

A close-up, low-angle shot of a person's face, looking upwards and slightly to the right. The person has dark hair and light-colored eyes. The background is dark and out of focus.

LIFE IN 2027

EXCELLENCE, INNOVATION, LEADERSHIP:  
RESEARCH AT THE UNIVERSITY OF TORONTO

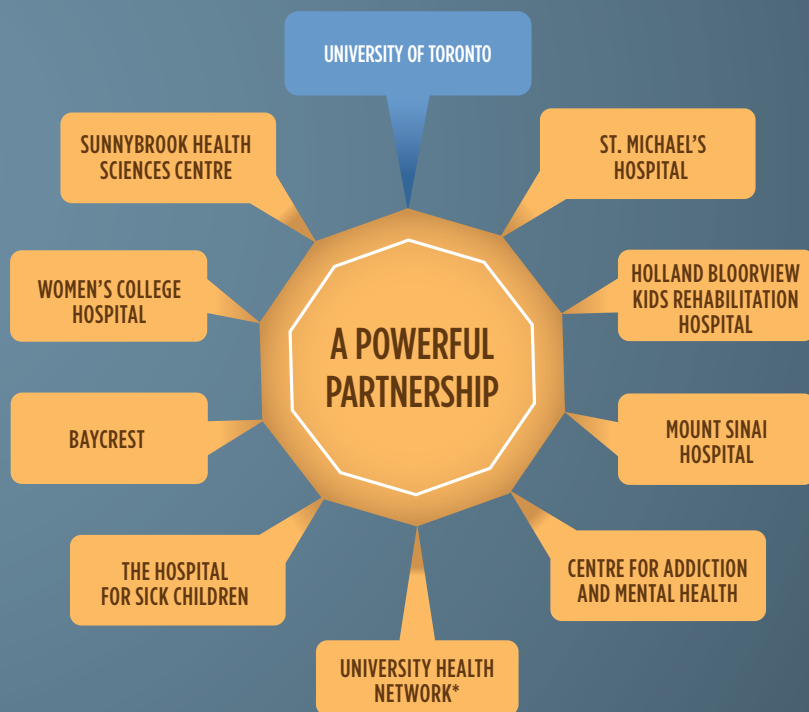
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# U of T RESEARCH BY THE NUMBERS

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# A POWERFUL PARTNERSHIP

The combination of U of T and the nine partner hospitals affiliated with the university creates one of the world's largest and most innovative health research forces. More than 2,000 researchers and over 5,000 graduate students and postdoctoral fellows pursue the next vital steps in every area of health research imaginable.



\*Composed of Toronto General Hospital, Toronto Western Hospital, Princess Margaret Hospital, and Toronto Rehabilitation Institute

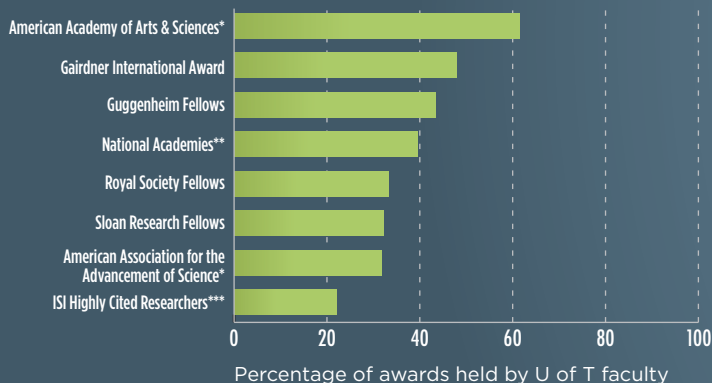
# FACULTY EXCELLENCE

U of T researchers consistently win more prestigious awards than their peers at any other Canadian university. See the end of this booklet for a detailed list of awards and honours received by our faculty in recent years.

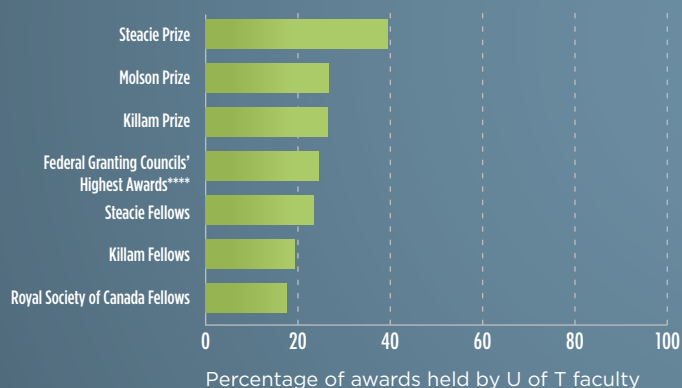
## FACULTY HONOURS (1980-2011)

University of Toronto compared to awards held at other Canadian universities

### INTERNATIONAL AWARDS



### NATIONAL AWARDS



\* Current members only

\*\* The National Academies consist of: Institute of Medicine, National Academy of Engineering, National Academy of Sciences

\*\*\* As of Sept 2011

\*\*\*\* Federal Granting Councils' Highest Awards: NSERC: Gerhard Herzberg Canada Gold Medal for Science and Engineering; CIHR: Michael Smith Prize/Health Researcher of the Year; SSHRC: Gold Medal for Achievement in Research

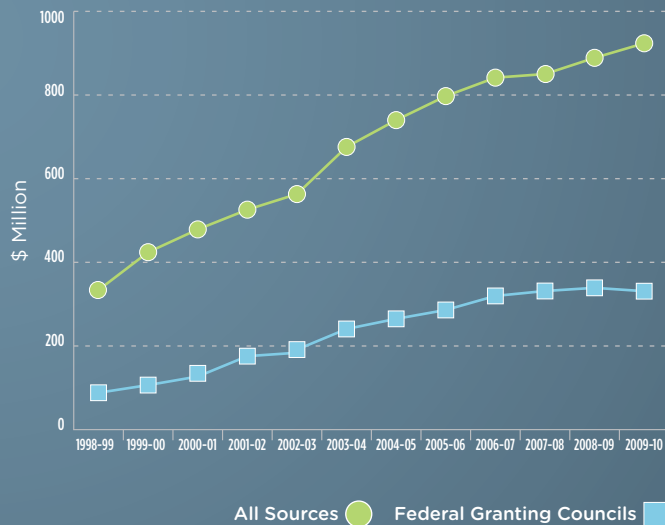
# RESEARCH FUNDING

U of T's research funding has been increasing steadily over the past decade.

