

University of Toronto University-Wide Impact Presentation

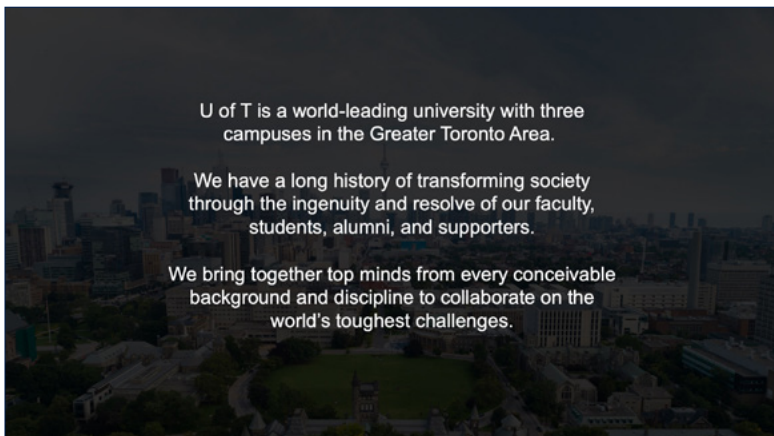
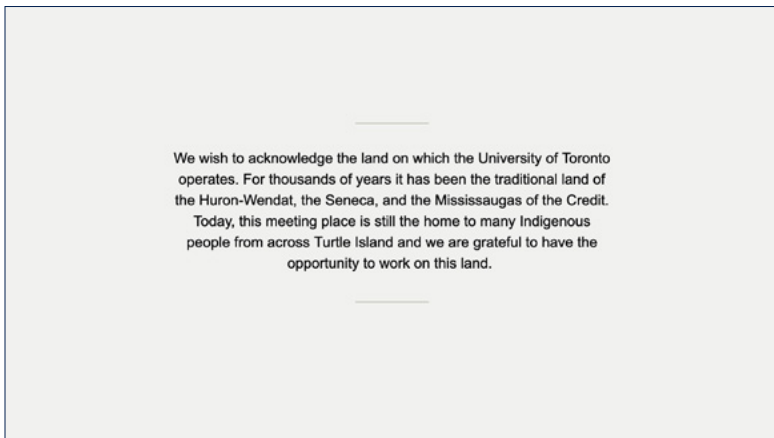
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Text is not editable on animation slides.
Updated Winter 2023

ON-SCREEN IMAGE

SPEAKER'S NOTES



Beginning of Presentation

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We wish to acknowledge the land on which the University of Toronto operates. For thousands of years it has been the traditional land of the Huron-Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.

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Play Intro Video

[Good afternoon]. My name is [X], and I serve as [X] at the University of Toronto. Thank you for joining us [today].

[Today] I would like to take you through a presentation that speaks to the crucial role that U of T is honoured to play in our communities and our world.

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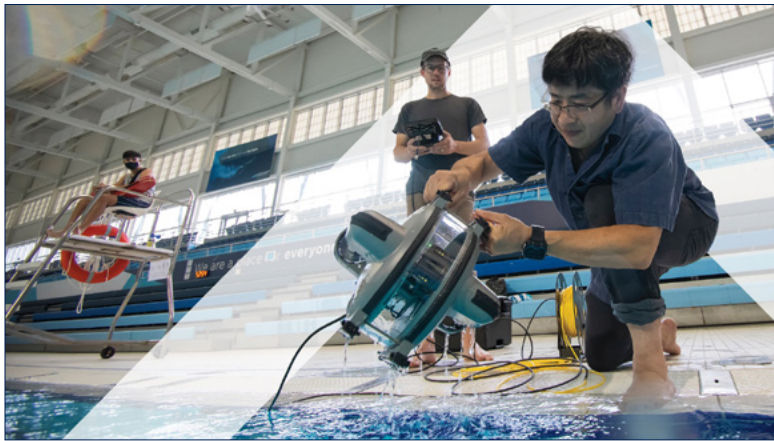
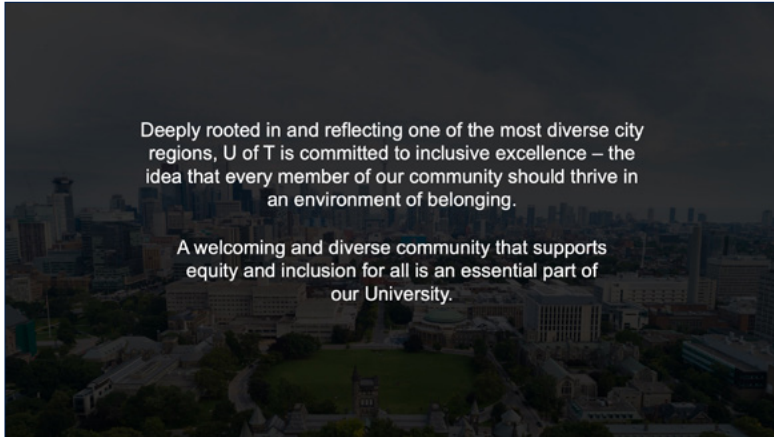
U of T is a world-leading university with three campuses in the Greater Toronto Area.

We have a long history of transforming society through the ingenuity and resolve of our faculty, students, alumni, and supporters.

We bring together top minds from every conceivable background and discipline to collaborate on the world's toughest challenges.

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SPEAKER'S NOTES

U of T's fundamental commitment to inclusive excellence — the idea that every member of our community should thrive in an environment of belonging — is infused into everything we do.

Since 1998, the University's policy on student financial support has been that no student admitted to a program at U of T "should be unable to enter or complete it due to lack of financial means." We have also pioneered several programs and pathways to help bright students from underserved communities realize their dreams of studying at a top-ranked university. This commitment to inclusive excellence sets us apart from other elite universities and creates an incredibly rich environment for research, teaching, innovation, and social impact.

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I'm going to cover three aspects:

- U of T's Global Footprint
- U of T's Innovation and Impact
- U of T's Excellence and Leadership in Society

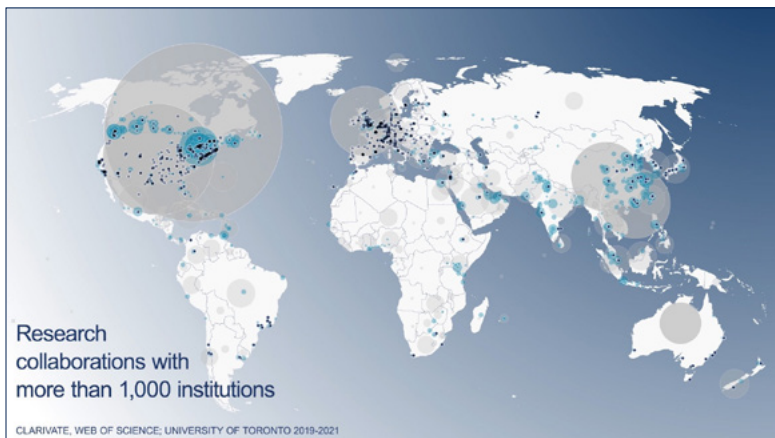
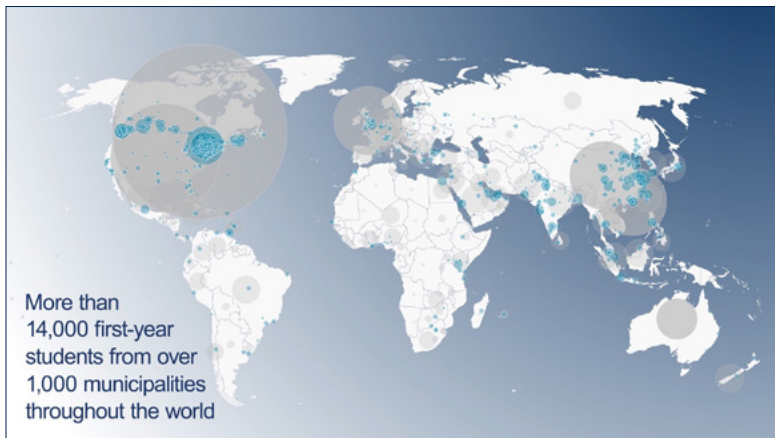
Since its very early days, U of T has been fortunate to have forged connections with institutions around the world and to have welcomed faculty and students from elsewhere to become part of the U of T community.

Today, U of T's global footprint is significant.

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Section 1
Global Footprint

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SPEAKER'S NOTES

We are immensely proud of our worldwide alumni community. Over 660,000 U of T alumni live, work, and contribute to civil society in more than 190 countries and territories.

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Few universities in the world can rival the cultural diversity of our student population. For example, U of T's first-year, full-time, 2019 undergraduate class came from high-schools all over the world – in more than 110 countries.

ADDITIONAL NOTES FOR SPEAKER:

First-year students: More than 14,000 students hail from nearly 1,000 municipalities around the world.

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On the research front, the University of Toronto's faculty collaborate with scholars at institutions around the world. Between 2019 and 2021, scholars from U of T collaborated extensively with peers from more than 1,000 institutions. Only Harvard has a more extensive international collaboration network.

ADDITIONAL NOTES FOR SPEAKER:

Between 2019 and 2021, U of T collaborated with 1,056 other institutions, counting only those collaborations that resulted in at least 50 publications. (University systems are excluded; their individual constituent members are included.) Source: Clarivate, Web of Science; University of Toronto.

U of T's global footprint owes a lot to the city in which it's located. Toronto is:

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One of the world's most livable cities

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ON-SCREEN IMAGE



SPEAKER'S NOTES

North America's fourth largest city

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And considered one of the world's most diverse cities, with over 50% of its population born outside of Canada

Source:

<https://www.toronto.ca/city-government/data-research-maps/toronto-at-a-glance/>

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Toronto placed first in a 2021 Bloomberg Businessweek analysis of how 15 global cities rank for career women, ahead of Sydney, Singapore, Paris, and London.

And in The Economist Intelligence Unit's Safe Cities Index 2021, Toronto ranked second, behind only Copenhagen.

Sources:

<https://www.bloomberg.com/features/best-business-cities-women-ranking-2021/?leadSource=verify%2Qwall>

<https://safecities.economist.com/safe-cities-2021-whitepaper/>

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Providing world-class research, teaching, and clinical care, TAHSN [TA-zin] comprises the University of Toronto and the academic hospitals affiliated with it, all of which hold national and international standing as leaders in their particular fields.

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ON-SCREEN IMAGE



SPEAKER'S NOTES

The network underpins the Toronto region's position as the third-largest biomedical cluster in North America, after San Francisco and Boston.

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Only Harvard produces more medical research than U of T and the leading Toronto hospitals affiliated with it.

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According to PwC's Cities of Opportunity biennial report, Toronto is in the top three for leading global cities in the company of London and Singapore, making it an important hub for business, finance, and culture.

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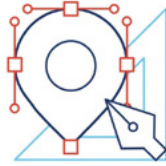
Toronto has more tech workers than Chicago, Seattle, Los Angeles, and Washington, D.C., behind only New York and Silicon Valley, according to CBRE, a real estate company that tracks tech hiring.

Source:

<https://www.cbre.ca/insights/books/scoring-tech-talent-2022>

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3rd largest design industry
in North America

CITY OF TORONTO DATA

SPEAKER'S NOTES

And the third largest design industry in North America

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2nd largest financial centre
in North America

CONFERENCE BOARD OF CANADA, 2020

It's also ranked the second-largest financial centre in North America

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U of T's position in World University Rankings

	2022	2021	2020	2019	2018
National Taiwan University Ranking	6	3	3	4	4
Times Higher Education World University Rankings	18	18	18	18	21
U.S. News Best Global Universities	18	16	17	18	20
Academic Ranking of World Universities	22	22	23	24	23
QS World University Rankings	34	26	25	29	28

Note: The year on the table reflects the year of publication, not the year that the rankings publisher uses.

With this stimulating environment to draw upon, it is no surprise that the University of Toronto is widely recognized as one of the world's great institutions of higher learning.

As you can see, respected university rankings have placed U of T consistently among the world's top research institutions over the past several years. U of T has also ranked number one in Canada in all the major rankings and it's frequently ranked among the top 10 public universities in the world.

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U of T is ranked in the **top 50** globally
in 46 subject categories, more than
any other university in the world

QS WORLD UNIVERSITY RANKINGS BY SUBJECT, 2022

U of T is ranked in the top 50 globally in 46 subject categories, more than any other university in the world, according to QS World University Rankings.

*ADDITIONAL NOTES FOR SPEAKER:
U of T was assessed in 48 of 51 subject categories QS considers.*

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Universities ranked in the top 50 across the most subjects:

	Top 50	# of Subjects Ranked
University of Toronto	46	48
Stanford University	41	41
University of California, Los Angeles (UCLA)	41	44
University of Cambridge	41	41
University of California, Berkeley (UCB)	40	41

QS WORLD UNIVERSITY RANKINGS, 2022 / 2 OF 1

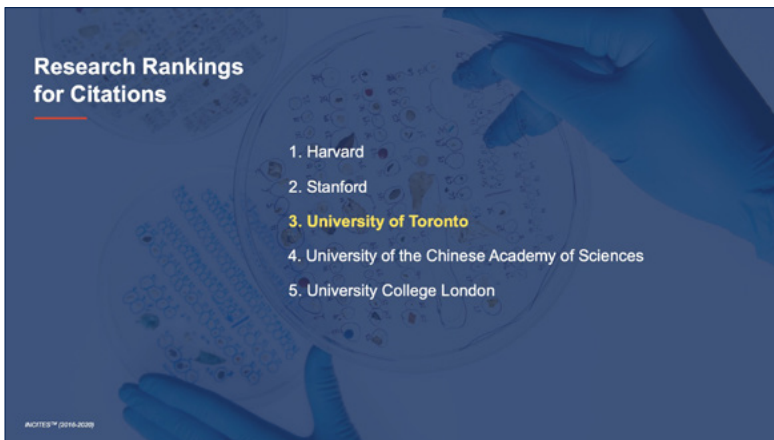
QS World University Rankings assesses the world's top universities across 51 subjects. U of T leads the pack, ahead of Stanford, UCLA, Cambridge, and Berkeley.

