

# BY THE NUMBERS

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





## A POWERFUL PARTNERSHIP

*The combination of U of T and the 10 partner hospitals affiliated with the university creates one of the world's largest and most innovative health research forces. More than 1,900 researchers and over 4,000 graduate students and postdoctoral fellows pursue the next vital steps in every area of health research imaginable.*



\*Composed of Toronto General, Toronto Western and Princess Margaret Hospitals

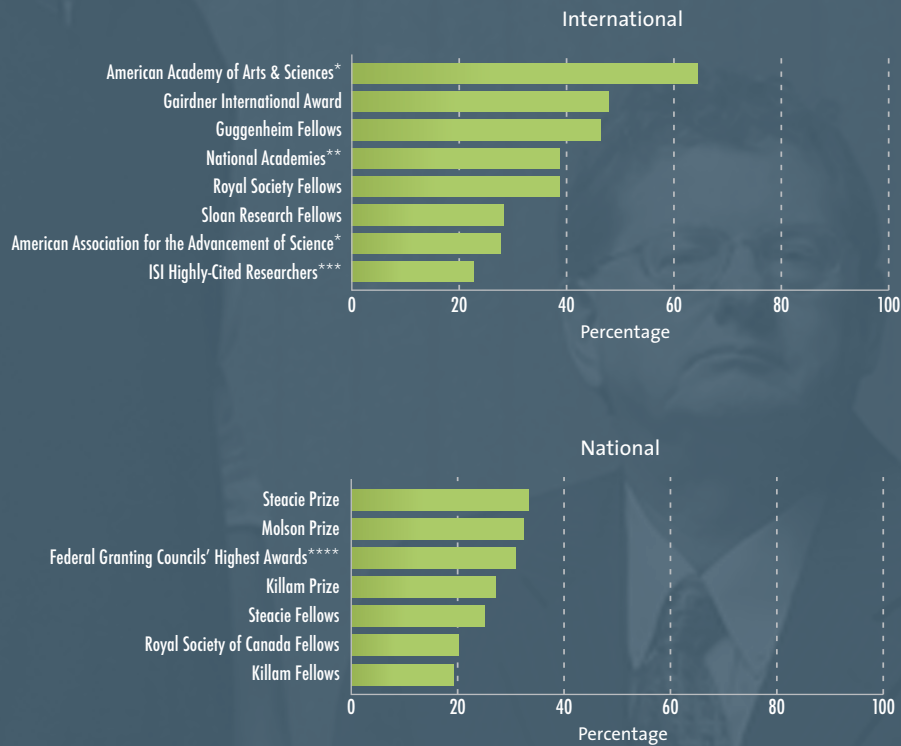
## FACULTY EXCELLENCE

# 2

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

### Faculty Honours (1980-2009)

University of Toronto compared to awards held at other Canadian universities



\* Current Foreign Honorary Members only

\*\* The National Academies consists of: Members or Foreign Associate Members of the Institute of Medicine, National Academy of Engineering and National Academy of Sciences

\*\*\* As of August 2009

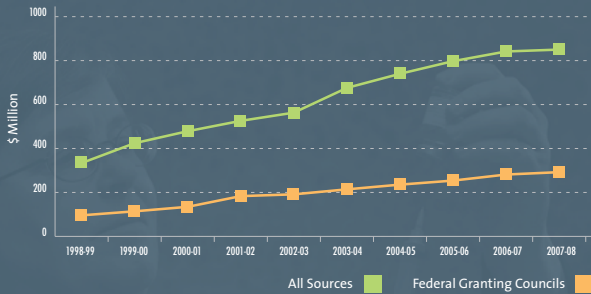
\*\*\*\* Federal Granting Councils' Highest Awards: NSERC: Gerhard Hertzberg Canada Gold Medal for Science and Engineering; CIHR: Michael Smith Prize in Health Research; SSHRC: Gold Medal for Achievement in Research

The following honours consist of data up to 2008 only: Federal Granting Councils, National Academies and Stearns Prize

