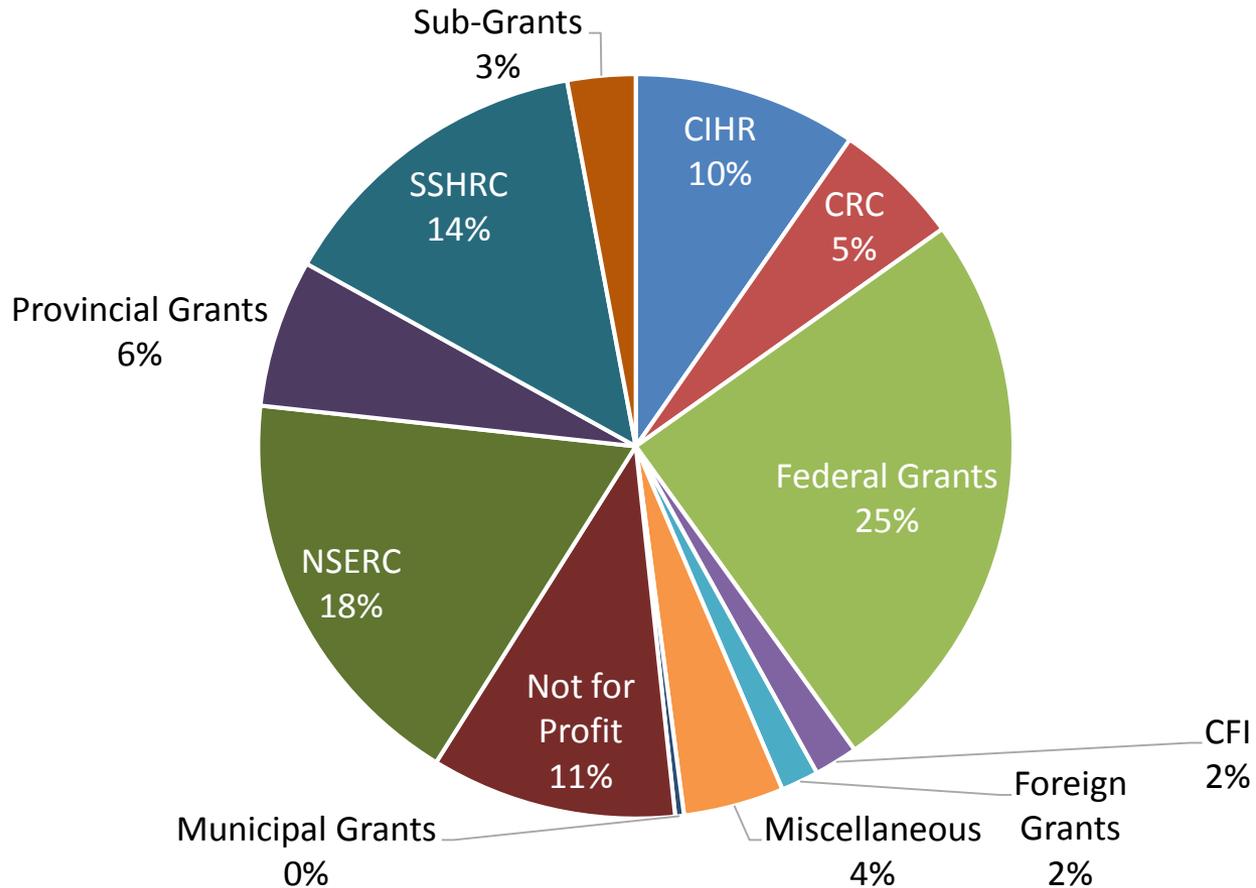
* 2018 Research Infosource

National Rankings 2018 RESEARCH Infosource

Rank		University	Sponsored Research Income		Research Intensity
2017	2016		FY2017 \$000	FY2016 \$000	\$ per Faculty \$000
15	16	Dalhousie	\$150,038	\$135,958	\$130.2
16	15	Guelph	\$140,294	\$148,911	\$184.1
17	18	Simon Fraser	\$138,964	\$109,916	\$156.3
18	17	Sherbrooke	\$132,455	\$133,180	\$115.6
19	19	Victoria	\$114,922	\$99,589	\$170.0
20	20	Memorial	\$111,778	\$91,178	\$111.3
21	21	York	\$96,030	\$66,566	\$73.0
22	22	UQAM	\$67,790	\$63,935	\$61.1
23	24	INRS	\$64,434	\$55,748	\$426.7
24	23	Carleton	\$54,369	\$58,690	\$67.9
25	25	Concordia	\$53,099	\$50,810	\$65.4
26	27	New Brunswick	\$48,206	\$38,128	\$105.3
27	26	Ryerson	\$47,832	\$47,130	\$61.5
28	30	Laurentian	\$32,068	\$23,444	\$79.2

* Sponsored research income: includes all funds to support research received in the form of a grant, contribution or contract from all sources external to the institution.