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In another important measure, U of T is consistently ranked in the top five globally for research citations. . . .

NEXT SLIDE



. . . in the company of Harvard, Stanford, University of the Chinese Academy of Sciences, and University College London.

NEXT SLIDE



The National Taiwan University Ranking, which ranks universities according to the performance of scientific papers, places U of T sixth globally. . . .

*ADDITIONAL NOTES FOR SPEAKER:
The NTU Ranking considers three criteria in assessing scientific paper performance: research productivity (frequency), research impact (number of citations), and research excellence (articles in high-impact journals).*

Source:
<http://nturanking.csti.tw/ranking/OverallRanking/>

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SPEAKER'S NOTES

... in the company of several prestigious universities.

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The University of Toronto is among the top 10 research organizations most often cited by the world's most innovative companies and institutions, according to Clarivate, an international data analytics company.

For the first time, Clarivate identified the 50 global research organizations whose work is most often cited by the companies on its annual Top 100 Global Innovators list.

In Clarivate's 2023 report, U of T was the only institution outside the United States and Asia to place among the top 10 most-cited research organizations – ahead of institutions in the U.K. and Europe.

Source: [//www.newswire.ca/news-releases/clarivate-names-top-100-global-innovators-2023-842359323.html](http://www.newswire.ca/news-releases/clarivate-names-top-100-global-innovators-2023-842359323.html)

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In the first QS sustainability ranking of global universities, U of T placed second out of 700 post-secondary institutions in the world, behind only the University of California, Berkeley, and first in Canada, ahead of UBC, Western, McGill, and University of Waterloo.

The new ranking by London-based Quacquarelli Symonds assesses universities for their environmental and social impact. It considers reputation and research outputs as well as new data sources such as the availability of institutional policies, data on impactful alumni, and national data from the OECD and World Bank.

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Sustainability is a major driver of the University's boldest open-space project in 100 years. As we move parking underground and replace asphalt with beautiful green spaces in the historic heart of our St. George campus in downtown Toronto, U of T is also creating the largest urban geoechange system in Canada.

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ON-SCREEN IMAGE

As part of our commitment to sustainability, U of T is building the largest urban geoechange system in Canada.

Through initiatives like the Landmark Project, U of T's St. George campus will become climate positive by 2050.



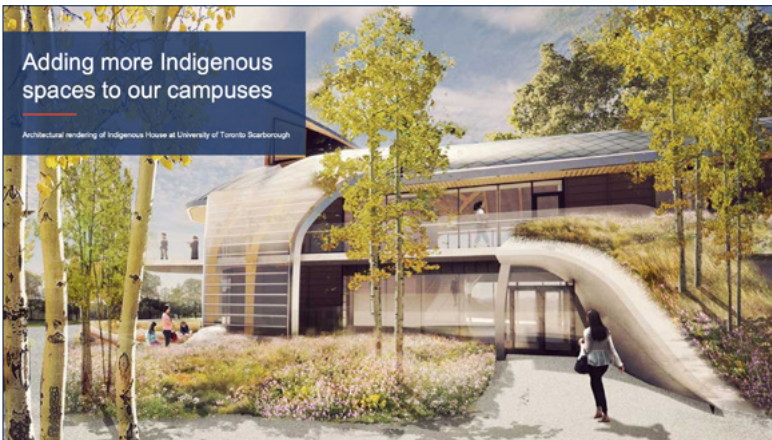
As part of our ongoing work toward truth and reconciliation, U of T is creating a more welcoming and inclusive campus for Indigenous students, faculty, staff, and community members.

Students learn wood gathering techniques with Scott Dickerson, an Indigenous artist and Knowledge Keeper, during the land-based, intensive Indigenous health course through the Dalla Lana School of Public Health at Hart House Farm.



Adding more Indigenous spaces to our campuses

Architectural rendering of Indigenous House at University of Toronto Scarborough



Adding more Indigenous spaces to our campuses

Architectural rendering of the Indigenous Landscape at Taddle Creek project on St. George campus



SPEAKER'S NOTES

The innovative project will decarbonize the heating and cooling systems of surrounding buildings using the Earth's below-ground natural heat, saving 15,000 tonnes of CO2 per year and helping U of T reach its goal of becoming climate positive by 2050.

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In 2017, U of T's Truth and Reconciliation Steering Committee released a report with 34 calls to action, mirroring the work of the Truth and Reconciliation Commission of Canada. The University has responded to all of these calls, with work underway to create more Indigenous spaces across our three campuses, hire and retain more Indigenous faculty and staff, add more Indigenous curriculum and language offerings to our courses, engage Indigenous communities in our research ethically, and reduce barriers to access for Indigenous students.

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Across our three campuses, we're adding more dedicated Indigenous spaces that are connected to the traditional land on which the University stands to foster a sense of belonging for Indigenous members of our community and better facilitate spiritual practices.

In 2022 we broke ground on Indigenous House at the University of Toronto Scarborough, which was designed in consultation with Indigenous stakeholders and will feature traditional Indigenous architecture, landscape, and materials with cultural relevance. Nature—the guiding principle behind Indigenous Ways of Knowing—will be central to all design elements in the 10,000 square-foot space.

With space for Elders and Knowledge Keepers on site, rich programming, and culturally appropriate gathering spaces, Indigenous House will help foster a sense of belonging and connection.

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On our St. George campus, the Indigenous Landscape at Taddle Creek project will use design, storytelling and culture to create a highly visible Indigenous space on Hart House Green. Elements include teaching, gathering and event spaces, gardens for plant medicines and Indigenous trees and cultural markers offering information on residential schools, treaties and the burying of Taddle Creek, which once snaked through the area.

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SPEAKER'S NOTES

In 2022, the Mississaugas of the Credit First Nation (MCFN) and the University of Toronto Mississauga reached a new milestone on the path to reconciliation: an MCFN office on campus.

U of T Mississauga is situated on land that falls under the provisions expressed in Treaty 13-A and is the traditional land of MCFN as well as the Huron-Wendat and the Seneca.

The office is located in Maanjiwe nendamowinan (Mahn-ji-way nen-da-mow-in-ahn), a key campus building named in 2019 following a recommendation from the MCFN. The formally endorsed Anishinaabemowin name means “gathering of minds.”

The building also houses UTM’s Indigenous Centre and gathering space and its first independent Office of Indigenous Initiatives (OII-UTM), whose mandate is to expand the university’s appeal to a broader audience from Indigenous backgrounds and foster a stronger relationship with Indigenous communities.

In 2022, members of the Indigenous community erected a tipi in the green space outside of Maanjiwe nendamowinan as part of UTM’s commitment to placemaking and raising the profile of the Indigenous community on campus.

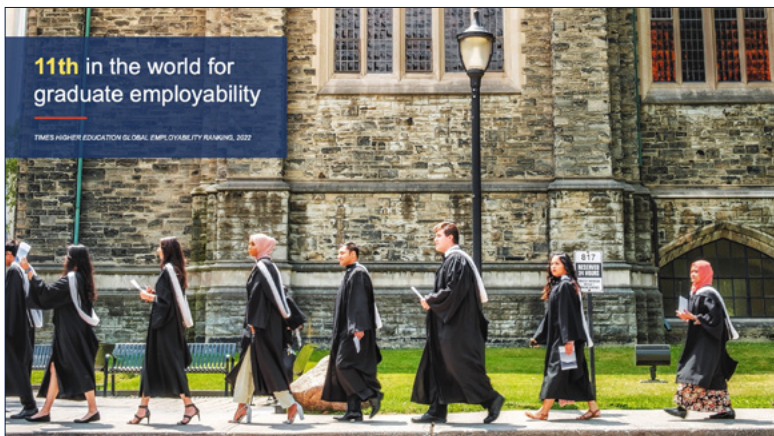
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Further, as a sign of the University’s profound respect for Indigenous communities and cultures, an Eagle Feather Bearer now carries a ceremonial Eagle Feather into Convocation Hall at the outset of each U of T convocation ceremony. Nominated by their faculty or division, Eagle Feather Bearers are members of the U of T community and an Indigenous community.

The Eagle Feather used at convocation was gifted to the Office of the President by Elders at the 2017 entrustment ceremony for the University of Toronto Truth and Reconciliation Steering Committee’s Report, “Answering the Call: Wecheehetwin.”

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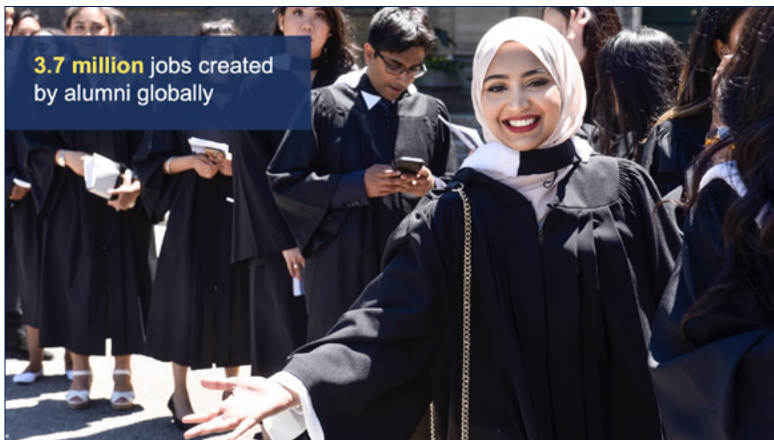
Thanks to this world-class environment, U of T graduates are highly employable. In the Times Higher Education Global Employability Ranking, U of T ranked 11th globally for the employability of our graduates.

Source:

<https://www.timeshighereducation.com/student/best-universities/best-universities-graduate-jobs-global-university-employability-ranking>

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SPEAKER'S NOTES

When we surveyed our alumni in 2017 to learn more about their impact around the world, we learned that 97.6 per cent of U of T alumni are employed compared with 93.6 per cent of the total Canadian workforce.

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Alumni around the world have created 3.7 million jobs.

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And alumni-founded ventures have generated \$368 billion in annual revenues.

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Turning to our research excellence, we're fortunate to enjoy internationally recognized strengths across a wide breadth and depth of disciplines. As a result, U of T is one of the few global institutions able to implement innovative strategic initiatives that span fields and faculties – known across our campuses as Institutional Strategic Initiatives (ISIs).

Some of our top areas of focus are closely tied to the Toronto region's leading industry hubs. These areas include:

Regenerative medicine and precision medicine, where U of T and leading Toronto hospitals are internationally renowned.

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Medicine by Design is a world-leading group of 155 researchers from U of T and leading Toronto hospitals. Through its Grand Questions Program, Medicine by Design is investing \$3 million to prepare for the future of regenerative medicine. The program has selected four multidisciplinary teams from U of T and leading Toronto hospitals to undertake research addressing cutting-edge challenges in regenerative medicine.

Source:
<https://www.utoronto.ca/news/grand-questions-u-t-s-medicine-design-invests-3-million-future-regenerative-medicine>

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U of T is particularly well-known for artificial intelligence & machine learning. Our strengths in these areas are a key reason companies and researchers at the leading-edge of AI are flocking to Toronto.

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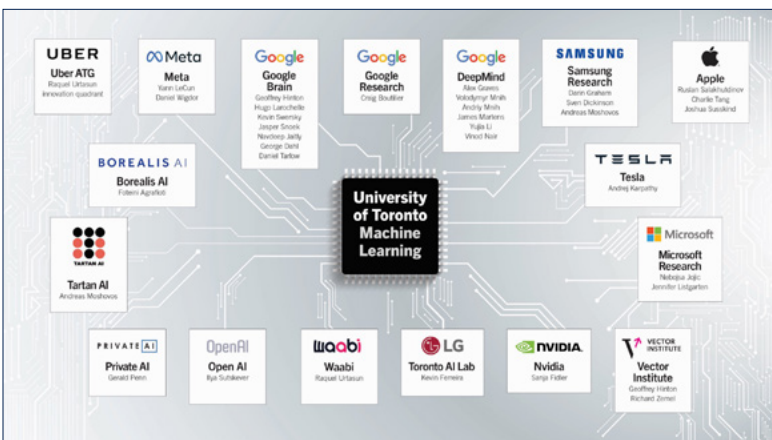


We're world leaders in this area. U of T's Geoffrey Hinton co-developed deep learning, a paradigm that's unleashing game-changing advances, including those crucial to fintech products and services such as fraud detection, cybersecurity, and big data analysis.

We are also renowned for expertise in AI governance and ethics, with scholars such as Gillian Hadfield leading the way.

*ADDITIONAL NOTES FOR SPEAKER:
 In 2019, thanks to a landmark gift of \$100 million from Gerald Schwartz and Heather Reisman, the Schwartz Reisman Institute for Technology and Society began its explorations into the ethical and societal implications of AI and other emerging technologies.*

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U of T faculty and alumni are some of the most sought after in the industry, holding senior positions at many of the world's top tech companies.

This graphic depicts positions held over the past several years but may not reflect current status in all cases.