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

**Research Funds Awarded** (1998-99 to 2007-08)

U of T including partner hospitals

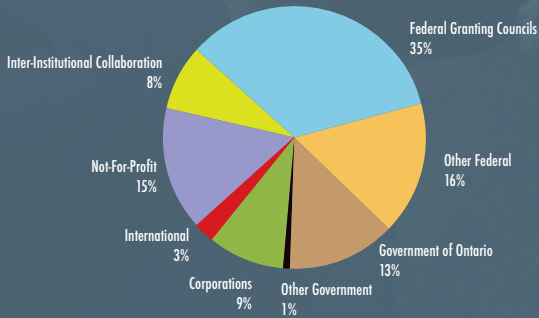


Federal Granting Councils includes funding for Canada Research Chairs (SSHRC, NSERC and CIHR)

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

**Research Funds Awarded by Sector** (2007-08)

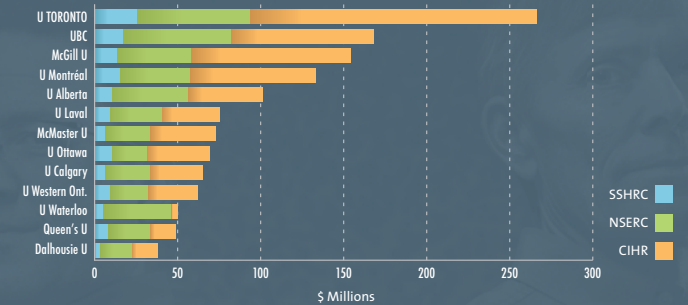
Total: \$850M



Notes: For U of T and partner hospitals  
Includes overhead and indirect costs

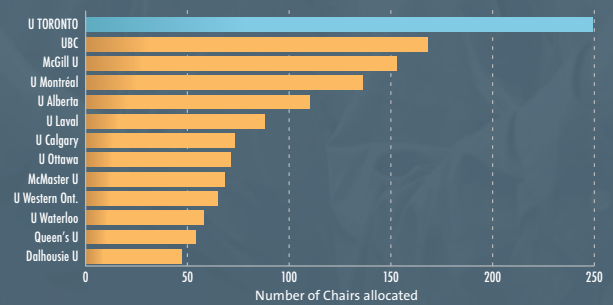
U of T consistently leads all other Canadian universities in investment from federal granting agencies.

**Federal Granting Council Funding to G13 Universities** (2008-09)



Data Sources: Federal Granting Councils  
Excludes Networks of Centres of Excellence, Canada Research Chairs, Indirect Costs and funding for the Canadian Microelectronics Corporation  
Affiliates and partner hospitals counted with each university

**Canada Research Chairs at G13 Universities** (2008-09)

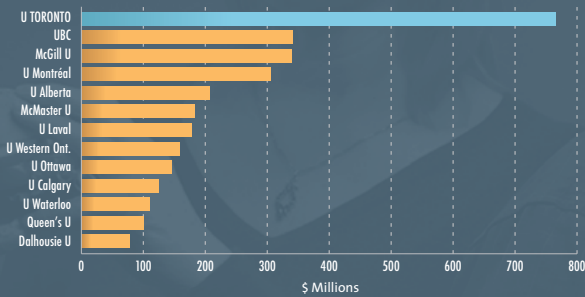


Data Source: CRC website, updated January 2009  
Affiliates and partner hospitals counted with each university

# 4 FEDERAL FUNDING

*U of T consistently leads all other Canadian universities in investment from federal granting agencies.*

## Canada Foundation for Innovation Funding to G13 Universities

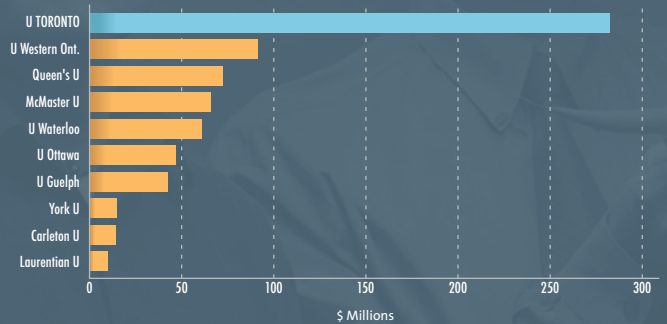


**Data Source:** CFI website, June 18, 2009 (funding since inception)  
Affiliates and partner hospitals counted with each university