## RESEARCH FUNDS AWARDED

(1998-99 to 2009-2010)

U of T including partner hospitals



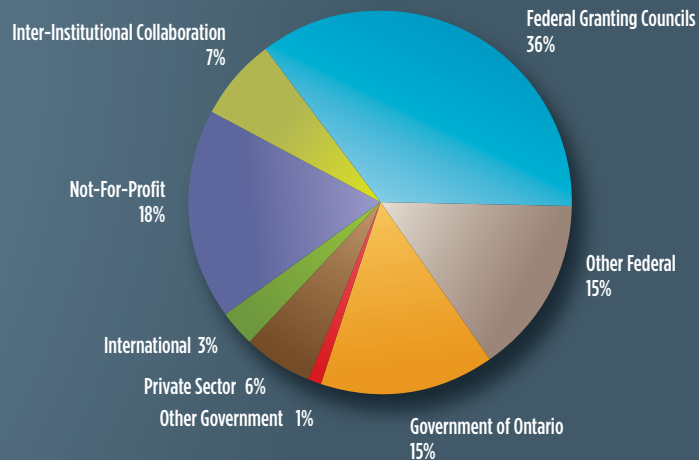
**NOTE:** Federal Granting Councils includes funding for Canada Research Chairs

Research funding at U of T comes from a variety of sources, in particular the federal and provincial governments.

## RESEARCH FUNDS AWARDED BY SECTOR

(2009-2010)

Total: \$924M

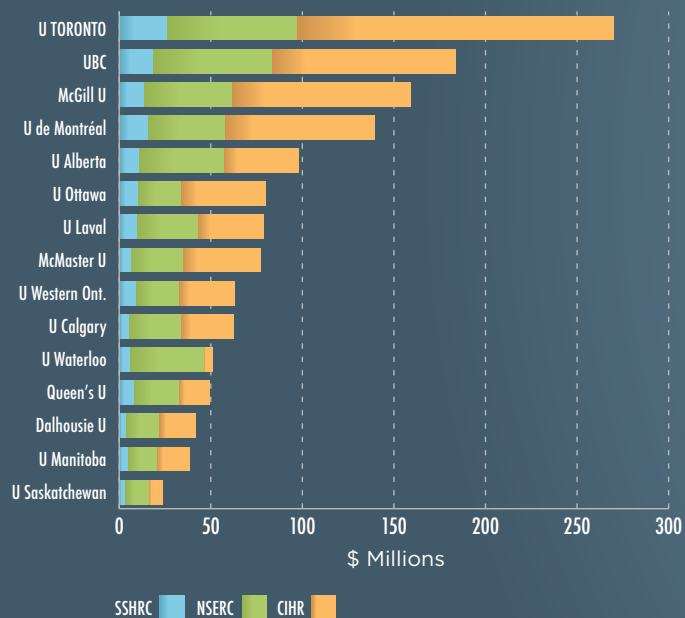


**NOTE:** Funding for affiliates and partner hospitals included

# FEDERAL FUNDING

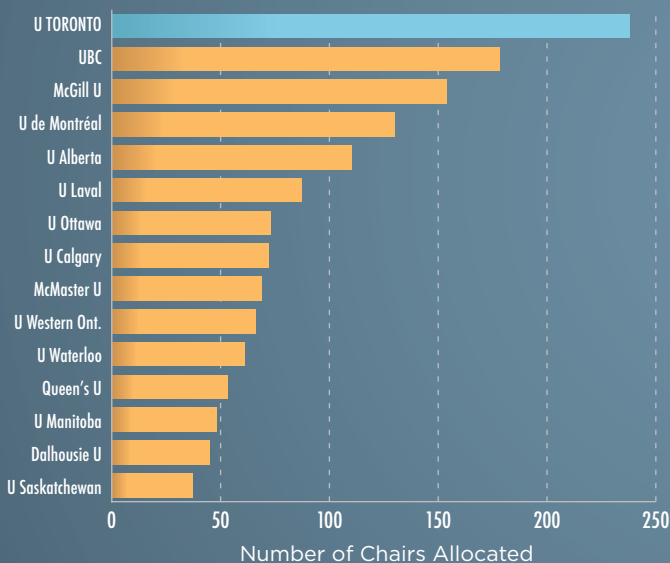
U of T leads all Canadian universities in funding from the federal granting councils and the Canada Research Chairs program.

## FEDERAL GRANTING COUNCIL FUNDING TO U15 UNIVERSITIES (2010-2011)



**NOTES:** Excludes Networks of Centres of Excellence, Canada Research Chairs, Indirect Costs and funding for the Canadian Light Source and Canadian Microelectronic Corporation. Funding for affiliates and partner hospitals counted with each university

## CANADA RESEARCH CHAIRS AT U15 UNIVERSITIES (2011-2012)



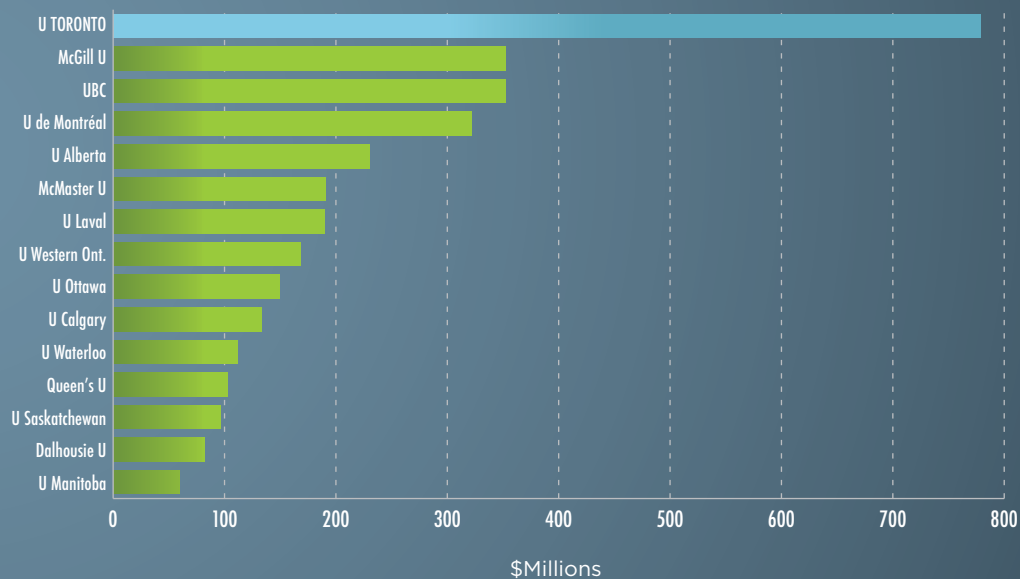
**DATA SOURCE:** CRC website, updated March 2011

**NOTES:** Montréal includes École Polytechnique and École des Hautes Études Commerciales (regular chairs only)

# FEDERAL FUNDING

U of T leads all Canadian universities in funding from the Canada Foundation for Innovation.