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Clean Technology

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U of T has a long and outstanding record of global leadership in research and innovation in fields related to clean-tech. A key example is one of our cross-disciplinary Institutional Strategic Initiatives, or ISIs, called Climate Positive Energy. As a single, high-profile, outward-facing initiative, it provides the leadership and organizational capacity to marshal U of T's tremendous transdisciplinary strength to reimagine global energy systems; develop and de-risk pathways to change through research on just and equitable access to energy; decarbonize energy systems; and measure the impact of technology and policy on the energy transition.

Source:

https://2021.research.utoronto.ca/VPRI_AnnualReport.pdf

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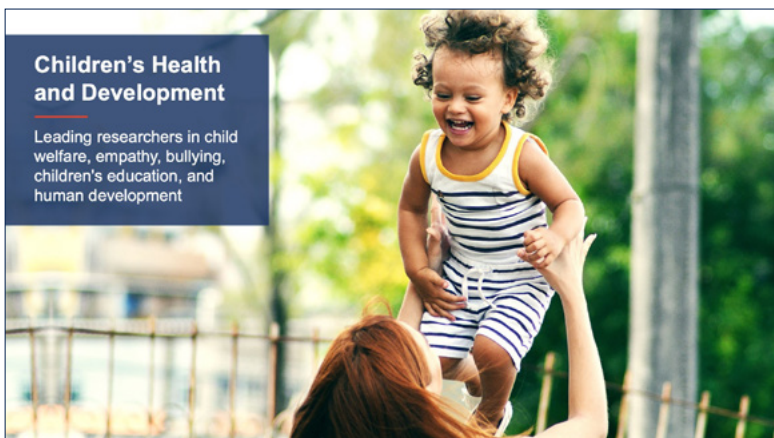
Urban Studies

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People around the world look to the University of Toronto for thought leadership on how to improve and redesign cities. Our President, Meric Gertler, is an internationally renowned expert on how innovation and creativity drive cities and their economies.

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SPEAKER'S NOTES

Advanced Materials and Manufacturing Technology

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U of T is a hub for advanced materials and manufacturing research. We partner with industry to test new ideas that have the potential to boost productivity, save money, and reduce environmental impact. Our Acceleration Consortium ISI, for example, is a global network of government, academia, and industry partners that combines materials science with the power of AI, robotics, and advanced computing to dramatically reduce the time and cost of bringing materials to market—from decades to years—for one-tenth of the price.

Source:

https://2021.research.utoronto.ca/VPRI_AnnualReport.pdf

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Children's Health and Development

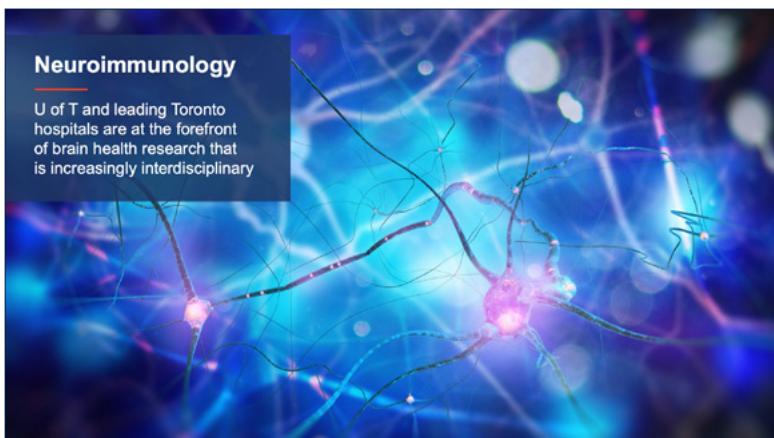
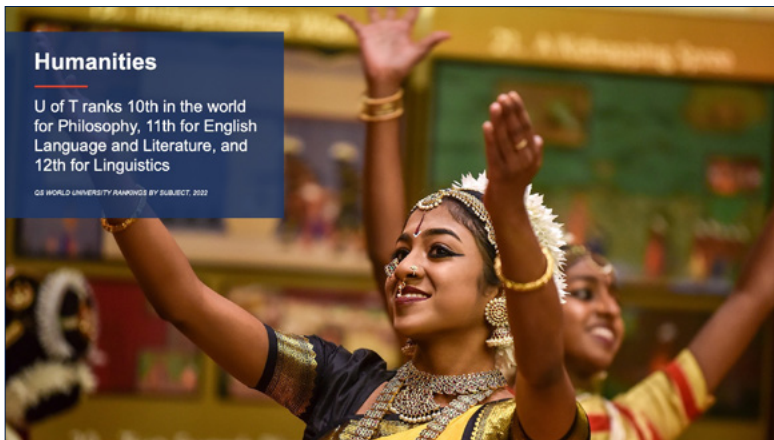
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Our wide-ranging expertise on the well-being of children extends from the very early days of life to studies on the development of empathy in young children to internationally recognized scholarship on bullying and cutting-edge thought leadership on educating children.

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SPEAKER'S NOTES



We have great strengths in the Humanities.

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U of T ranks 10th in the world for Philosophy, 11th for English Language and Literature, and 12th for Linguistics.

[These are the top-ranking subjects for U of T in the QS World University Rankings by Subject for 2022.]

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Neuroimmunology

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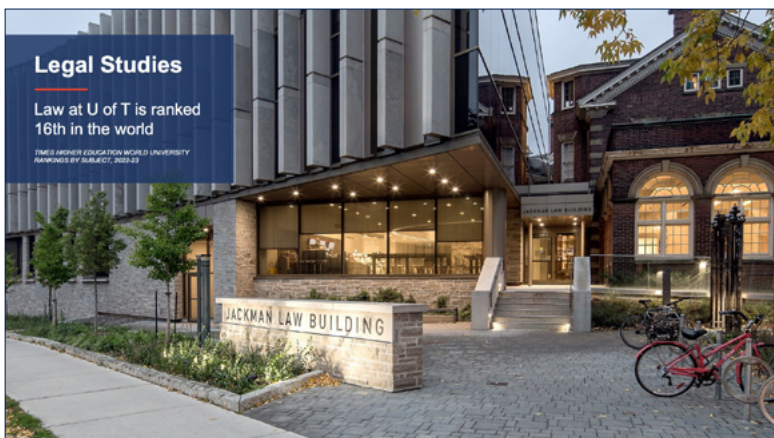
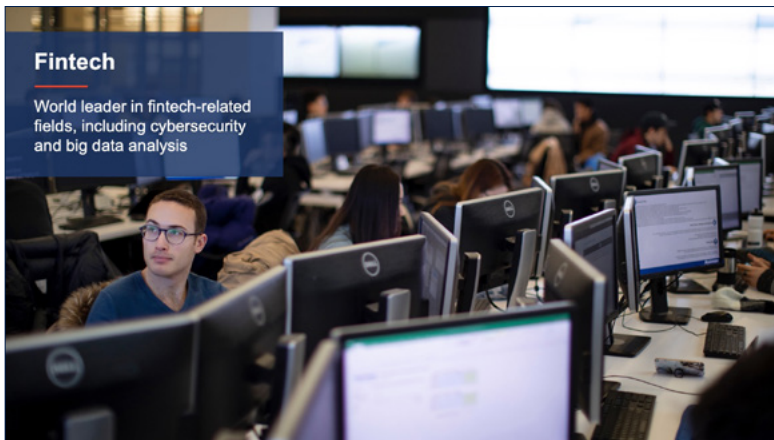
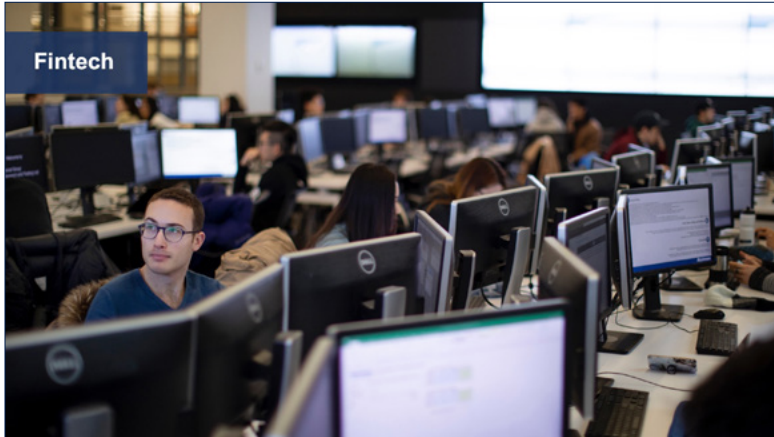
U of T and leading Toronto hospitals are conducting groundbreaking work in neuroimmunology. Our researchers have uncovered links between brain disorders and immune cells that limit or encourage inflammation. Some of these cells originate in the intestine and migrate to the brain and central nervous system along the gut-brain axis. Their research will also improve neuroimaging for dementia, stroke, mental health and addiction, multiple sclerosis, and cancer.

Source:

<https://www.utoronto.ca/news/u-t-researchers-receive-more-15-million-infrastructure-study-brain-inflammation-genetics>

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SPEAKER'S NOTES

Fintech

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Drawing on our strengths in Information and communications technology (ICT), U of T researchers are creating next-generation computational and data analytic methods and tools. U of T researchers are also integrating the University's traditional strengths in data security and privacy to develop defence-in-depth cyberphysical frameworks that will underpin the next generation of fintech applications such as mobile payments, money transfers, loans, fundraising, and asset management.

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Legal Studies

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The University of Toronto's law school has a rich tradition of graduating leading legal minds. Our Centre for Criminology and Sociolegal Studies contributes leading scholarship on crime, order, and security from a variety of disciplinary perspectives and theoretical approaches.

Law at U of T is ranked 16th in the world, reflecting outstanding legal studies and exceptional scholarship in a range of research groups.

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SPEAKER'S NOTES

At the Faculty of Law, John Borrows, one of the world's leading scholars of Indigenous law, is the inaugural Loveland Chair in Indigenous Law. A member of the Chippewa of the Nawash First Nation in Ontario, Borrows completed four degrees at U of T and was an early-career scholar with the Faculty of Law from 1998 to 2001. A \$2-million gift from U of T alumni Norman and Gay Loveland helped endow the new chair.

Borrows' research focuses on the revitalization of Indigenous Peoples' laws and its relationship with Canadian law.

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Launched in 2021, the Black Research Network promotes Black excellence at the University of Toronto and enhances the research capacity of Black scholars within the university and on the world stage. The BRN develops and supports collaborations that increase visibility for U of T Black scholars' research accomplishments, sustain a cross-divisional, interdisciplinary network of Black scholars, and facilitate robust research engagements across U of T and around the world.

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Established to build and nurture a global research community – between researchers at U of T, researchers at other institutions, Indigenous Knowledge Keepers, and Indigenous communities – that respects and places Indigenous Ways of Knowing at the centre of our research practices.

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Section 2
Innovation and Impact



The University of Toronto's research is impacting all corners of the globe. I'd now like to speak about our innovation and impact.

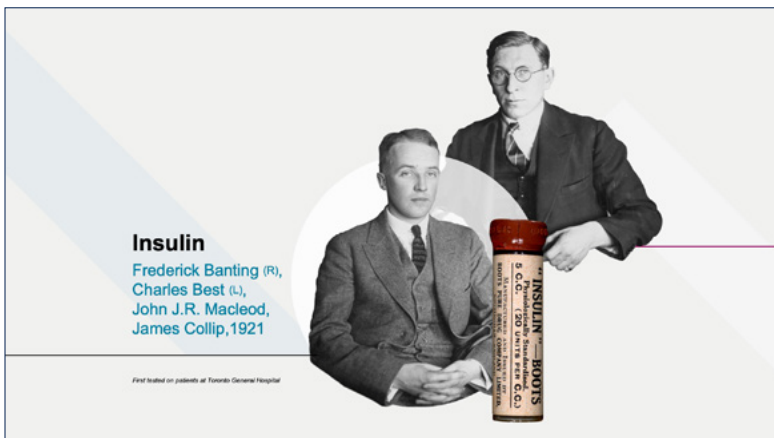
Some of U of T's revolutionary breakthroughs happened in partnership with leading Toronto hospitals or were made by faculty members with hospital appointments.

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John Cunningham McLennan's work on radioactivity contributed to the discovery of a penetrating radiation that passes through the atmosphere, now known as cosmic rays.

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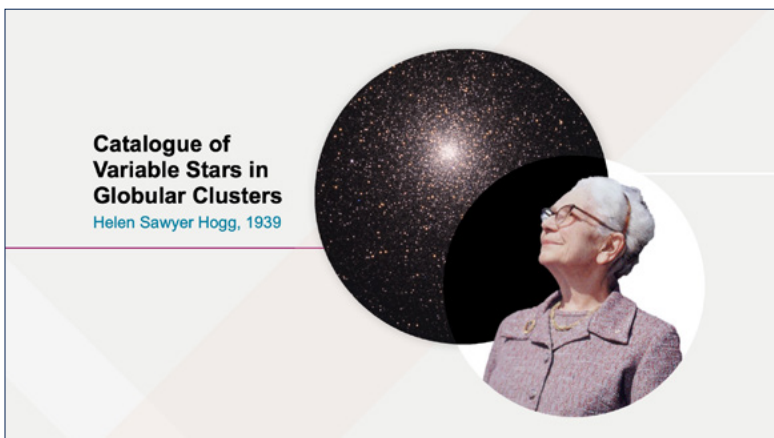


One of the most significant medical discoveries of the 20th century – insulin – took place at U of T in 1921.