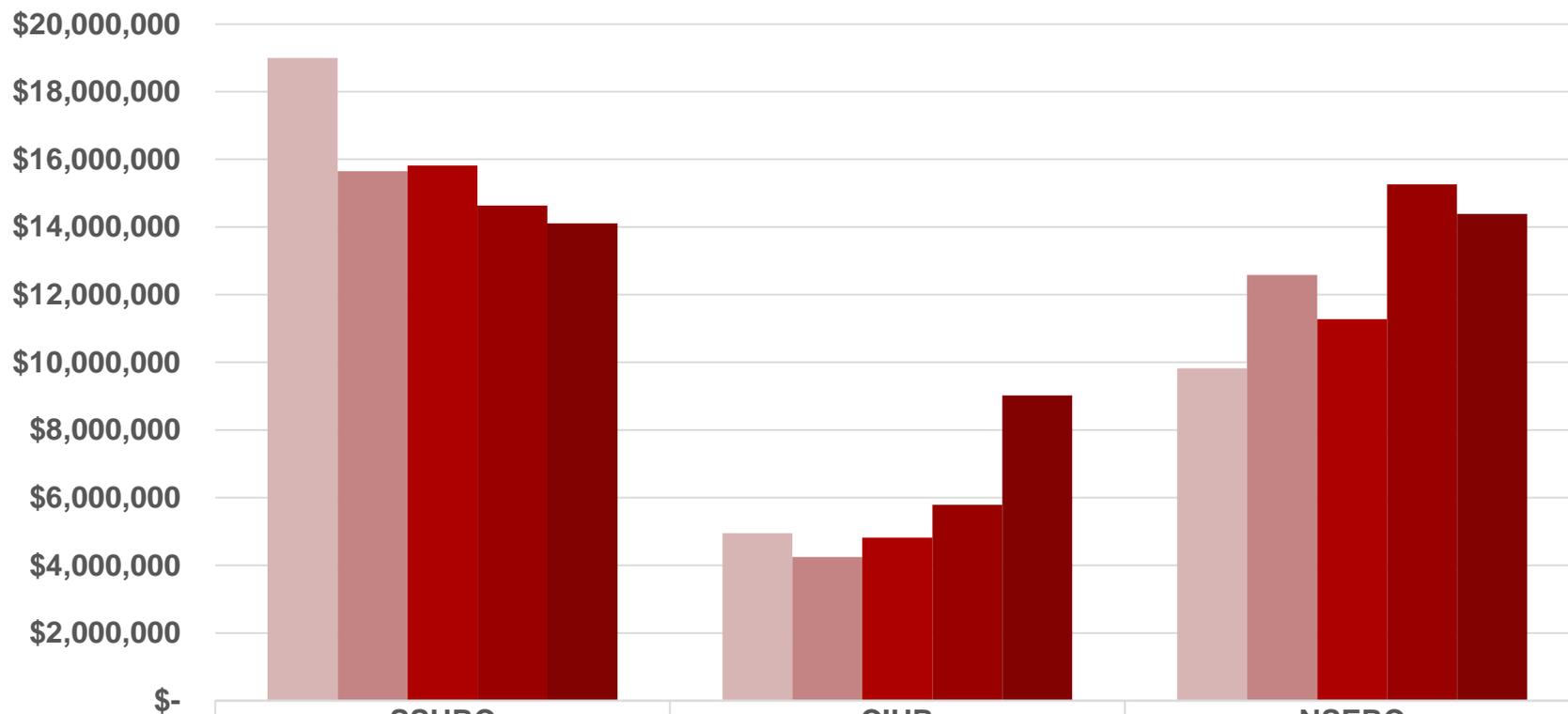
York Research Grant Funding by Source



Fund 500 revenues by funder, April 1, 2017 to March 31, 2018

York Tri-Council Research Funding 'Federal Grants' Funding

Source: COFO Financial Report of Ontario Universities



	SSHRC	CIHR	NSERC
2013-14	\$18,999,000	\$4,952,000	\$9,822,000
2014-15	\$15,647,000	\$4,252,000	\$12,584,000
2015-16	\$15,821,888	\$4,820,227	\$11,280,424
2016-17	\$14,637,534	\$5,793,773	\$15,263,109
2017-18	\$14,105,055	\$9,025,416	\$14,391,370

total values for the three agencies under sponsored research are the amount which Research Accounting provides for fund 500 revenue plus the SSHRC and NSERC scholarships in fund 600

Other Expressions of York's Scholarly & Creative Leadership

Creative Activity (eg:)

- New research in visual media archives
- Advancements in immersive digital storytelling
- Interactive and interdisciplinary art installation “Shadowpox” gets international attention
- Innovative collaborations dedicated to re-engaging Indigenous Canadian voices in visual art and performance
- Raising awareness of climate change with a series of worldwide readings and performances
- Department of Theatre and Winters College turn 50 this year