## CANADA FOUNDATION FOR INNOVATION FUNDING TO U15 UNIVERSITIES



**DATA SOURCE:** CFI website, September 26, 2011 (funding since inception)

**NOTES:** Funding for affiliates and partner hospitals included with each university

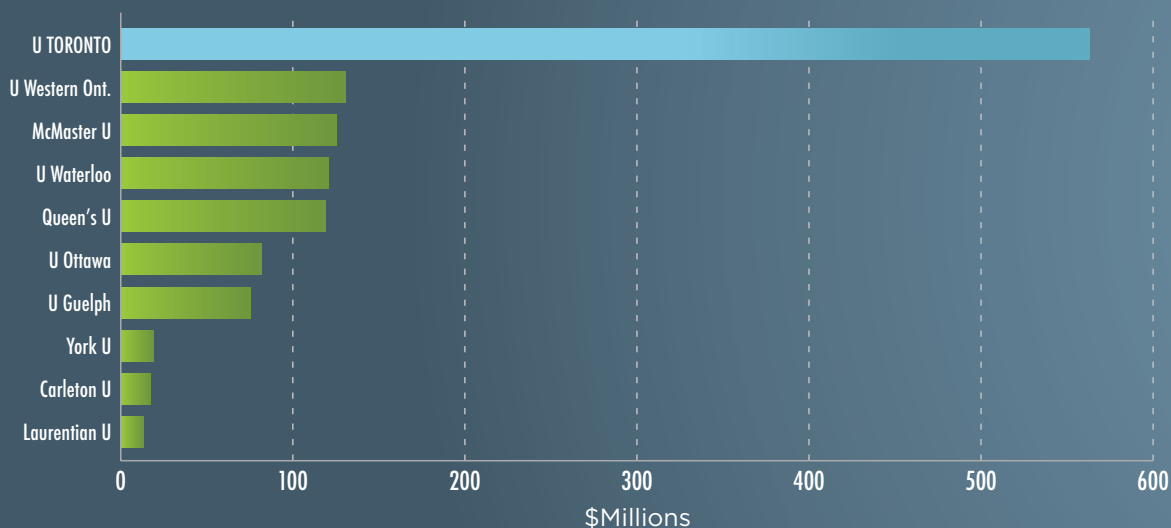
National projects excluded

# PROVINCIAL FUNDING

U of T leads all Ontario universities in funding from the Ministry of Research and Innovation.\*

## ONTARIO MINISTRY OF RESEARCH AND INNOVATION (MRI) FUNDING

Top Ten Universities



**DATA SOURCE:** Ministry of Research and Innovation (MRI), December 2011

**NOTES:** Limited to main competitive programs (funding since inception)

Funding for affiliates and partner hospitals included with each university

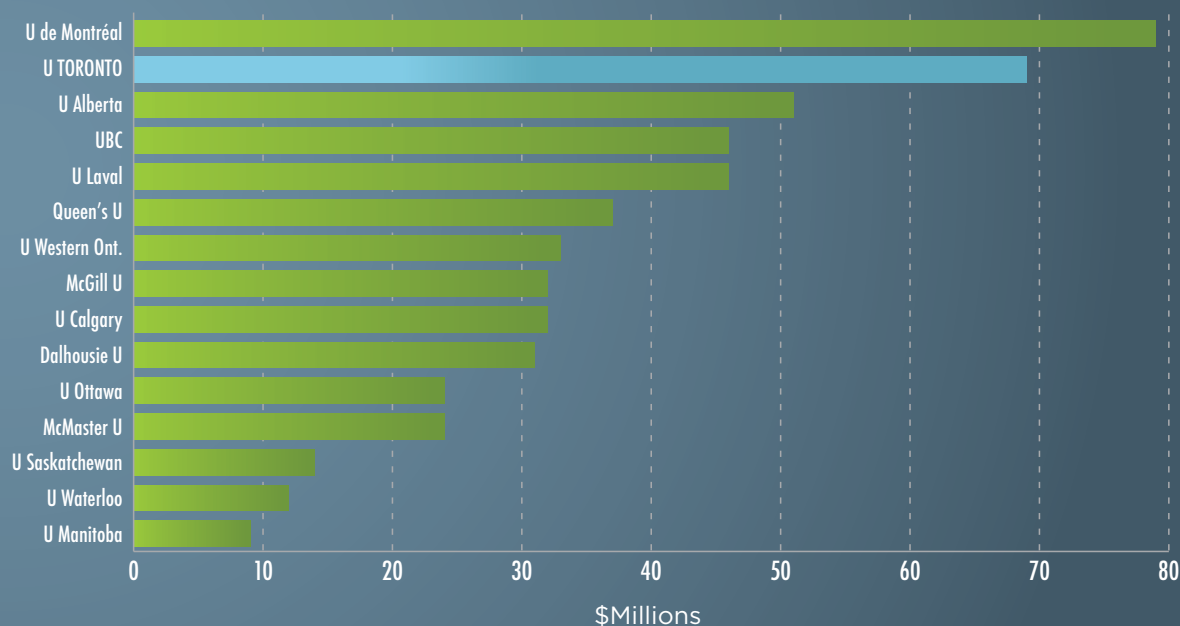
\*As of October 2011, the Ministry of Research and Innovation has merged with the Ministry of Economic Development and Trade to form the Ministry of Economic Development and Innovation.



# INDUSTRY FUNDING

U of T is among Canada's leaders in industry-sponsored research.