Insulin was discovered by research team Frederick Banting, Charles Best, John J.R. Macleod, and James Collip, in what is perhaps the best-known partnership in U of T history. Successful trials took place at Toronto General Hospital.

A Nobel Prize in Medicine followed.

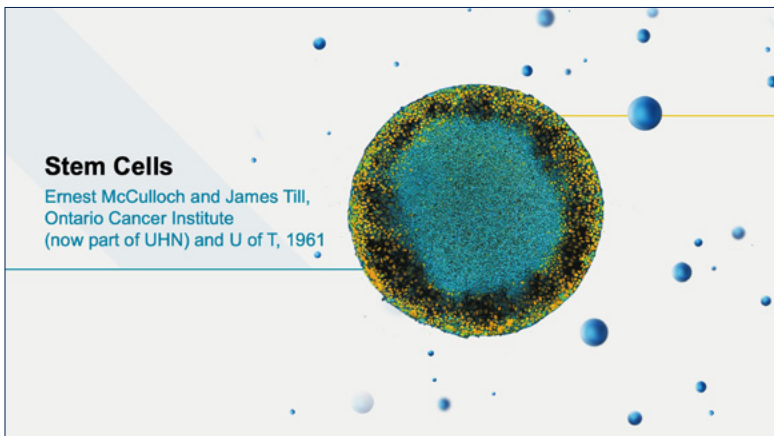
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In 1939, renowned astronomer Helen Sawyer Hogg published an extensive catalogue of variable stars in globular clusters, which has been widely cited in astronomical literature, enabling researchers to get a clear understanding of this vital work.

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SPEAKER'S NOTES

Bigelow, a surgeon at Toronto General Hospital and associate professor at U of T, also demonstrated that lowering the body's core temperature and oxygen requirements made open heart surgery possible, paving the way for other surgeons to perform the world's first open heart surgery in 1952.

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Biochemist Leone Farrell developed the Toronto Method, an innovative technique to radically increase quantities of the polio vaccine.

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Northrop Frye transformed literary criticism with his seminal work, *Anatomy of Criticism*.

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In 1961, James Till and Ernest McCulloch, scientists at what is now the research institute at Princess Margaret Cancer Centre (UHN) and U of T, uncovered the existence of transplantable stem cells. The University Professors' discovery revealed a vital source of treatments for a variety of diseases and conditions and underpins the groundbreaking work in regenerative medicine carried out by researchers from U of T and leading Toronto hospitals.

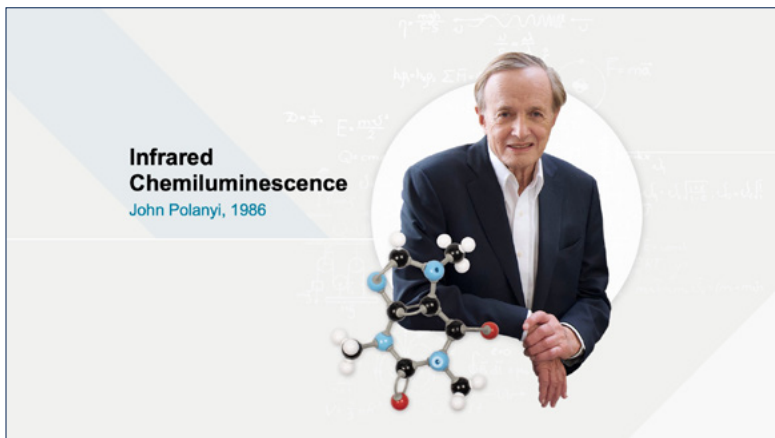
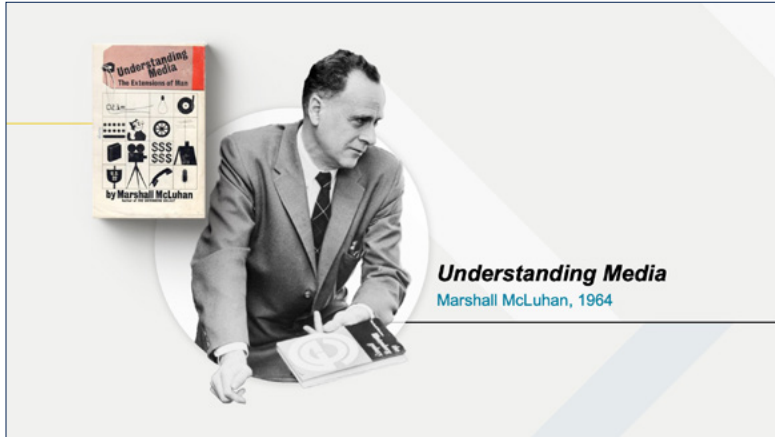
Sources

<https://www.utoronto.ca/news/james-till-how-serendipity-and-public-funding-made-possible-discovery-stem-cells>

https://tspace.library.utoronto.ca/retrieve/4606/RadRes_1961_14_213.pdf

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ON-SCREEN IMAGE



SPEAKER'S NOTES

McLuhan is known for the expression “the medium is the message,” the term “global village,” and for predicting the Internet decades before it was invented.

[NEXT SLIDE](#)

When he discovered the T-cell receptor in 1984, Tak Mak, a scientist at what is now the research institute at Princess Margaret Cancer Centre (UHN) and professor at U of T, helped fundamentally change how scientists understood the immune system. The discovery led to major advances in T-cell biology, autoimmune disease, and immunotherapy.

Sources

<https://www.nature.com/articles/s41418-020-00666-y>

<https://www.nature.com/articles/308145a0>

[NEXT SLIDE](#)

John Polanyi was awarded the Nobel Prize in Chemistry in 1986 for his discovery of infrared chemiluminescence, a method for understanding how molecules are reborn in a chemical reaction. This technique illuminates molecules to show how they vibrate and rotate during a chemical reaction, giving scientists crucial information about how these reactions work. He has spent most of his career at the University of Toronto, where today he is University Professor Emeritus.

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In addition to playing a primary or partial role in discovering the approximately 20 genes associated with Alzheimer's, University Professor and UHN scientist Peter St George-Hyslop and his team have also succeeded in determining the functions of amyloids, harmful proteins that build up in the brains of Alzheimer's patients. These are thought to be a key factor in the progression of the disease.

Source:

<https://www.nature.com/articles/375754a0>

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ON-SCREEN IMAGE



SPEAKER'S NOTES

Deep Learning is a U of T-developed machine learning paradigm that underpins technology used for everything from speech recognition to self-driving cars (NOTE: this information is mentioned earlier in the presentation).

Although Hinton, who is now University Professor emeritus, began his work in this area several decades earlier, it was only widely adopted in the 2000s.

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These four innovators founded Cast Connex Corporation, a startup out of U of T's Department of Civil & Mineral Engineering. It is the industry leader in the use of cast steel components for constructing buildings and bridges.

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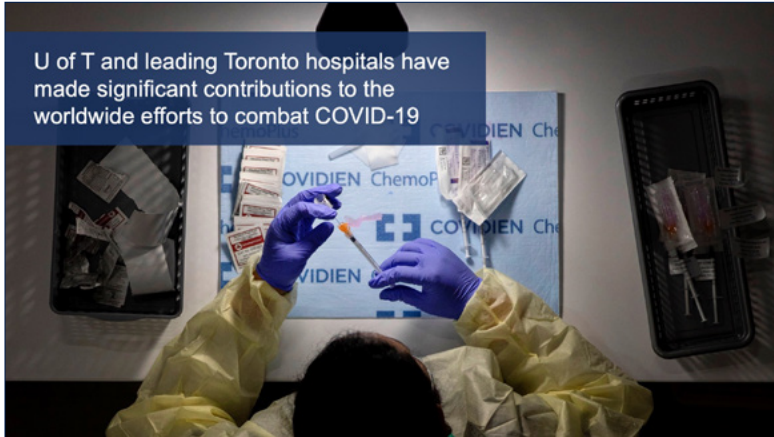
GhostNet is a cyber espionage network that infiltrated government, economic, and media systems around the world.

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Two groundbreaking papers in Nature in 2013 and 2014 announced University Professor Barbara Sherwood Lollar's discovery of the oldest known flowing waters, located two to three kilometres deep in the oldest rocks of the Precambrian that form the core of our continents. The discovery of deep saline fracture waters of such unparalleled antiquity (and the potential for subsurface microbial life) had an extraordinary impact, both in earth and planetary science, in the context not only of expanding our understanding of Earth's subsurface life and habitability but for its implications for the origin of methane on Mars and implications for astrobiology.

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SPEAKER'S NOTES

In the face of COVID-19, U of T's research and discovery continues to create meaningful and life-changing impact – joining countless other institutions around the world to stop the spread of a dangerous disease.

Since March 2020, U of T and leading Toronto hospitals have been marshalling their resources to make significant contributions to the worldwide battle against COVID-19.

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Since the beginning of the pandemic, U of T has swiftly developed new research funding and safety protocols to ensure the continuity of our research enterprise. Researchers from U of T and Toronto hospitals have produced over 1,500 COVID-19-related publications in the life sciences, physical sciences, social sciences, and the humanities, placing it in the top seven institutions globally and first in Canada. This reaffirms our remarkable leadership role in adding to the world's understanding of this very challenging phenomenon.

Source: VPRI as of August 2022

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Professor Scott Gray-Owen in the department of molecular genetics in the Temerty Faculty of Medicine leads U of T's C-CL3 lab, where his team tested the efficacy of an antimicrobial coating and discovered that it deactivated over 99% of SARS-CoV-2 within minutes – potentially offering a huge benefit to health-care workers at a greater risk of being contaminated.

Our C-CL3 lab also proved that a common technique used to pasteurize breast milk inactivates the virus, making it safe for parents who use human breast milk banks to feed their infants.

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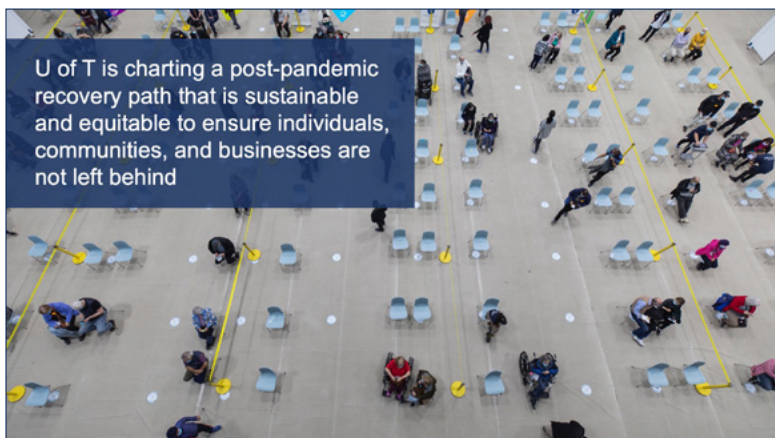
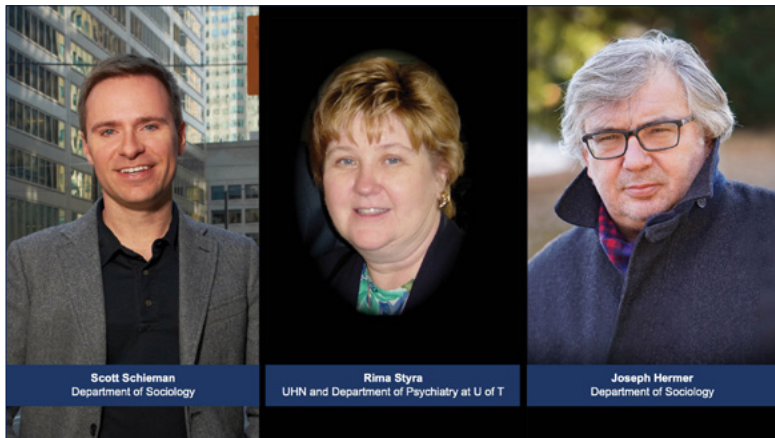
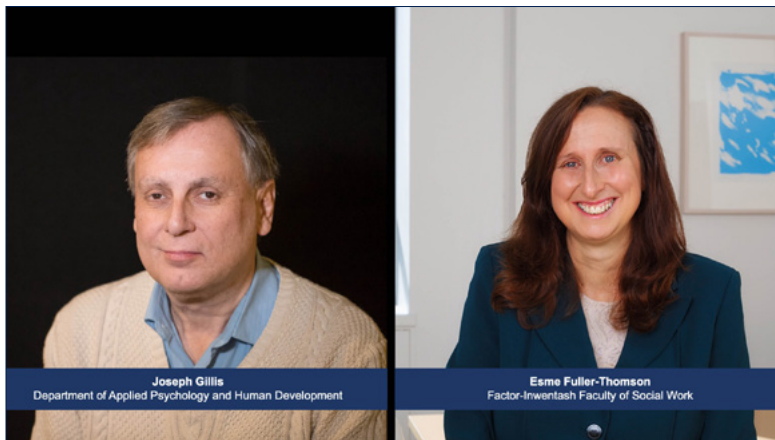
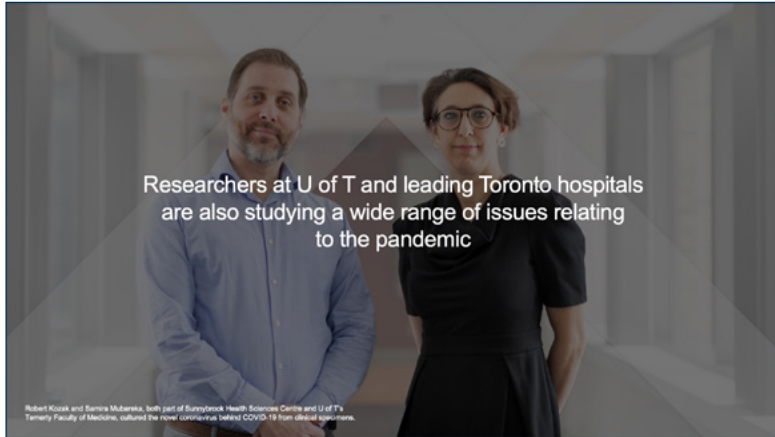
At all levels of government, U of T experts in public health and public policy have served as trusted advisors as members of the federal government's COVID-19 Immunity Task Force, its Therapeutics Task Force, and the Ontario government's COVID-19 Science Advisory Table, among others.