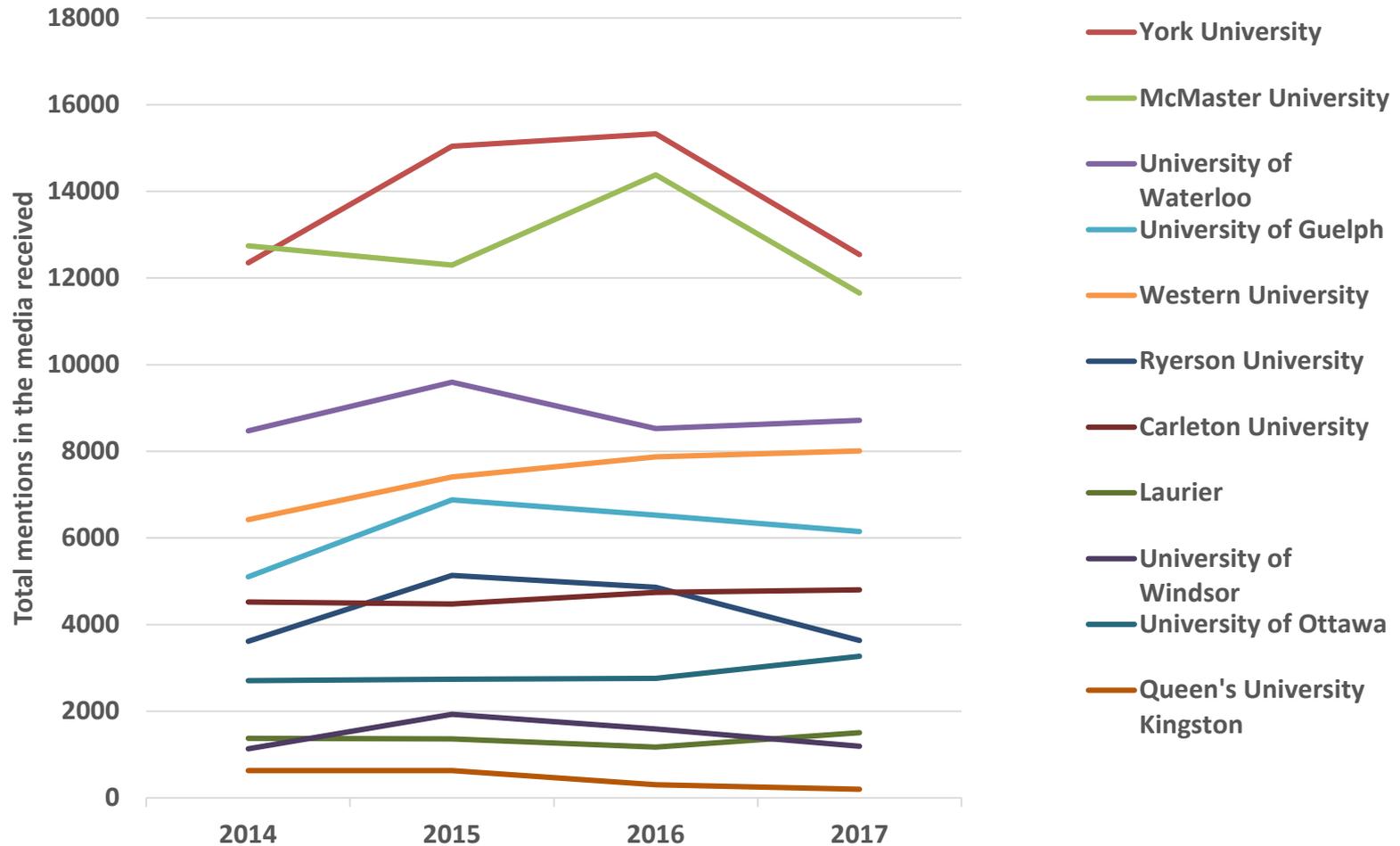


-York continues to be a leader in disciplines where books are the primary form of scholarship