## INDUSTRY FUNDING TO U15 UNIVERSITIES (2008-2009)



DATA SOURCE: CAUBO 2008-09

NOTES: Funding for affiliates and partner hospitals included with each university

U Toronto data corrected for 1-year lag in reporting for affiliates

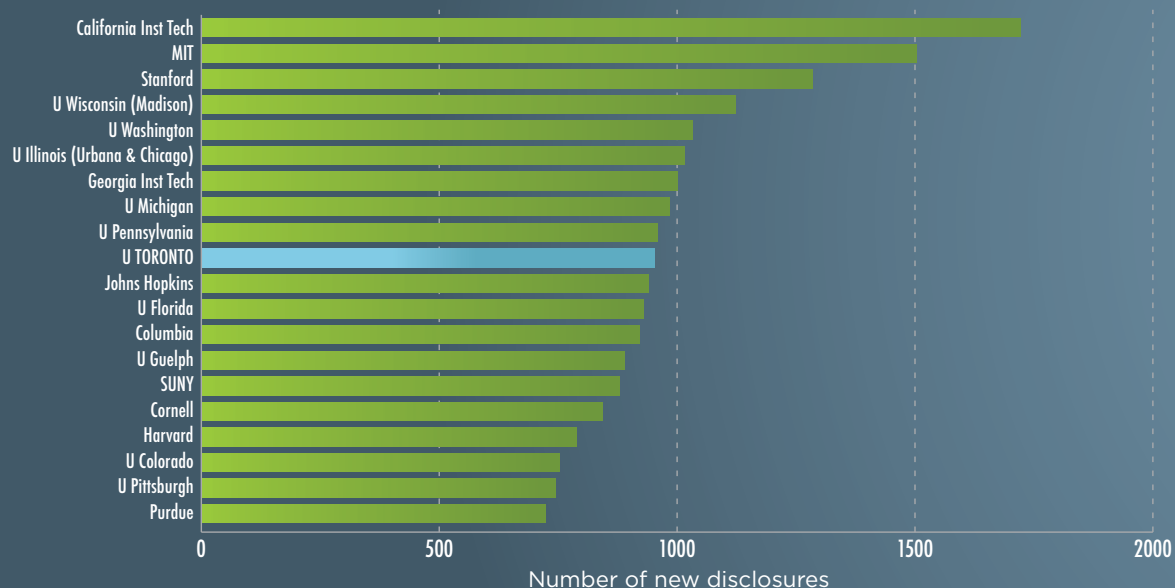
McMaster: only entities consolidated included

# INNOVATIONS

U of T is among North America's leaders in new invention disclosures.

## INVENTION DISCLOSURES (2006-2009)

U.S. & Canadian universities



**DATA SOURCE:** AUTM Survey 2007 and 2008; AUTM STATT data 2009; Biodiscovery Toronto 2010 Summary Report on AUTM compatible indicators for the year 2009

**NOTES:** Where available, University of Toronto includes the following affiliate hospitals: Holland Bloorview Kids Rehabilitation Hospital, Centre for Addiction and Mental Health, Hospital for Sick Children, Mount Sinai Hospital, Sunnybrook Health Sciences Centre, and University Health Network

U Washington includes Washington Research Foundation in all years

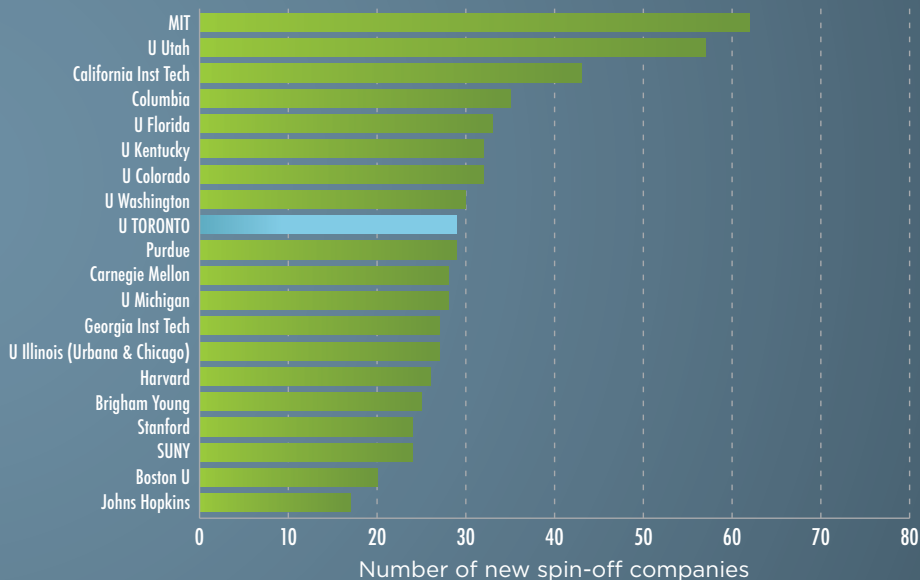
University of California system excluded

# INNOVATIONS

U of T is among North America's leaders in creating spin-off companies.

## NEW SPIN-OFF COMPANIES (2006-2009)

U.S. & Canadian universities



**DATA SOURCES:** AUTM Survey 2007 and 2008; AUTM STATT data 2009; Biodiscovery Toronto 2010 Summary Report on AUTM compatible indicators for the year 2009

**NOTES:** Where available, University of Toronto includes the following affiliate hospitals: Holland Bloorview Kids Rehabilitation Hospital, Centre for Addiction and Mental Health, Hospital for Sick Children, Mount Sinai Hospital, Sunnybrook Health Sciences Centre, and University Health Network

U Washington includes Washington Research Foundation in all years

University of California system excluded

# IMPACT

U of T is one of the leading institutions in North America for publications and citations.