ADDITIONAL NOTES FOR SPEAKER:

Ashleigh Tuite, infectious disease epidemiologist, math modeler, and assistant professor at the University of Toronto's Dalla Lana School of Public Health, alongside colleagues, created models of the COVID-19 outbreak in its early inception – predicting that social distancing would be required for months, not just weeks, to flatten the curve. She is one of many who continue to be called upon by media for their expert opinion, research, and insight into the ongoing pandemic.

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SPEAKER'S NOTES

Researchers at U of T and leading Toronto hospitals are also researching a wide range of issues from mental-health outcomes in health-care workers to how the pandemic has changed the way people work – shedding light on the global challenges before us.

Some include:

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Joseph Gillis, a professor in the Department of Applied Psychology and Human Development at the Ontario Institute for Studies in Education. With funding from the Canadian Institutes of Health Research, he's leading a research team examining how the virus promotes stigma and misinformation, and how to fight these twin challenges.

Additionally, Professor Esme Fuller-Thomson, director of the Institute for Life Course and Aging, is studying the course of the disease in older adults, with the goal of better identification of the most vulnerable.

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- Scott Schieman, in the Department of Sociology, is studying how the pandemic has changed the way Canadians work.
- Rima Styra, at UHN and the Department of Psychiatry, Temerty Faculty of Medicine, is researching mental-health outcomes in health-care workers.
- At U of T Scarborough, sociology professor Joseph Hermer is studying the criminalization of homelessness in Canada, with the goal of providing recommendations on how to learn from the pandemic and reduce such approaches.

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We are also contributing to post-pandemic recovery efforts that ensure individuals, communities, and businesses are not left behind. For example, U of T's Institute for Pandemics aims to better understand pandemics both before they arise and while they are progressing, strengthen our public health systems and improve their governance, and plan how we might best structure health systems and recover economically in a post-pandemic world.

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SPEAKER'S NOTES

The research and discovery culture that catalyzed these landmark breakthroughs and fuelled U of T's leading thinkers has inspired many inventions.

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The U of T Entrepreneurship community consists of 10+ accelerators across our three campuses. Our entrepreneurial initiatives leverage our diverse strengths to provide an incredible range of offerings to current and aspiring innovators.

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UBI Global's latest study of university-based business incubators ranked U of T in the top 5 in the world, up from top 10 in the previous ranking.

Source:

<https://2919995.fs1.hubspotusercontent-na1.net/hubfs/2919995/Projects/Publications/Rankings/UBI%20Global%20-%20World%20Rankings%20Report%202021-2022.pdf>

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The Black Founders Network (BFN) is an inclusive community for Black entrepreneurs at all stages of their journey, created to provide access to the networks, resources and inspiration to build, fund and scale impactful startups. By recognizing systemic barriers, celebrating Black excellence and providing allyship, mentorship and sponsorship for Black founders, BFN is building a thriving community of Black entrepreneurs from every industry and at every stage.

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1,000+ patent applications filed
over the last 10 years

AUTM 2011-2020



Three-quarters of U of T inventions are
co-developed by students or post-docs

AUTM 2011-2020



A leader among North American universities
for research-based startups, inventions,
and licenses and options



More than 200 entrepreneurship-related
courses attracting over 10,000 registrants

SPEAKER'S NOTES

Over the past 10 years, U of T researchers and Toronto hospitals filed more than one thousand patent applications – that's one patent application filed every three days and protecting hundreds of new ideas.

ADDITIONAL NOTES FOR SPEAKER:

This ecosystem allows students to experience entrepreneurship in a mentored environment and provides inventive minds with the space to shape and test their ideas. Some of these ideas are pretty incredible - such as solar vehicles!

NEXT SLIDE

About three-quarters of U of T inventions are co-developed by students or post-doctoral fellows. This speaks to the culture of creativity and innovation we have established among our students.

NEXT SLIDE

U of T is a leader among top North American institutions for research-based startups, inventions, and licenses and options. Startups flourish at U of T and a critical reason for this is the entrepreneurial ecosystem that the University cultivates.

ADDITIONAL NOTES FOR SPEAKER:

This ecosystem allows students to experience entrepreneurship in a mentored environment and provides inventive minds with the space to shape and test their ideas. Some of these ideas are pretty incredible - such as solar vehicles!

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We offer over 200 courses that cover entrepreneurship and these courses attract over 10,000 registrants, many of them our own students.

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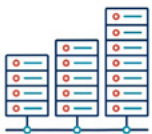
Entrepreneurial hubs across 3 campuses assist more than 400 student-led startup teams each year



300 volunteer mentors involved in U of T's entrepreneurial hubs



U of T entrepreneurs have secured more than \$2.5 billion in startup investment over the past decade



and created more than 600 startup companies over the same period

SPEAKER'S NOTES

More than 10 entrepreneurial hubs across our three campuses assist more than 400 student-led startup teams each year,

NEXT SLIDE

...involving approximately 400 mentors.

Over 1,500 participants from U of T have registered for The Intellectual Property (IP) Education Program that provides an accessible, free, online training program designed to equip students, faculty, and staff with a broad foundation in intellectual property.

*Source: VPRI 2021 Annual Report Pg. 14; University of Toronto Entrepreneurship
Source: IP Education Program - University of Toronto Entrepreneurship (utoronto.ca)*

NEXT SLIDE

This emphasis on entrepreneurship is having impressive results. University of Toronto entrepreneurs have secured more than \$2.5 billion in startup investment over the past decade...

NEXT SLIDE

... and created more than 600 startup companies over the same period.

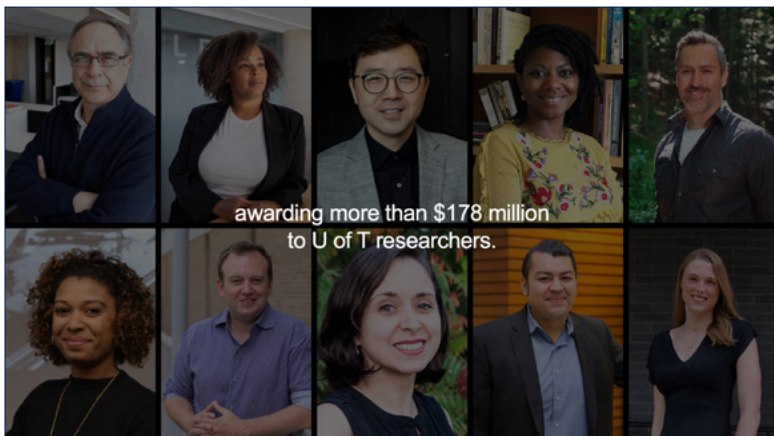
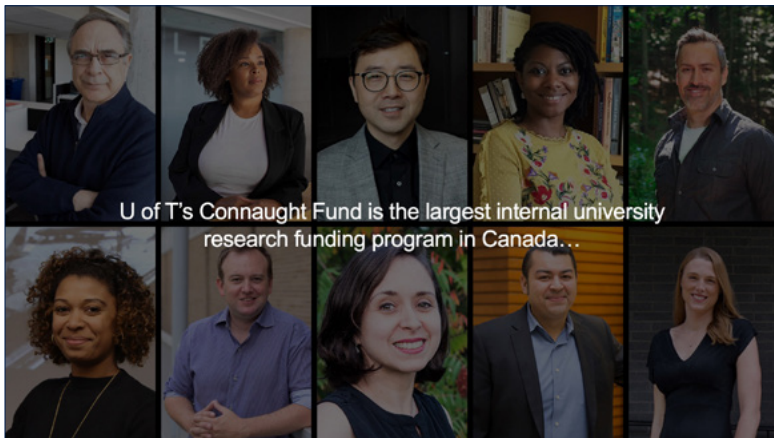
As you can see, U of T is a global leader in transforming innovative ideas into products, services, companies, and jobs – a direct result of our research-intensive ecosystem.

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ON-SCREEN IMAGE

\$1.4 billion in annual research funding -
U of T and Toronto hospitals

Secured more than 16% of all tri-agency funding
granted to Canadian universities



SPEAKER'S NOTES

This ecosystem plays an important role in attracting research funding. Researchers from U of T and leading Toronto hospitals were awarded \$1.4 billion in the last year alone.

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Funding from Canada's three federal granting agencies provides approximately 40% of this sum. When we compare what these agencies grant to other universities in Canada, U of T attracts a significant proportion: more than 16 per cent in the 2020-21 fiscal year.

ADDITIONAL NOTES FOR SPEAKER:

The granting agencies are: the Canadian Institutes for Health Research (CIHR), the Social Sciences and Humanities Research Council (SSHRC), and the Natural Sciences and Engineering Research Council (NSERC).

Source: VPRI 2021 Annual Report pgs. 42 & 44

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Tracing its legacy back to the discovery of insulin at U of T in 1921, the Connaught Fund is the largest internal university research funding program in Canada with an endowment worth over \$147 million.

The Connaught Fund was founded in 1972 when U of T sold the Connaught Medical Research Laboratories for \$29 million. The lab was established in 1914 to produce diphtheria antitoxin. After the 1921 discovery of insulin by U of T researchers Frederick Banting and Charles Best, the lab expanded and began producing insulin as well as other vaccines and antitoxins.

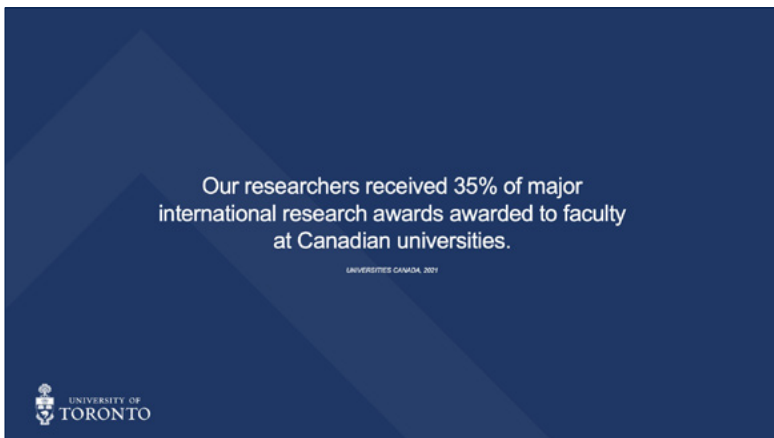
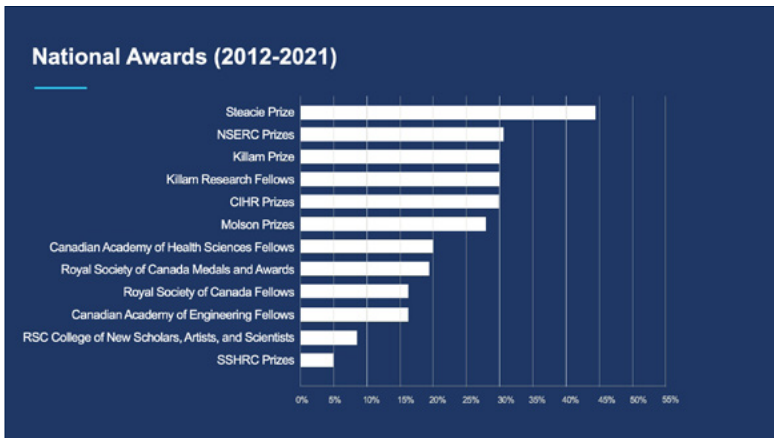
[NEXT SLIDE](#)

The Connaught Fund, now in its 50th year, has awarded over \$178 million to U of T's graduate students, early-career researchers, interdisciplinary teams, and innovators – all with an emphasis on meeting the challenges facing our global society.

[CLICK](#)

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SPEAKER'S NOTES

Since their inception in 2010, the Connaught Innovation Awards have spurred the development of over 100 promising technologies while supporting trainees and creating jobs. The funding has resulted in over \$30 million in follow-on funding to the University and associated startups.

[CLICK](#)

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The sheer number of accolades U of T researchers receive highlights their calibre and raises their profile. Although U of T's appointed academic staff represent only 6% of all Canadian university teaching staff, we lead in the number of prestigious Canadian and international honours received by our faculty compared to our peer universities.

ADDITIONAL NOTES FOR SPEAKER

U of T faculty represented 30% of national Killam Prize winners, receiving 15 of the 50 prizes awarded in the past decade across all categories.