# 5 PROVINCIAL FUNDING

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

## Ontario Ministry of Research and Innovation Funding Top 10 universities



Limited to main competitive programs (funding since inception)  
Limited to universities (includes partner hospitals and affiliates)

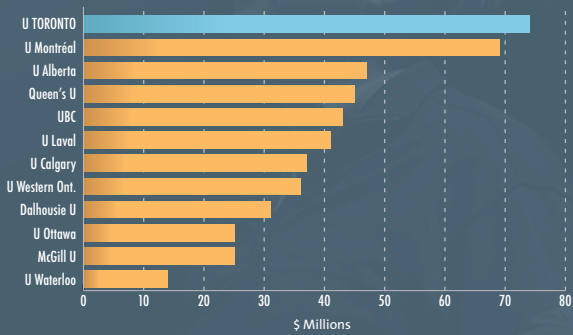
**Data Sources:**

- Research Infrastructure Award – up to November 27, 2008
- Ontario Research Fund Research Excellence Award – Rounds 1 to 3 (MRI web site September 10, 2009)
- Early Researcher Award estimated to be \$140,000 per award; Rounds 1 to 5 (MRI web site September 3, 2009)
- Post-Doctoral Fellowship Allocations – Rounds 1 to 3, valued at \$50,000 each (MRI, September 4, 2009)
- Ontario Research Chair – Round 1 (MRI web site November 23, 2008)
- Premier's Discovery Award Round 1, 2 & 3 (MRI web site September 3, 2009)
- Premier's Summit Award Round 1, 2 & 3 (MRI web site September 3, 2009)

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

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

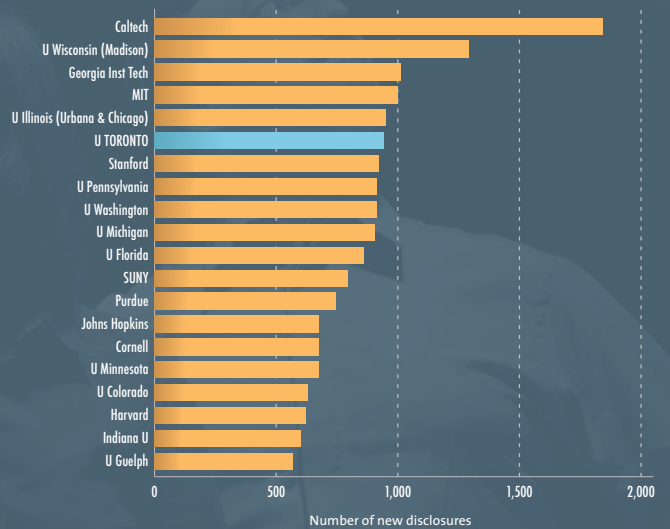
**Industry Funding to G13 Universities (2007-08)**



**Data Source:** CAUBO 2007-08  
 Toronto data corrected for one-year lag in reporting from partner hospitals  
 McMaster not shown due to comparability issues

**Invention Disclosures (2005-07)**

U.S. & Canadian universities

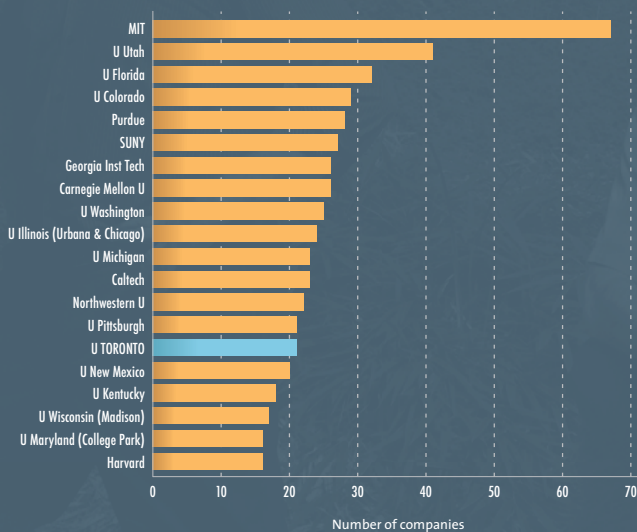


**Data Source:** AUTM Survey FY 2007, 2006 and 2005  
**Note:** University of Toronto includes the following affiliated hospitals: Bloorview Kids Rehab, Centre for Addiction and Mental Health, Hospital for Sick Children, Sunnybrook Health Sciences Centre and University Health Network  
 University of California, only available as a system aggregate, is not shown