## RANKINGS ON PUBLICATIONS AND CITATIONS (2006-2010)

	CANADIAN PEERS - U15		NORTH AMERICAN PEERS* - PUBLIC (N=51)		NORTH AMERICAN PEERS* - ALL (N=77)	
	PUBLICATIONS	CITATIONS	PUBLICATIONS	CITATIONS	PUBLICATIONS	CITATIONS
<b>All Fields</b>	1	1	1	1	2	3
<b>HEALTH &amp; LIFE SCIENCES</b>	1	1	1	1	2	3
Cardiac & Cardiovascular Systems	1	1	1	1	3	5
Infectious Diseases	1	1	6	6	10	12
Molecular Biology & Genetics	1	1	1	2	2	5
Neuroscience & Behaviour	1	1	2	4	4	10
Oncology	1	1	1	1	2	3
Rehabilitation	1	1	1	1	1	1
Public, Environmental & Occupational Health	1	1	5	6	8	9
<b>ENGINEERING &amp; MATERIALS SCIENCE</b>	1	1	8	7	9	11
Cell & Tissue Engineering	1	1	1	1	3	3
Environmental Engineering	2	1	3	1	3	1
Nanoscience & Nanotechnology	1	1	15	10	22	15
<b>PHYSICAL SCIENCES</b>						
Chemistry	1	1	4	11	6	17
Computer Science	2	1	9	6	13	10
Optics	1	1	6	7	11	16
Space Science	1	1	11	6	18	10
<b>SOCIAL SCIENCES</b>	1	1	2	5	3	7
Anthropology	1	1	3	12	4	15
Criminology & Penology	1	1	2	2	2	2
Education & Educational Research	1	1	3	10	5	13
Economics & Business	1	1	6	8	17	20
<b>HUMANITIES</b>						
Humanities, Multidisciplinary	1	1	1	1	4	6
Linguistics	1	1	1	5	1	6
Philosophy	1	1	1	7	1	12

## WORLD UNIVERSITY RANKINGS

The University of Toronto ranks among the world's leading research-intensive universities, as indicated by several international institutional rankings organizations.

	World Rank
HEEACT* 2011	9
Times Higher Education 2011	19
QS World University Rankings 2011	23
Shanghai Jiao Tong 2011	26

\*HEEACT = Higher Education Evaluation and Accreditation Council of Taiwan

**DATA SOURCE:** Data reproduced from University Science Indicators with permission from THOMSON REUTERS®, Inc. (Thomson®), Philadelphia, Pennsylvania, USA; © copyright THOMSON REUTERS® 2010; all rights reserved

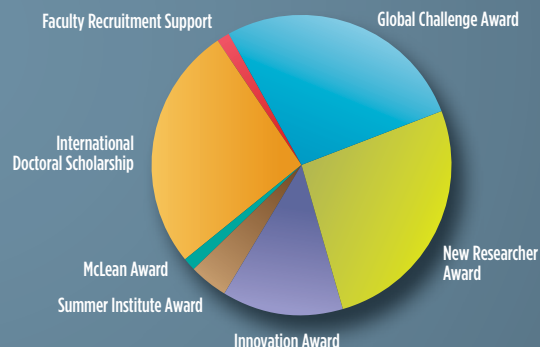
\*Peers include AAU, U15, and the University of California at San Francisco

# CONNAUGHT FUND

## CONNAUGHT FUND – RECOGNIZING EXCELLENCE · CREATING IMPACT

Founded in 1972, the Connaught Fund was created from the sale of Connaught Medical Research Laboratories, which first mass-produced insulin, the Nobel Prize-winning discovery of U of T Professors Frederick Banting, Charles Best, J.J.R. Macleod and Bertram Collip. The University has stewarded the fund in the years since, awarding more than \$120 million to U of T researchers. Today, the fund invests over \$3 million annually in emerging and established scholars. In 2010 the Office of the Vice-President, Research launched a series of new programs under the Connaught banner to target unmet societal needs and cultivate collaborations with transformative impact.

### CONNAUGHT FUND ANNUAL PROGRAM ALLOCATIONS<sup>1</sup>



PROGRAM	# OF AWARDS	MAXIMUM ALLOCATION
Global Challenge Award	1 full award	\$1,030,000
	3 proposal development awards	
New Researcher Award	60 awards in \$10K category	\$1,000,000
	8 awards in \$50K category	
Innovation Award	approx. 10 awards	\$500,000
Summer Institute Award	up to 3 awards	\$150,000
McLean Award	1 award	\$50,000
International Doctoral Scholarship	numerous awards	\$1,000,000
Faculty Recruitment Support	numerous awards	\$50,000
<b>Total</b>		<b>\$3,780,000</b>

<sup>1</sup>Actual spending varies year-by-year depending on demand, quality of submissions and funds availability. The 2010-11 total expenditure level was \$2.9M due to ramp-up of new programs.



Dr. Stephen Lye is the lead investigator on the inaugural \$1 million Global Challenge Award-winning project “Developmental Trajectories: A University of Toronto System-Wide Initiative to Improve Health, Learning, and Society.” The Connaught Global Challenge Award brings together leading University of Toronto researchers

from multiple disciplines, as well as innovators and thought leaders from other sectors, to heighten the University’s contribution to important issues facing society.

For more information visit  
[www.research.utoronto.ca/connaught](http://www.research.utoronto.ca/connaught)