Source:

VPRI 2021 Annual Report, pg 20

https://2021.research.utoronto.ca/VPRI_AnnualReport.pdf

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An incredible number of Canadian winners of the most prestigious international research awards are based at U of T. These include:

Source:

<https://www.univcan.ca/canadian-excellence-global-recognition/>

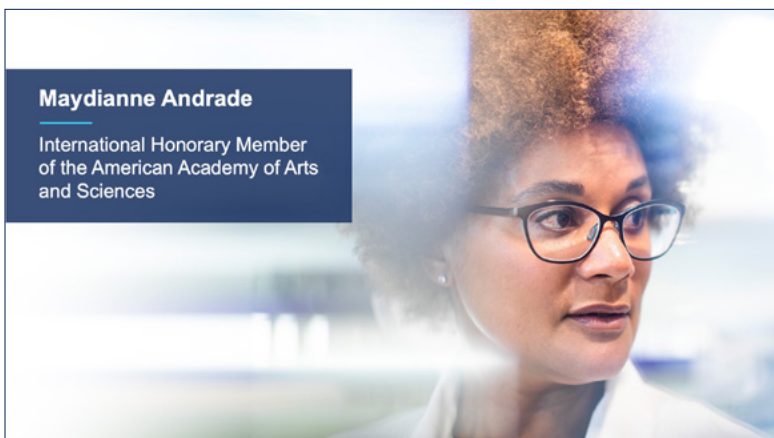
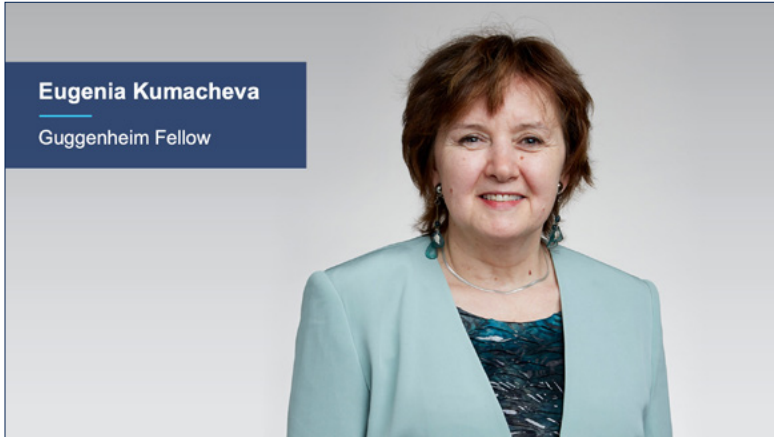
[Based on the GEI listings, both the 1-year share for 2020 and the 5-year average from 2016-2020 are 35%.]

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Kamari Clarke received a prestigious Guggenheim Fellowship for her award-winning research showing how different legal frameworks, shaped by forces such as neocolonialism, both influence and are influenced by contemporary social movements. Her careers spans more than two decades and she is an expert in such areas as international justice, religious nationalism, and the politics of globalization and race.

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SPEAKER'S NOTES

University Professor Eugenia Kumacheva also received a Guggenheim Fellowship for her research exploring the field of “soft matter” – polymers, liquid crystals, hydrogels, and living matter. She has designed and developed soft materials for use in a broad range of areas, including telecommunications, security, data storage, drug delivery, and tissue engineering.

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Amira Mittermaier’s work weaves textual analysis with ethnographic fieldwork. Her research focuses on modern Islam in Egypt. The Guggenheim Fellowship will help her start her book about God and humans in Egypt today.

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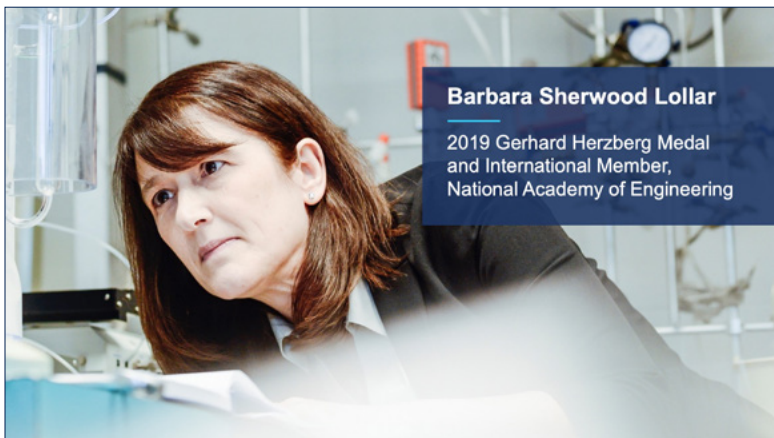
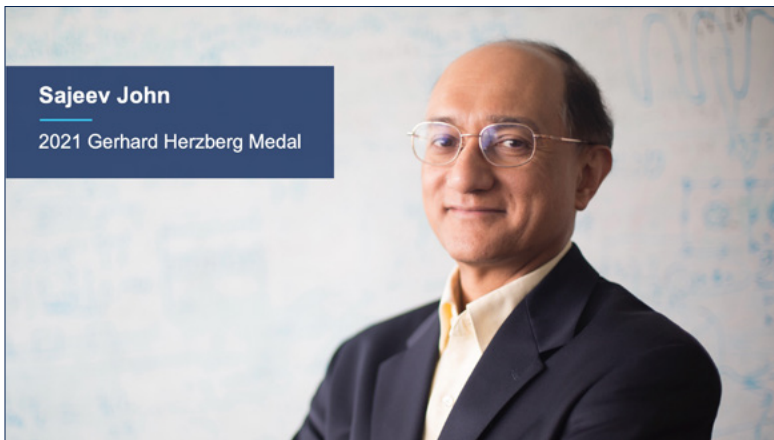
Kevin Lewis O’Neill - another U of T 2021 Guggenheim Fellow - is a pioneering scholar on the subject of clerical sexual abuse, particularly as it transcends borders. O’Neill’s examination of the moral dimensions of contemporary political practice in Latin America informs the trilogy he has written on the politics of Pentecostalism in Guatemala.

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Maydianne Andrade, a world-renowned evolutionary ecologist and University Professor at U of T, joins an elite group of artists, scholars, and scientists as a member of the American Academy of Arts & Sciences. It is one of the oldest scholarly societies in North America that promotes interdisciplinary work to solve social challenges.

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SPEAKER'S NOTES

Geoffrey Hinton, often called the godfather of AI, received the ACM A.M. Turing Award along with Yann LeCun and Yoshua Bengio to recognize his pioneering role in a field that is now revolutionizing life as we know it.

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University Professor Sajeev John was awarded NSERC's Gerhard Herzberg Canada Gold Medal for Physics for his groundbreaking research and fundamental advancements in confining and harnessing the flow of photons of light in a manner analogous to harnessing the flow of electrons.

Source:

<https://www.utoronto.ca/news/u-t-s-sajeev-john-receives-gerhard-herzberg-canada-gold-medal-work-harnessing-flow-photons>

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U of T faculty have won Canada's most prestigious science and engineering prize four years running.

University Professor Molly Shoichet was awarded NSERC's Gerhard Herzberg Canada Gold Medal for Science and Engineering for her world-leading research in tissue engineering, regenerative medicine, and drug delivery.

Source:

<https://www.utoronto.ca/celebrates/molly-shoichet-receives-gerhard-herzberg-canada-gold-medal-science-and-engineering>

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University Professor Barbara Sherwood Lollar was recognized with the Herzberg for her decades-long research into the geochemistry of deep crustal fluids, drinking water remediation, and astrobiology – which seeks to understand the potential nature of life beyond Earth.

The U.S. National Academy of Engineering elected Barbara Sherwood Lollar an international member for her contributions to understanding the evolution of Earth's groundwater and atmosphere. One of Canada's most renowned earth scientists, she is recognized for her discovery of billion-year-old water and her exploration of geochemical life processes taking place deep beneath the planet's surface.

Source: <https://www.utoronto.ca/news/u-t-s-barbara-sherwood-lollar-wins-herzberg-gold-medal-canada-s-science-and-engineering-council>

Source: <https://www.artsci.utoronto.ca/news/university-professor-alumnus-elected-us-national-academy-engineering>

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SPEAKER'S NOTES

Lewis Kay, University Professor and Senior Scientist at SickKids, was recognized for his role in improving nuclear magnetic resonance (NMR) spectroscopy, the technology used to capture images of proteins within human cells.

Source: <http://biochemistry.utoronto.ca/2018/05/lewis-kay-wins-the-2018-gerhard-herzberg-canada-gold-medal/>

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Julie Forman-Kay, program head and senior scientist in the Molecular Medicine Program at the Research Institute of The Hospital for Sick Children and a professor in the Biochemistry Department at U of T, has been named a Fellow of the Royal Society in recognition of her internationally renowned studies of the dynamic structures, interactions, and functions of intrinsically disordered proteins. Her research has provided strong links between dynamic interactions of disordered proteins and regulation of essential cellular processes.

Source: <https://www.utoronto.ca/celebrates/julie-forman-kay-elected-fellow-royal-society>

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For his seminal contributions to both probability theory and mathematical physics, Jeremy Quastel has been elected a Fellow of the Royal Society. The distinction recognizes Quastel's research into the extent to which macroscopic and phenomenological laws of physics can be derived rigorously from fundamental microscopic laws.

Source: <https://www.utoronto.ca/celebrates/jeremy-quastel-elected-fellow-royal-society>

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Daniel Drucker, a senior investigator at Sinai Health's Lunenfeld-Tanenbaum Research Institute and a professor at U of T's Temerty Faculty of Medicine, has been jointly awarded the prestigious Canada Gairdner International Award for research that has helped revolutionize treatments for Type 2 diabetes, obesity, and intestinal disorders. Medications derived from his research have begun to significantly improve the care of people living with metabolic disorders and address a huge unmet need in people with intestinal failure. He has also been elected an International Member of the U.S. National Academy of Sciences, one of the highest honours awarded to a scientist worldwide.

Source: <https://www.utoronto.ca/news/u-t-scientist-receives-gairdner-international-award-metabolism-research>

Source: <http://www.nasonline.org/news-and-multimedia/news/2021-nas-election.html>

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John Dick
(UHN and U of T)

2022 Canada Gairdner
International Award winner



Zulfiqar Bhutta
(SickKids and U of T)

2022 John Dirks Canada
Gairdner Global Health Award

330 Canada Research Chairs

Loren Martin	Emily Nakder	Tara Gomes	Navindra Persaud	Dinesh Thawandirathan	Linda Hiraki
Jennifer Adese	Nicholas Reed	Keith Pardee	Gillian Booth	Margaret Hendrix	Annie Huang
Vincent Kouire	Walter Swardfager	Dilip Soman	Richard Gilbert	John Dick	Andrea Knight
Sonia Kang	James Shaw	Andras Tilcsik	Warren Lee	Valerie Wallace	Vijay Ramaswamy
Iva Zovko	Stephen Matthews	Carmen Logie	Sharmista Mishra	Rachel Tyndale	Lisa Robinson
Neda Maghoubieh	Timothy Hughes	David Burnes	Sharon Sinous	Stephanie Anelis	Padmaja Subbarao
Behnim Treanor	Michael Garton	Shelley Craig	Darrell Tan	Isabelle Boileau	Lillian Sung
Bianca Schroeder	Philipp Maass	Barbara Fallon	Subooh Verma	Muhammad (Ishrat) usain	Zhengping Jia
Caroline Hossain	Alainc Muse	Michael Shar	Darren Yuan	Jeff Meyer	Lu-Yang Wang
Daniel Bender	Mark Chew	Marc Johnson	Sarah Crome	Tarek Rajji	Kenneth Croitoru
Brian Connolly	Kelsie Thu	Joel Levine	Myron Cybulsky	Neil Vasdev	Shihra Ginsburg
Marney Isaac	Catherine O'Brien	John Radcliffe	Jason Fish	Aristotle Voneskos	Kerian Campbell
Kagan Korman	Catherine Sabiston	Patrick Gunning	Sonya MacParland	Julie Lefebvre	Sabine Cordes
Cendri Hutcherson	Yasmin Dawood	Marla Hupfield	Michael Laflamme	Julie Forman-Kay	Daniel Durocher
Hilary Brown	Anver Emon	Rhonda McEwen	Daniel De Carvalho	Jean-Philippe Julien	Anne-Claude Gingras
Myrna Simpson	Larissa Katz	Elizabeth Johnson	Benjamin Halbe-Kanis	John Rubinstein	Harland Jackson
Lena Serghides	Anthony Mibritt	Chao Wang	Huasheng Hansentia	Adam Shilen	Laurence Patisier
Tony Lam	Michael Thaut	Isabelle Aubert	Mitsuhiko Ikura	John Sled	Daniel Schramek
Carltona Steele	Marlene Puts	JoAnne McLaurin	Courtney Jones	Brian Ciruna	Frank Sicheni
Karen Davis	Kimberley Widger	Burton Yang	Rama Khokha	W. Brent Derry	Mai Zhen
Mohit Kapoor	Jeffrey Ansoos	Maged Goubran	Thomas Kissinger	James Ellis	Isabella Caniggia
Mike Tymianski	Becky (Xi) Chen	Iacovos Michael	Sushant Kumar	Xi Huang	Kim Tsai
Tayana Mollayeva	Atzev Goldstein	Greg Stansz	Faryaz Notta	Chi-Chung Hui	Gillian King
Noah Ivers	Chloe Hamza	Kang Lee	Trevor Pugh	Ran Kafri	Evdoxia Anagnostou
Lili Eder	Sandra Styres	Eve Tuck	Gregory Schwartz	Julien Muffat	Hannes Rost
Grant Brown	Elizabeth Buckner	Robert Bonin	Anastasia Tikhonova	Jeehyo Park	Mikko Taipale
Jennifer Gommerman	Harindra Wijekundera	Ann Burchell	Brady Wouters	Christopher Pearson	Joel Watts
Herbert Gaisano	Hannah Wunsch		Gang Zheng	Ji-Young Youn	Jean Chen
Yasmit Malik			Angela Cheung	Yaron Finkelstein	Rafael Montenegro-Burke
Angela Colantonio			Clinton Robbins	Astrid Gutmann	

SPEAKER'S NOTES

John Dick, a senior scientist at Princess Margaret Cancer Centre, University Health Network, and University Professor of molecular genetics at U of T's Temerty Faculty of Medicine, was recognized with a Gairdner International Award for the discovery of leukemic stem cells and later work on the diagnosis and treatment of acute myeloid leukemia. Dick and his lab were the first to discover and describe leukemia stem cells, which can self-renew and drive both cancer growth and relapse after treatment. Those findings have led to new clinical approaches for acute myeloid leukemia and related blood cancers and spurred research on the role of stem cells in solid tumours of the colon, breast, and brain, among other sites.