Mass Media- Online Mentions- York Research

Source: SciVal

York U is #2 in Ontario

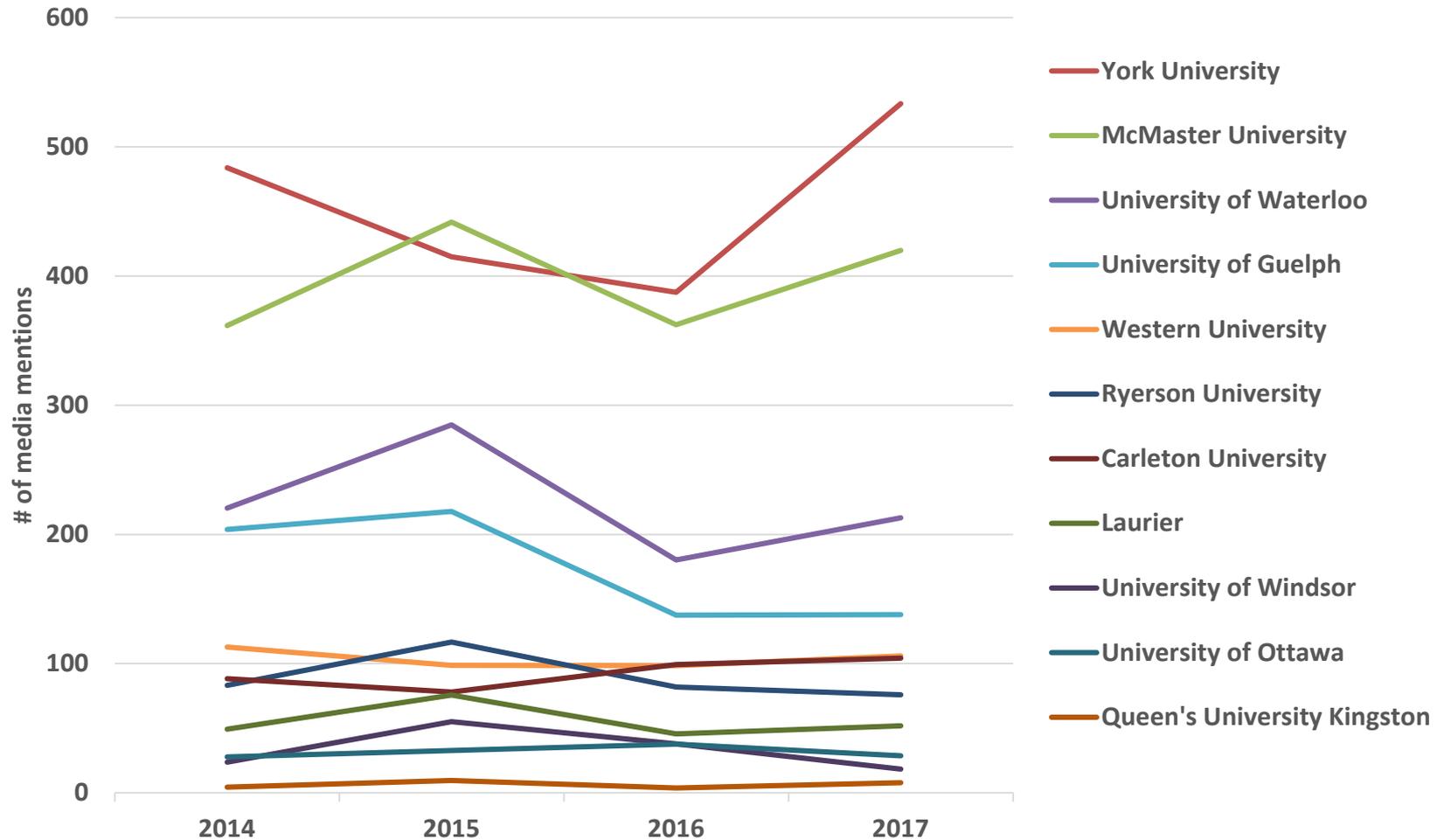


*UofT removed from graph

Media Exposure Print Mentions- York Research

Source: SciVal

York U is #2 in Ontario

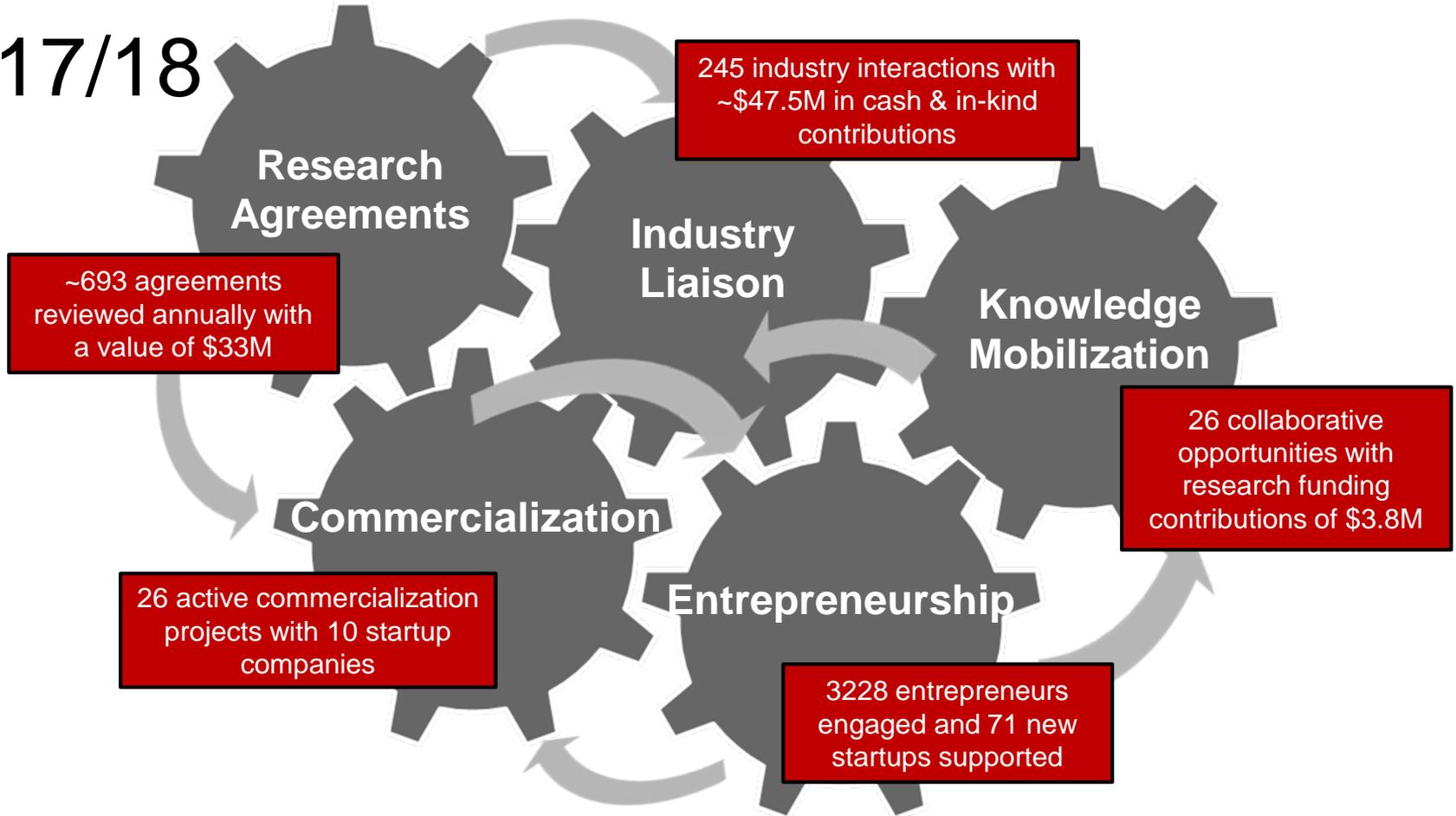


*UofT removed from graph



Innovation York Activity

2017/18



Featured York Start-Ups



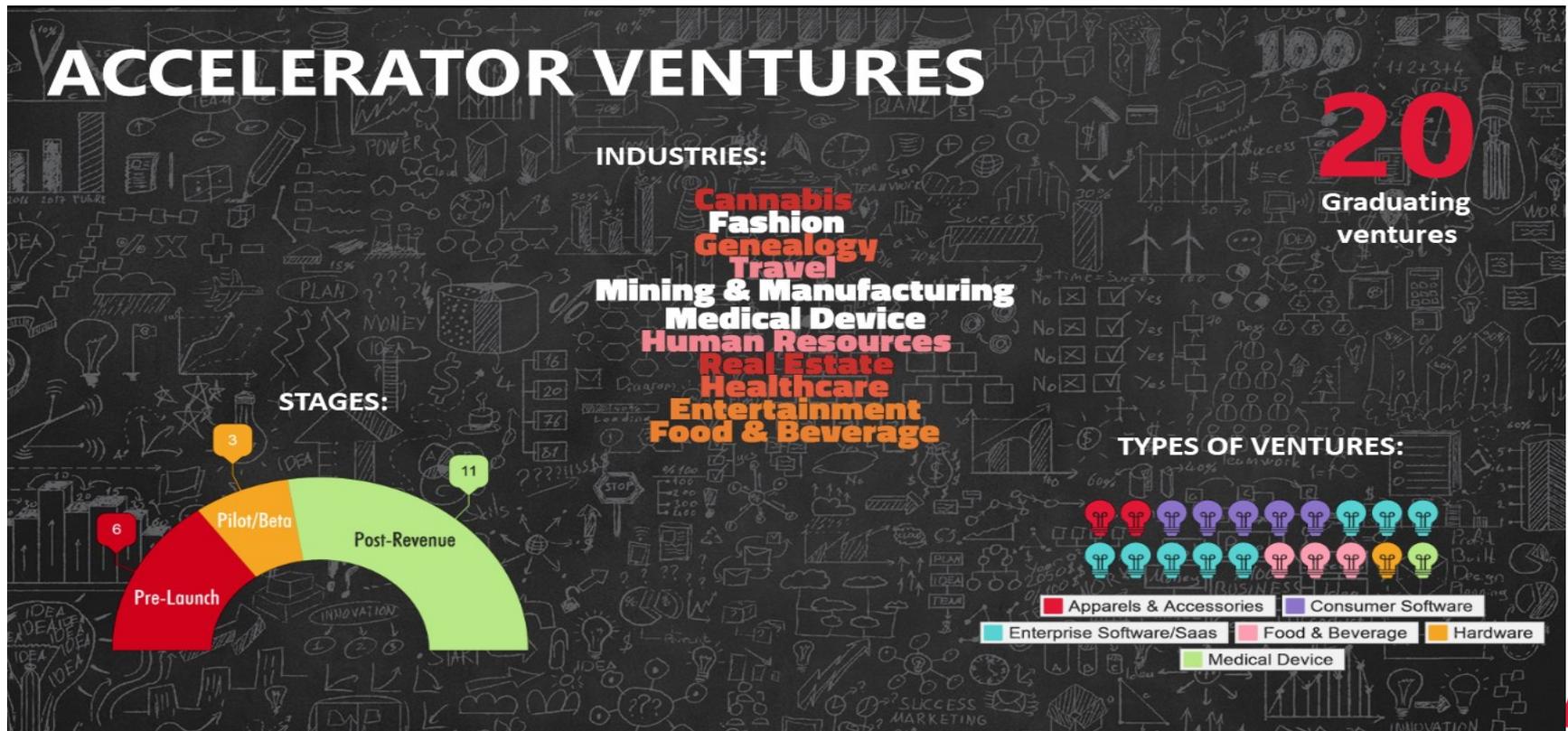
[Indigenous Friends](#), a social network application to connect First Nations, Métis and Inuit youth with available community resources, support and information, as well as creating Indigenous networks between Indigenous youth.

Indigenous Friends Tackles Isolation Amongst First Nations, Métis and Inuit with Social Network App