# AWARDS AND HONOURS

## SELECTED AWARDS AND HONOURS (2009-2011)

### **ACTA BIOMATERIALIA GOLD MEDAL, SOCIETY FOR BIOMATERIALS AWARDS**

**Michael Sefton**, Chemical Engineering and Applied Chemistry, Institute of Biomaterials and Biomedical Engineering

### **ALBERT EINSTEIN WORLD AWARD OF SCIENCE, WORLD CULTURAL COUNCIL**

**Geoffrey Ozin**, Chemistry

### **AMERICAN ACADEMY OF ARTS AND SCIENCE – FOREIGN HONORARY MEMBER**

**Spencer Barrett**, Ecology and Evolutionary Biology

**Brian Stock**, English

### **AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE – FELLOW**

**Stewart Aitchison**, Electrical and Computer Engineering

**Brenda Andrews**, Molecular Genetics

**Nasser Ashgriz**, Mechanical and Industrial Engineering

**Charlie Boone**, Molecular Genetics

**Allan Borodin**, Computer Science

**Sanjeev Chandra**, Mechanical and Industrial Engineering

**William Cluett**, Chemical Engineering and Applied Chemistry

**Eleftherios Diamandis**, Laboratory Medicine and Pathobiology

**Elizabeth Edwards**, Chemical Engineering and Applied Chemistry

**Andrew Goldenberg**, Mechanical and Industrial Engineering

**Daphne Goring**, Cell and Systems Biology

**Bryan Karney**, Civil Engineering

**Hector Levesque**, Computer Science

**Freda Miller**, Molecular Genetics

**Javad Mostaghimi**, Mechanical and Industrial Engineering

**Jun Nogami**, Materials Science and Engineering

**Chul Park**, Mechanical and Industrial Engineering

**J. Paul Santerre**, Faculty of Dentistry, Institute of Biomaterials and Biomedical Engineering

**Edward Sargent**, Electrical and Computer Engineering

**Michael Sefton**, Chemical Engineering and Applied Chemistry, Institute of Biomaterials and Biomedical Engineering

**Molly Shoichet**, Chemical Engineering and Applied Chemistry

**R. Paul Young**, Civil Engineering

### **BOWER AWARD FOR ACHIEVEMENT IN SCIENCE, FRANKLIN INSTITUTE**

**W. Richard Peltier**, Physics

### **CANADA'S TOP 40 UNDER 40**

**Ike Ahmed**, Ophthalmology and Vision Sciences

**Daniel Durocher**, Molecular Genetics

**Ray Jayawardhana**, Astronomy and Astrophysics

**Muhammad Mamdani**, Leslie L. Dan Faculty of Pharmacy

**Subodh Verma**, Surgery

### **CANADIAN ACADEMY OF ENGINEERING – FELLOW**

**Barry Adams**, Civil Engineering

**Cristina Amon**, Mechanical and Industrial Engineering

**Stavros Argyropoulos**, Materials Science and Engineering

**William Bawden**, Civil Engineering

**Michael Collins**, Civil Engineering

**Elizabeth Edwards**, Chemical Engineering and Applied Chemistry

**Bruce Francis**, Electrical and Computer Engineering

**Andrew Goldenberg**, Mechanical and Industrial Engineering

**Masahiro Kawaji**, Chemical Engineering and Applied Chemistry

**Javad Mostaghimi**, Mechanical and Industrial Engineering

**Farid Najm**, Electrical and Computer Engineering

**Jonathan Rose**, Electrical and Computer Engineering

**Torstein Utigard**, Materials Science and Engineering

**Willem Vanderburg**, Civil Engineering

**Safwat Zaky**, Electrical and Computer Engineering

**David Zingg**, University of Toronto Institute for Aerospace Studies

**Jean Zu**, Mechanical and Industrial Engineering

### **CANADIAN ACADEMY OF HEALTH SCIENCES – FELLOW**

**Alison Buchan**, Laboratory Medicine and Pathobiology

**Geoffrey Fernie**, Surgery

**Vivek Goel**, Dalla Lana School of Public Health

**Patrick Gullane**, Otolaryngology – Head and Neck Surgery

**Amira Klip**, Biochemistry

**Anthony Lang**, Medicine

**Peter Lewis**, Biochemistry

**Ren-Ke Li**, Surgery

**Linda McGillis Hall**, Lawrence S. Bloomberg Faculty of Nursing

**Sioban Nelson**, Lawrence S. Bloomberg Faculty of Nursing

**Christopher Paige**, Medical Biophysics

**Helene Polatajko**, Occupational Science and Occupational Therapy

**James Rutka**, Surgery

**Mladen Vranic**, Physiology

**Paul Walfish**, Medicine

**Kue Young**, Dalla Lana School of Public Health

**Stanley Zlotkin**, Paediatrics

# AWARDS AND HONOURS

## CANADIAN MEDICAL HALL OF FAME – LAUREATE

John Dirks, Medicine  
J.J.R. Macleod, Medicine  
Tak Mak, Medical Biophysics  
M. Vera Peters, Medicine  
Charles Tator, Surgery  
Lap-Chee Tsui, Molecular Genetics  
Mladen Vranic, Physiology

## CANADIAN SCIENCE AND ENGINEERING HALL OF FAME – MEMBER

Ernest McCulloch, Medical Biophysics  
James Till, Medical Biophysics

## GOVERNOR GENERAL'S AWARDS IN VISUAL AND MEDIA ARTS, CANADA COUNCIL FOR THE ARTS

Shirley Wiitasalo, Art

## GOVERNOR GENERAL'S LITERARY AWARDS, CANADA COUNCIL FOR THE ARTS

Richard Greene, English and Drama, UTM

## GOVERNOR GENERAL'S MEDAL IN ARCHITECTURE, CANADA COUNCIL FOR THE ARTS

Patricia Hanson, John H. Daniels Faculty of Architecture,  
Landscape, and Design  
Barry Sampson, John H. Daniels Faculty of Architecture,  
Landscape, and Design  
Brigitte Shim, John H. Daniels Faculty of Architecture,  
Landscape, and Design  
John Shnier, John H. Daniels Faculty of Architecture,  
Landscape, and Design

## GRIFFIN POETRY PRIZE, THE GRIFFIN TRUST FOR EXCELLENCE IN POETRY

Albert Moritz, English

## GUGGENHEIM FELLOWSHIP, JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

Christy Anderson, Art

## HOLBERG INTERNATIONAL MEMORIAL PRIZE, LUDVIG HOLBERG MEMORIAL FUND AND THE NORWEGIAN PARLIAMENT

Natalie Zemon Davis, History  
Ian Hacking, Philosophy

## HUMBOLDT PROFESSORSHIP, ALEXANDER VON HUMBOLDT FOUNDATION

Hans-Arno Jacobsen, Electrical and Computer Engineering

## HUMBOLDT RESEARCH AWARD, ALEXANDER VON HUMBOLDT FOUNDATION

Ragnar-Olaf Buchweitz, Computer and Mathematical Sciences, UTSC  
Mark Lautens, Chemistry  
John Sipe, Physics

## KILLAM PRIZE, CANADA COUNCIL FOR THE ARTS

Mark Henkelman, Medical Biophysics  
Keren Rice, Linguistics  
Ernest Weinrib, Faculty of Law

## KILLAM RESEARCH FELLOWSHIP, CANADA COUNCIL FOR THE ARTS

Ran Hirschl, Political Science  
Thomas Hurka, Philosophy

Frank Kschischang, Electrical and Computer Engineering  
Eugenia Kumacheva, Chemistry  
Andreas Mandelis, Mechanical and Industrial Engineering  
Douglas Stephan, Chemistry