Source: <https://www.utoronto.ca/news/john-dick-and-zulfiqar-bhutta-win-canada-gairdner-awards#:~:text=Two%20researchers%20at%20the%20University,for%20medical%20and%20health%20science>

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Zulfiqar Bhutta, director of the Centre for Global Child Health and a senior scientist at The Hospital for Sick Children, as well as a U of T professor in the Departments of Nutritional Sciences and Pediatrics at Temerty Medicine and at the Dalla Lana School of Public Health, won for his research on community-based and policy interventions in child and maternal health, especially among vulnerable populations. For more than three decades, Bhutta's research has influenced policy and practice in global child and maternal health through implementation science, research synthesis and trials, as well as studies of malnutrition and obesity, among other approaches.

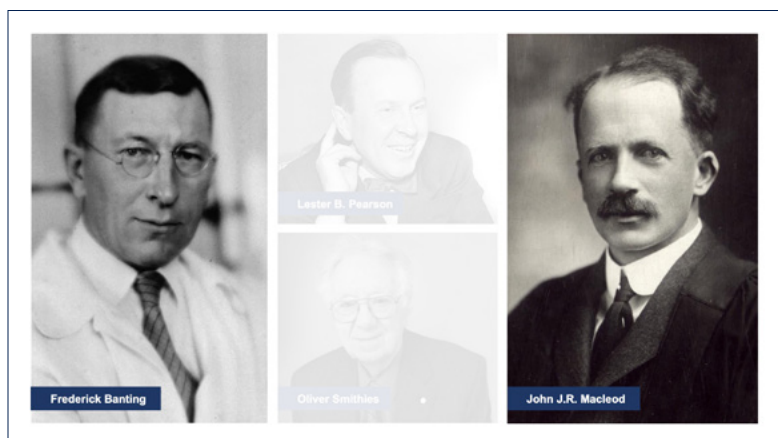
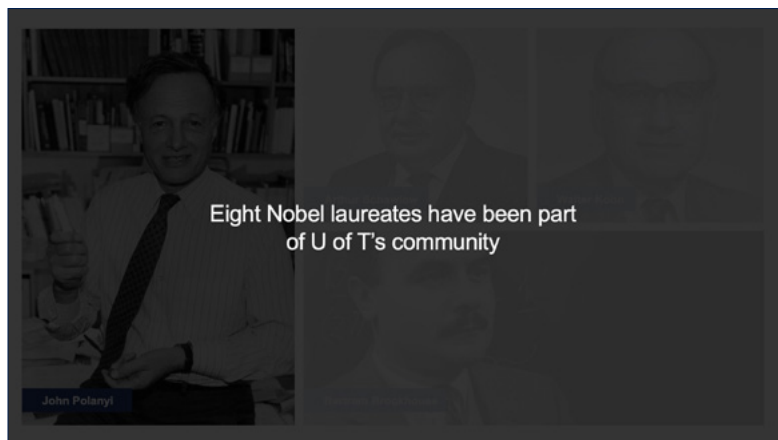
Source: <https://www.utoronto.ca/news/john-dick-and-zulfiqar-bhutta-win-canada-gairdner-awards#:~:text=Two%20researchers%20at%20the%20University,for%20medical%20and%20health%20science>

NEXT SLIDE

Another prestigious faculty appointment is the Canada Research Chairs program. At 330, U of T and Toronto hospitals' allocation of Canada Research Chairs (CRCs) is the largest in the country. U of T has 138 more CRCs than the next closest university.

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Section 3
**Excellence and Leadership
in Society**



I'd now like to speak about U of T's excellence and leadership in society.

Pictured: Measha Brueggergosman (MUSP 1999), Soprano

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Perhaps the most prestigious measure of any intellectual community is its association with the Nobel Prize. Eight Nobel laureates have been part of U of T's community. They include:

[CLICK](#)

- John Polanyi (faculty) won the 1986 Nobel Prize in Chemistry, for his research in chemical kinetics. Polanyi's first academic appointment was at the University of Toronto, and he remains University Professor Emeritus.

ADDITIONAL NOTES FOR SPEAKER:

List of Nobel laureates associated with U of T:

- Bertram Brockhouse (alumnus MA 1948, PhD 1950) was awarded the Nobel Prize in Physics in 1994, along with Clifford Shull, "for pioneering contributions to the development of neutron scattering techniques for studies of condensed matter", in particular "for the development of neutron spectroscopy".
- Arthur Schawlow (alumnus PhD 1949) – was awarded the 1981 Nobel Prize in Physics along with Nicolaas Bloembergen and Kai Siegbahn for his work on lasers.
- Walter Kohn (alumnus MA 1946) was awarded the Nobel Prize in Chemistry in 1998 along with John Pople for contributions to the understandings of the electronic properties of materials.

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[CLICK](#)

And Frederick Banting and John J.R. Macleod, who, as I mentioned earlier, discovered insulin with Charles Best and James Collip – one of the most life-changing discoveries of the 20th century

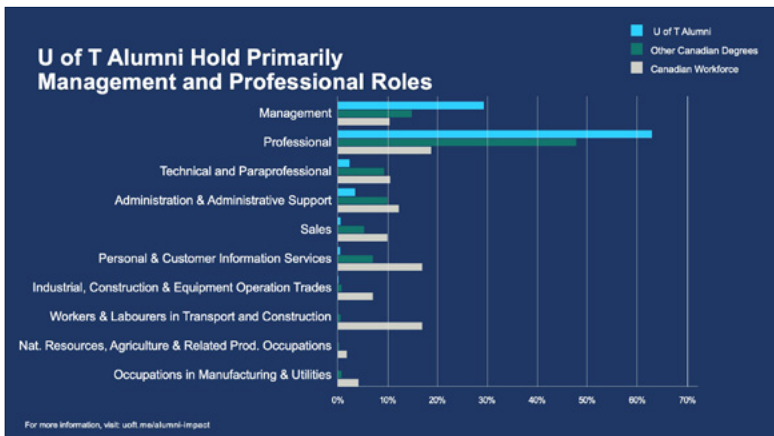
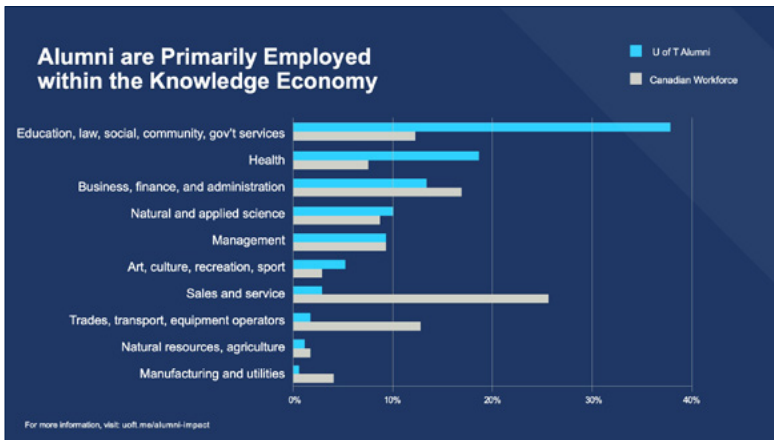
ADDITIONAL NOTES FOR SPEAKER:

List of Nobel laureates associated with U of T:

- John J.R. Macleod (faculty) and Frederick Banting (faculty and alumnus) received the 1923 Nobel prize in Physiology or Medicine for their discovery of insulin, along with Charles Best and James Collip. Banting, who received the Nobel Prize at age 32, remains the youngest Nobel laureate in the area of Physiology/Medicine.
- Lester B. Pearson, who remains not only one of Canada's best-known Prime Ministers but also one of the 20th century's most influential statesmen.
- Oliver Smithies (faculty) won the Nobel Prize in Physiology or Medicine in 2007 for his genetics work, along with Mario R. Capecchi and Sir Martin J. Evans. In conjunction with attempts to find treatment methods for hereditary blood diseases, Oliver Smithies discovered that a disease-causing gene could be modified. He spent 7 years as faculty at U of T, from 1953 to 1960, and credits early observations of gene duplication made at that time as leading to his later discoveries that were recognized by the Nobel Foundation. Norma Ford Walker, PhD, at the Hospital for Sick Children taught him practical human genetics.

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ON-SCREEN IMAGE



SPEAKER'S NOTES

Another measure of excellence is U of T's worldwide network of alumni. [CLICK](#)

A comprehensive survey conducted in 2017 reflects how U of T alumni fuel innovation, prosperity, and progress and contribute to the economic, social, and cultural vitality of Canada and in communities around the globe.

[CLICK](#)
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If we look at employment, entrepreneurship, and investment, we see that our alumni start profitable companies, invest in innovative startups, and are employed in meaningful work.

[NEXT SLIDE](#)

When it comes to employment, alumni active in the labour force enjoy a 97.6 per cent employment rate, with a higher percentage of alumni participating in the knowledge-intensive economy compared with the national average, particularly in the educational, legal, health, and government sectors.

[NEXT SLIDE](#)

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[NEXT SLIDE](#)

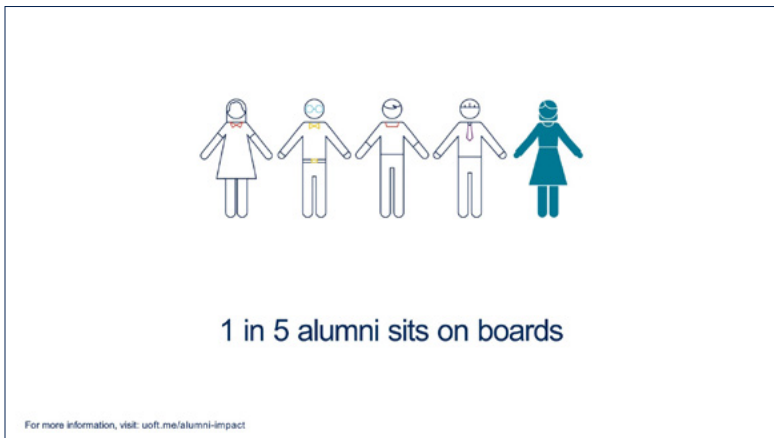
63.2 per cent of alumni hold professional roles, compared with 18.1 per cent of the Canadian workforce.

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U of T alumni are employed in leadership roles at a greater proportion than others in Canada. Ten per cent of alumni are employed in senior positions such as presidents, CEOs, and elected officials, compared with 1.2 per cent of the Canadian workforce.

NEXT SLIDE



University of Toronto alumni lead by example, sharing their time and expertise to help others as board members, volunteers, and mentors in their communities.

They are leaders and advisors for various influential organizations in the for-profit and not-for-profit sectors, with approximately one in five alumni serving on boards.

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In total, our alumni serve on 172,000 boards!

NEXT SLIDE



... and have devoted a total of 1.16 million years of not-for-profit board service!

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2.8 million hours of volunteer
service per month

For more information, visit: uoft.me/alumni-impact



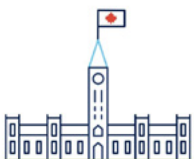
330,000 alumni have
served as mentors

For more information, visit: uoft.me/alumni-impact



For more information, visit: uoft.me/alumni-impact

4 Canadian Prime Ministers



SPEAKER'S NOTES

Our alumni are also active volunteers and mentors. They devote 2.8 million hours of volunteer service per month . . .

NEXT SLIDE

. . . while 330,000 alumni (or 62 per cent of total alumni) have served as mentors at the University, at their place of work, at non-profit organizations and at other institutions.

NEXT SLIDE

U of T alumni create hundreds of thousands of academic publications, professional and public policy documents, and artistic and cultural works. In total, 330,000 of our alumni have produced more than 760,000 individual professional, academic, or artistic contributions, including:

- 200 thousand peer-reviewed articles, books, and conference presentations
- 125 thousand standards and professional practice reports
- 79 thousand educational programs, guidelines, or policies disseminated beyond their employer or institution
- 89 thousand works of literary, performing, or visual art for public consumption
- 64 thousand non-fiction books, textbook, or manuals

NEXT SLIDE

U of T alumni have held the very top positions in Canada, and we are very proud to include four Prime Ministers...

ADDITIONAL NOTES FOR SPEAKER:

Prime Ministers William Lyon Mackenzie King, Arthur Meighen, Lester B. Pearson, and Paul Martin all received degrees from U of T.

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SPEAKER'S NOTES

4 Canadian Prime Ministers

3 Governors General



...three Governors General...

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4 Canadian Prime Ministers

3 Governors General

17 Supreme Court Justices



...17 Supreme Court Justices...

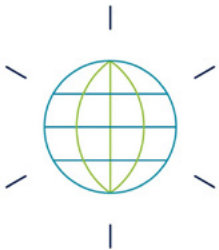
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4 Canadian Prime Ministers

3 Governors General

17 Supreme Court Justices

4 Heads of State



...four World Heads of State...