Combining his own experiences and a master's degree in information technology and native studies, Alejandro Mayoral-Banos has pulled together stakeholders to design an Indigenous social network app.

LaunchYU Accelerator

The LaunchYU Accelerator is a 4-month program designed to support entrepreneurs as they build, launch and scale their ventures. In year 4 received 108 applications for **20 spots**



LaunchYU Accelerator

Graduation of the 20 ventures at September 27th pitching event at the office of Aird & Berlis LLP. The **top 3 ventures** were announced and awarded \$5,000 each.



Blade Filters Inc.

Blade Filters Inc. creates activated, indoor, carbon air filters for odour removal and filtration purposes. Blade Filters is the only company that has encompassed a replaceable carbon cartridge in units.



RedPine allows artists to crowdfund their concerts. Crowdfunding eliminates the risk for both the venue and the artist - venues only approve shows that will be profitable, while artists play in front of a guaranteed crowd.



OcutheraPy is a virtual reality rehabilitation assistant that bridges game and therapy, OcutheraPy offers smart solutions to adapt to the unique needs of each person recovering from injury



Approaching Capacity



YSpace in 2018:

- 21 start-up ventures supported
- 82 events held
- Over 45 entrepreneurial members
- 10 Entrepreneurs-in-residence program



Coming Attractions

- Artificial Intelligence and Society Task Force formed
 - Examining options for building and featuring York's Research strengths and curricular offerings in AI
- Electronic Curriculum Vitae (ECV) exercise
 - Task Force developed to evaluate ECV management software systems for implementation
- Research Commons
 - Developing a formal research grant development and mentorship system at York focused initially on new faculty to prepare them for research granting success
- Advanced Manufacturing Supercluster- York is the academic lead for the microelectronic component of the project
- Canada Foundation for Innovation-Infrastructure Fund- anticipated launch in early 2019, internal development of proposals underway

Comments, Questions, Discussion