## L'ORÉAL-UNESCO AWARDS FOR WOMEN IN SCIENCE, L-ORÉAL-UNESCO

Eugenia Kumacheva, Chemistry

## MOLSON PRIZE, CANADA COUNCIL FOR THE ARTS/ SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL

Linda Hutcheon, English  
Wayne Sumner, Philosophy

## NATIONAL ACADEMIES (US) – FOREIGN ASSOCIATE MEMBER NATIONAL ACADEMY OF ENGINEERING

Edward Davison, Electrical and Computer Engineering  
Jonathan Rose, Electrical and Computer Engineering

## NATIONAL ACADEMY OF SCIENCES

J. Richard Bond, Canadian Institute for Theoretical  
Astrophysics  
Richard Lee, Anthropology

## NATIONAL ACADEMY OF SCIENCES (INDIA) – FOREIGN FELLOW

Vijaya Kumar Murty, Mathematics

## NSERC BROCKHOUSE CANADA PRIZE

Sanjeev Chandra, Mechanical and Industrial Engineering  
Thomas Coyle, Materials Science and Engineering  
Javad Mostaghimi, Mechanical and Industrial Engineering  
Valerian Pershin, Mechanical and Industrial Engineering

# AWARDS AND HONOURS

## **NSERC E.W.R. STEACIE FELLOWSHIP**

**Brendan Frey**, Electrical and Computer Engineering

**Ray Jayawardhana**, Astronomy and Astrophysics

**Shana Kelley**, Leslie L. Dan Faculty of Pharmacy

## **NSERC GERHARD HERZBERG GOLD MEDAL FOR SCIENCE AND ENGINEERING**

**Geoffrey Hinton**, Computer Science

**W. Richard Peltier**, Physics

## **NSERC JOHN C. POLANYI AWARD**

**Benjamin Blencowe**, Molecular Genetics

**Brendan Frey**, Electrical and Computer Engineering

## **NSERC SYNERGY AWARD FOR INNOVATION**

**Elizabeth Edwards**, Chemical Engineering and Applied Chemistry

**Eugene Fiume**, Computer Science

## **ORDER OF CANADA – MEMBER**

**Arnold Aberman**, Medicine

**George Beaton**, Nutritional Sciences

**Ian Clark**, School of Public Policy and Governance

**Stephen Clarkson**, Political Science

**Mary Ferguson-Paré**, Lawrence S. Bloomberg Faculty of Nursing

**Bernard Goldman**, Surgery

**Patrick Gullane**, Otolaryngology – Head and Neck Surgery

**Mary Jo Hadad**, Health Policy, Management and Evaluation

**Jeffrey Lozon**, Health Policy, Management and Evaluation

**Roderick McInnes**, Paediatrics

**Samantha Nutt**, Family and Community Medicine

**Walter Rosser**, Family and Community Medicine

**Molly Shoichet**, Chemical Engineering and Applied Chemistry

**Marvin Tile**, Surgery

**Kue Young**, Dalla Lana School of Public Health

**Bernard Zinman**, Medicine

## **ORDER OF CANADA – OFFICER**

**Linda Hutcheon**, English

**Anthony Lang**, Medicine

**James Orbinski**, Family and Community Medicine

**Henry Regier**, Zoology

**Peter Singer**, Medicine

**Mladen Vranic**, Physiology

## **ORDER OF ONTARIO – MEMBER**

**Philip Berger**, Family and Community Medicine

**Helen Chan**, Paediatrics

**Levente Diosady**, Chemical Engineering and Applied Chemistry

**Kellie Leitch**, Surgery

**Samantha Nutt**, Family and Community Medicine

**James Orbinski**, Family and Community Medicine

**Molly Shoichet**, Chemical Engineering and Applied Chemistry

**Mladen Vranic**, Physiology

## **PREMIER'S AWARD FOR EXCELLENCE IN THE ARTS, ONTARIO ARTS COUNCIL**

**Ken Gass**, University College Drama Program

## **PREMIER'S DISCOVERY AWARD FOR INDIVIDUAL RESEARCH, ONTARIO MINISTRY OF RESEARCH AND INNOVATION**

**Geoffrey Ozin**, Chemistry

**Michael Trebilcock**, Faculty of Law

## **PREMIER'S SUMMIT AWARD, ONTARIO MINISTRY OF RESEARCH AND INNOVATION**

**Benjamin Neel**, Medical Biophysics

**Janet Rossant**, Molecular Genetics

**Jeff Wrana**, Molecular Genetics

## **PROFESSIONAL PRIX DE ROME IN ARCHITECTURE, CANADA COUNCIL FOR THE ARTS**

**Mason White**, John H. Daniels Faculty of Architecture, Landscape, and Design

## **RAYMOND AND BEVERLY SACKLER PRIZE IN THE PHYSICAL SCIENCES, TEL AVIV UNIVERSITY**

**Gregory Scholes**, Chemistry

## **RICK GALLOP AWARD RECOGNIZING RESEARCH EXCELLENCE, HEART AND STROKE FOUNDATION OF ONTARIO**

**Peter Zandstra**, Institute of Biomaterials and Biomedical Engineering

## **ROYAL SOCIETY OF LONDON (UK) – FELLOW**

**Lewis Kay**, Molecular Genetics

## **ROYAL SOCIETY OF CANADA – FELLOW**

**Stewart Aitchison**, Electrical and Computer Engineering

**Cristina Amon**, Mechanical and Industrial Engineering

**Alan Brudner**, Faculty of Law

**Raymond Carlberg**, Astronomy and Astrophysics

**Jack Chambers**, Linguistics

**Michael Collins**, Civil Engineering

**Anthony Doob**, Centre for Criminology and Sociolegal Studies

**George Eleftheriades**, Electrical and Computer Engineering

**Lloyd Gerson**, Philosophy

**Thomas Keymer**, English



# AWARDS AND HONOURS

**Stephen Kudla**, Mathematics

**Anthony Lang**, Medicine

**Andres Lozano**, Surgery

**Scott Mabury**, Chemistry

**Jill Matus**, English

**Renée Miller**, Computer Science

**David Novak**, Study of Religion

**Robert Orr**, Physics

**Chul Park**, Mechanical and Industrial Engineering

**Louis Pauly**, Political Science

**Derek Penslar**, History

**Robert Reisz**, Biology, UTM

**James Retallack**, History

**Arthur Ripstein**, Faculty of Law

**John Roder**, Molecular Genetics

**Harry Ruda**, Materials Science and Engineering

**James Rutka**, Surgery

**Gregory Scholes**, Chemistry

**Frank Sicheri**, Molecular Genetics

**Lee Smolin**, Philosophy

**Philip Sohm**, Art

**Peter Stangeby**, University of Toronto Institute for  
Aerospace Studies