ADDITIONAL NOTES FOR SPEAKER:

The four are:

- *The Hon. Dame Eugenia Charles (BA, UC, 1946), Prime Minister of Dominica (1980-1995)*
- *Dr. Noor Hassanali (BA, Vic, 1947; HonLLD, UofT, 1990), President of the Republic of Trinidad and Tobago (1987-1997)*
- *Dr. Liu Chao-shiuan (PhD (Chemistry), UofT, 1971), Premier of Taiwan (2008-2009)*
- *Dr. Vaira Vike-Freiberga (BA, Vic, 1958; MA (Psychology), UofT, 1960; HonLLD, UofT, 2008), President of the Republic of Latvia (1999-2007)*

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4 Canadian Prime Ministers

3 Governors General

17 Supreme Court Justices

4 Heads of State

16 Canadian Premiers



... and 16 Canadian Premiers among them.

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SPEAKER'S NOTES



4 Canadian Prime Ministers
3 Governors General
17 Supreme Court Justices
4 Heads of State
16 Canadian Premiers
302 Olympic Athletes
(alumni and students)

There are many other fields in which U of T alumni have excelled.

These include:
At the Olympics, with 302 U of T alumni and student athletes

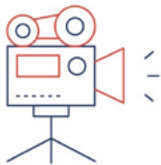
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2 Astronauts

Astronauts (2)

[NEXT SLIDE](#)



2 Astronauts
6 Academy Award winners

Academy Award winners (6)

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2 Astronauts
6 Academy Award winners
24 Juno Award winners

Juno Award winners (24)

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ON-SCREEN IMAGE

SPEAKER'S NOTES



2 Astronauts
6 Academy Award winners
24 Juno Award winners
6 Grammy Award winners

Grammy Award winners (6)

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2 Astronauts
6 Academy Award winners
24 Juno Award winners
6 Grammy Award winners
3 Booker Prize winners

Booker Prize winners (3)

ADDITIONAL NOTES FOR SPEAKER:

*Margaret Atwood received the Booker Prize twice - for her novels *The Blind Assassin* in 2000 and *The Testaments* in 2019. Michael Ondaatje received the Booker for his novel *The English Patient* in 1992, which also won the Golden Man Booker Prize in 2018. This special accolade marked the 50th anniversary of the prize and places Ondaatje's novel as top among all Booker winners over the past 50 years.*

[NEXT SLIDE](#)



2 Astronauts
6 Academy Award winners
24 Juno Award winners
6 Grammy Award winners
3 Booker Prize winners
10 Giller Prize winners

Giller Prize winners (10)

[NEXT SLIDE](#)



Trailblazing ideas conceived by U of T alumni have shaped global conversations and continue to do so today. These include thought leaders, advocates for global issues, and stars of arts and culture.

These alumni are able to achieve so much because they are drawing on the transformative educational experience available at the University of Toronto.

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ON-SCREEN IMAGE



SPEAKER'S NOTES

U of T is known for:

Our accessibility
Our diversity
And our excellence

First, our accessibility:

NEXT SLIDE

45 per cent of first-year undergraduates accessing OSAP (Ontario Student Assistance Program) come from families with an annual income of less than \$50 thousand, which reflects the University's commitment to ensuring that no qualified student will be denied access for financial reasons – a commitment that is unique among Canadian universities.

Next, our diversity:

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In a 2020 survey, 73 per cent of first-year U of T students indicated racialized and/or Indigenous identities.

*ADDITIONAL NOTES FOR SPEAKER:
data derived from National Survey of Student Engagement*

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In the same survey, 16% of first-year and 18% of senior-year students indicated they were the first in their families to attend university.

Source:
https://data.utoronto.ca/wp-content/uploads/2022/07/PI-2021-_full-compressed.pdf
(pg 56)

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SPEAKER'S NOTES

Students receive the very best in teaching. Ninety per cent of U of T's accomplished scholars take an active role in undergraduate instruction and engagement.

ADDITIONAL NOTES FOR SPEAKER:

"Accomplished scholars" are defined as Canada Research Chairs, University Professors and/or endowed chairs.

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The number of prestigious student awards received by our graduate students offers an assessment of the University's ability to recruit excellent students and provide an environment in which they can thrive. Between 2012 and 2021, 16.8 per cent of prestigious Canadian doctoral scholarships were awarded to U of T students, even though they only comprise 12.2 per cent of total Canadian doctoral students.

Pictured: February 14, 2019 - Arthur Slutsky in his lab with graduate student Thenuka Thanabalasingam (left) and researcher Dr. Haibo Zhang (right).

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U of T is also unique in the style of learning it offers its students. In fact, U of T is leading a revolution in the way education is offered and developed. Here, students focus not just on the skills necessary to complete their degree, but also the competencies that underpin these skills, such as leadership, global fluency, and team work. We focus on offering them a comprehensive global education.

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The Rhodes Scholarships are postgraduate awards supporting exceptional students from around the world to study at the University of Oxford. In 2022, Iakoiehwáhtha (ya-go-ye-wah-ta) Patton, a fourth-year art history student, Kanien'kehá:ka (gah-nyen-geh-hah) and a member of the Kahnawake First Nation in Quebec, received the prestigious award. She is believed to be the first First Nations woman from Canada to become a Rhodes Scholar.

Source: <https://www.cbc.ca/originalvoices/language/kanienkeha/>

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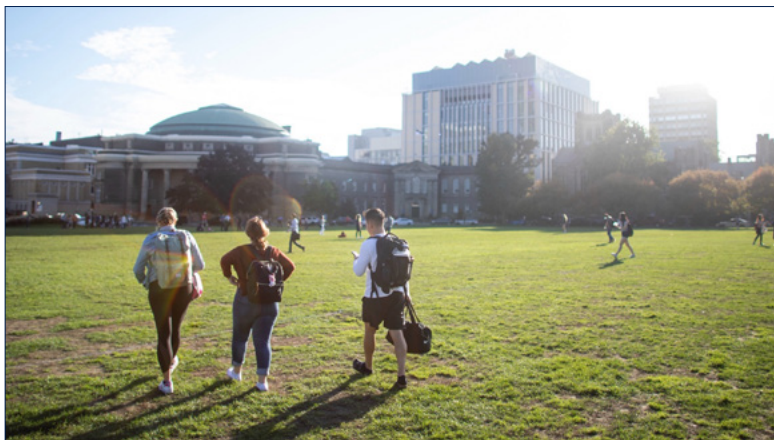
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SPEAKER'S NOTES



Our location plays a vital role in this style of learning. When U of T was founded in 1827, Toronto was just a fledgling urban centre.

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Like U of T, it has grown immensely, as have our contributions to each other. This symbiotic relationship has played a vital role in the University's position on the world stage today.

[NEXT SLIDE](#)



Our three campuses span the Greater Toronto Area, allowing students to take part in work-integrated learning throughout one of the world's most diverse urban environments.

[NEXT SLIDE](#)



Smaller learning communities enhance these opportunities, which is why every student within the Faculty of Arts and Science is affiliated with one of seven colleges.

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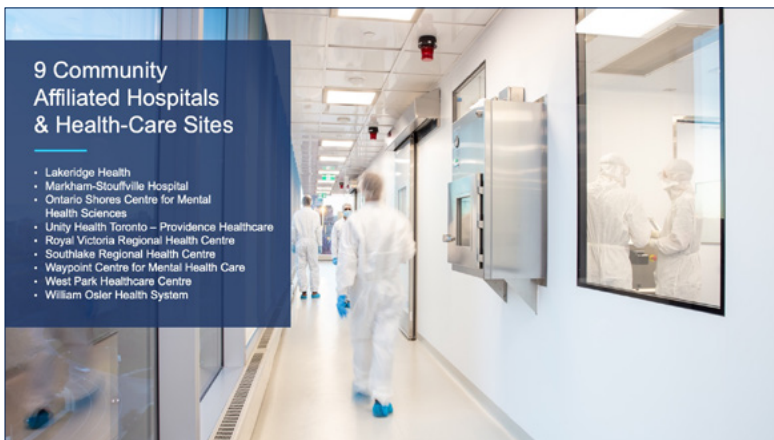
Nine fully affiliated hospitals...

[NEXT SLIDE](#)



... and 6 associate affiliated hospitals.

[NEXT SLIDE](#)



In addition to TAHSN, U of T also has nine community-affiliated hospitals and health-care sites offer teaching and research experiences for our health-sciences students that are among the best in North America.

[NEXT SLIDE](#)



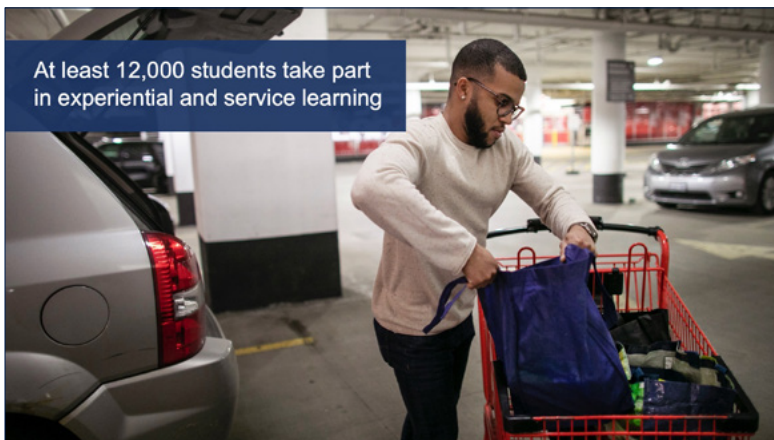
Launched in 2014, the Waakebiness-Bryce Institute for Indigenous Health at U of T's Dalla Lana School of Public Health is the world's first privately funded Indigenous health institute. Researchers and educators from across the University work with community partners and Indigenous Peoples to address the complex factors that underlie disparities in health between Indigenous and non-Indigenous people.

The institute offers a land-based course at our sacred site at U of T's Hart House Farm.

The Temerty Faculty of Medicine is also developing a sustainable Indigenous Health program to support learners, staff, and faculty with an Office of Indigenous Health, a manager of Indigenous Health Education and a dedicated Elder-in-Residence.

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ON-SCREEN IMAGE



SPEAKER'S NOTES

Our student-run dentistry clinic serves community members who might otherwise not receive quality dental care.

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Downtown Legal Services is a poverty law clinic and a clinical education program operated by the Faculty of Law. The clinic offers free legal services to approximately 2,000 clients. Roughly 140 law students work at the clinic under the supervision of expert staff lawyers.

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Many of our students take part in work study, mentorship, and leadership opportunities, governance, international experiences, research opportunities, personal and professional development, course unions, clubs and organizations, university-affiliated volunteer experiences, and student life programs.

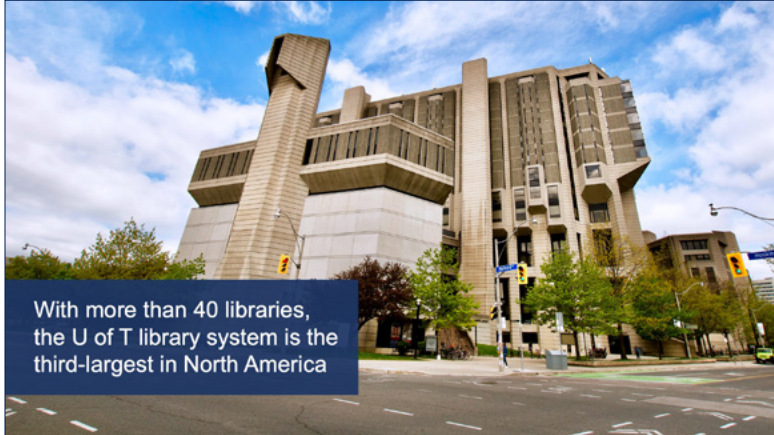
Source: U of T Performance Indicators 2021 (p 81: Co-Curricular Record)

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Indeed, students can join more than 1,100 clubs, organizations, and activities across all three campuses

[NEXT SLIDE](#)

ON-SCREEN IMAGE



SPEAKER'S NOTES

U of T's collections across 44 libraries are unparalleled in Canada in their richness and diversity.

[NEXT SLIDE](#)

The Munk School of Global Affairs & Public Policy continued to host virtual events throughout the pandemic. When COVID restrictions lifted during the 2021-2022 academic year, the school had 18,755 people attend in-person, hybrid, and online events in real-time from 119 countries, with more than 300,000 subsequent views on YouTube.

In June 2022, the Munk School partnered with the Office of the President to host an interactive virtual event with President Volodymyr Zelenskyy of Ukraine, bringing in 12 universities across Canada and resulting in more than 900,000 views on social media and an estimated 2.6 billion media impressions.

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Faculty and staff will tell you U of T provides a work environment that encourages them to achieve their very best. This is why the University of Toronto is recognized as one of Canada's top employers, top family-friendly employers, and best diversity employers.

[NEXT SLIDE](#)

It is also recognized as one of Canada's greenest employers because of its excellence in innovation around sustainability.

[NEXT SLIDE](#)

ON-SCREEN IMAGE



SPEAKER'S NOTES

Eighty per cent of faculty and staff report being very satisfied with their job.

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As U of T looks to the future, it will continue to celebrate the rich and remarkable relationship it enjoys with the city of Toronto..... create opportunities for young people to excel and capitalize on their talents and help to build a healthier and more equitable society by making a difference in our global community.

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End of Presentation - President's video