**James Thomson**, Ecology and Evolutionary Biology

**Germaine Warkentin**, English

**Howard Yee**, Astronomy and Astrophysics

**Min Zhuo**, Physiology

## ROYAL SOCIETY OF CANADA – MEDALS

### AWARD IN GENDER STUDIES

**Shahrazad Mojab**, Adult Education and Counselling Psychology, OISE/UT

## HENRY MARSHALL TORY MEDAL

**J. Richard Bond**, Canadian Institute for Theoretical  
Astrophysics

## J.B. TYRRELL HISTORICAL MEDAL

**Robert Bothwell**, History

## MCNEIL MEDAL

**R. J. Dwayne Miller**, Chemistry

## RUTHERFORD MEMORIAL MEDAL IN CHEMISTRY

**Andrei Yudin**, Chemistry

## RUTHERFORD MEMORIAL MEDAL IN PHYSICS

**C. Barth Netterfield**, Physics

## WILLET G. MILLER MEDAL

**R. Paul Young**, Civil Engineering

## SLOAN RESEARCH FELLOWSHIP, ALFRED P. SLOAN FOUNDATION

**Spyros Alexakis**, Mathematics

**Mark Braverman**, Mathematics

**Michael Brudno**, Computer Science

**Vy Dong**, Chemistry

**Lawrence Guth**, Mathematics

**Dvira Segal**, Chemistry

**Sabine Stanley**, Physics

**Balázs Szegedy**, Computer and Mathematical Sciences, UTSC

**Aaron Wheeler**, Chemistry

## STEACIE PRIZE FOR NATURAL SCIENCES, E.W.R. STEACIE FOUNDATION

**Aaron Hertzmann**, Computer Science

**Ray Jayawardhana**, Astronomy and Astrophysics

**Shana Kelley**, Leslie L. Dan Faculty of Pharmacy

## TRUDEAU FELLOWSHIP, TRUDEAU FOUNDATION

**Sujit Choudhry**, Faculty of Law

## TRUDEAU MENTOR, TRUDEAU FOUNDATION

**Samantha Nutt**, Family and Community Medicine

## THOMSON REUTERS HIGHLY CITED RESEARCHERS

(AS OF NOVEMBER 2011)

THE FOLLOWING RESEARCHERS ARE AMONG THE  
TOP 250 MOST HIGHLY CITED IN THEIR SUBJECT  
CATEGORIES FROM 2000-2010:

### BIOLOGY AND BIOCHEMISTRY

**David MacLennan**, Biochemistry

### CHEMISTRY

**Lewis Kay**, Molecular Genetics

**Mitchell Winnik**, Chemistry

### COMPUTER SCIENCE

**Radford Neal**, Statistics

**Subbarayan Pasupathy**, Electrical and Computer Engineering

**Charles Rackoff**, Mathematical and Computational Sciences, UTM

**Kenneth Sevcik**, Computer Science

### ECOLOGY/ENVIRONMENT

**Peter Abrams**, Ecology and Evolutionary Biology

**Wan-Ying Shiu**, Centre for Environment

### ENGINEERING

**Bruce Francis**, Electrical and Computer Engineering

**Geoffrey Hinton**, Computer Science

**Walter Wonham**, Electrical and Computer Engineering

### GEOSCIENCES

**W. Richard Peltier**, Physics

# AWARDS AND HONOURS

## MATERIALS SCIENCE

**Karl Aust**, Materials Science and Engineering

**Neil Coombs**, Chemistry

**Geoffrey Ozin**, Chemistry

## MATHEMATICS

**Nancy Reid**, Statistics

**Walter Wonham**, Electrical and Computer Engineering

## MOLECULAR BIOLOGY AND GENETICS

**Janet Rossant**, Molecular Genetics

## PHARMACOLOGY

**Philip Seeman**, Pharmacology and Toxicology

**Edward Sellers**, Pharmacology and Toxicology

## PLANT AND ANIMAL SCIENCE

**Stephen Tobe**, Cell and Systems Biology

## PSYCHOLOGY/PSYCHIATRY

**Paul Garfinkel**, Psychiatry

**Janet Polivy**, Psychology, UTM

**Endel Tulving**, Psychology

## SOCIAL SCIENCES

**Keith Stanovich**, Human Development and

Applied Psychology, OISE/UT

## SPACE SCIENCES

**J. Richard Bond**, Canadian Institute for Theoretical Astrophysics

**Raymond Carlberg**, Astronomy and Astrophysics

**Howard Yee**, Astronomy and Astrophysics

## UNIVERSITY OF TORONTO CONNAUGHT GLOBAL CHALLENGE AWARD

**Stephen Lye**, Obstetrics and Gynaecology

## UNIVERSITY OF TORONTO CONNAUGHT INNOVATION AWARD

**Ronald Baecker**, Computer Science

**Mansoor Barati**, Materials Science and Engineering

**Tom Chau**, Institute of Biomaterials and Biomedical Engineering

**Amr Helmy**, Electrical and Computer Engineering

**Peter Lehn**, Electrical and Computer Engineering

**Joyce Poon**, Electrical and Computer Engineering

**Milica Radisic**, Institute of Biomaterials and Biomedical Engineering

**Yu Sun**, Mechanical and Industrial Engineering

**Aaron Wheeler**, Chemistry

**Ning Yan**, Faculty of Forestry

## UNIVERSITY OF TORONTO CONNAUGHT SUMMER INSTITUTE AWARD

**Stewart Aitchison**, Electrical and Computer Engineering

**Natalie Rothman**, Humanities (History), UTSC

## UNIVERSITY OF TORONTO MCLEAN AWARD – SENIOR FELLOW

**Ray Jayawardhana**, Astronomy and Astrophysics

**Baochun Li**, Electrical and Computer Engineering

**Yu Sun**, Mechanical and Industrial Engineering

## VIRGINIA PARKER PRIZE, CANADA COUNCIL FOR THE ARTS

**Wallace Halladay**, Faculty of Music



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