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

### New Spin-off Companies (2005-07)

U.S. & Canadian universities



Data Source: AUTM Survey FY 2007, 2006 and 2005

Note: University of Toronto includes the following affiliated hospitals: Bloorview Kids Rehab, Centre for Addiction and Mental Health, Hospital for Sick Children, Sunnybrook Health Sciences Centre and University Health Network  
University of California, only available as a system aggregate, is not shown

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

### Rankings on Publications and Citations (2004-08)

	G13 (Canada)		AAU <sup>1</sup> Public		AAU <sup>1</sup> All	
	Publications	Citations	Publications	Citations	Publications	Citations
All Fields*	1	1	1	3	2	6
All Sciences*	1	1	1	3	2	6
Health & Life Sciences*	1	1	1	1	2	3
Paediatrics	1	1	1	1	2	2
Paediatrics & Pharmacy	1	1	1	1	2	2
Oncology	1	1	1	1	2	3
Genetics & Heredity	1	1	1	2	2	6
Engineering & Materials Science**	1	1	6	8	7	12
Environmental Engineering	1	1	2	1	2	1
Biomedical Engineering	1	1	1	2	2	5
Physics, Atomic, Molecular & Chemical	1	1	3	4	7	8
Optics	1	1	3	4	8	10
Physical Chemistry	1	1	4	8	6	11
Social Sciences**	1	1	3	5	4	8
Behavioural Sciences	1	1	1	2	2	5
Criminology & Penology	1	1	2	4	2	4

Data Source: Thomson Reuters, University Science Indicators (U.S. and Canada), Deluxe Edition, 2008, unless otherwise indicated by \*(Standard and Deluxe Editions, U of T groupings) or \*\*(Standard Edition)  
<sup>1</sup> Association of American Universities supplemented with the Canadian G13 institutions and the University of California at San Francisco. Data not available for Texas A&M College Station

### World University Rankings

In the 2009 Times Higher Education-QS World University Rankings, U of T was ranked by academic peers globally as one of the leading institutions in all fields:

- 8<sup>th</sup> in the world in Engineering and Information Technology
- 11<sup>th</sup> in the world in Life Sciences and Biomedicine
- 11<sup>th</sup> in the world in Arts and Humanities
- 14<sup>th</sup> in the world in Natural Sciences
- 15<sup>th</sup> in the world in Social Sciences



# AWARDS AND HONOURS

## Selected Awards and Honours in the past three years.

**Aurora Prize, Social Sciences and Humanities Research Council**  
Anthony Ginoer, French

**Bower Award for Achievement in Science, Franklin Institute**  
W. Richard Peltier, Physics

**Brockhouse Canada Prize, Natural Sciences and Engineering Research Council of Canada**  
Javad Mostaghimi, Mechanical & Industrial Engineering

**Canada's Top 40 Under 40, Caldwell Partners**

**Tom Chau**, Institute of Biomaterials & Biomedical Engineering  
**Brandon Frey**, Electrical & Computer Engineering  
**Ray Jayawardhana**, Astronomy & Astrophysics  
**Shana O. Kelley**, Leslie Dan Faculty of Pharmacy  
**Mihnea (Michael) Moldoveanu**, Rotman School of Management  
**Vivek Rao**, Surgery  
**Paul Salvini**, Civil Engineering  
**Reza Satchu**, Economics  
**Aaron Schimmer**, Medicine  
**Michael Taylor**, Surgery  
**Peter Zandstra**, Institute of Biomaterials & Biomedical Engineering

**Michael Smith Prize in Health Research, Canadian Institutes of Health Research**  
Peter Singer, Medicine

**Dan David Prize, Dan David Foundation**  
**Atom Egoyan**, Dean's Distinguished Visitor in Theatre, Film, Music & Visual Studies

**E.W.R. Steacie Fellowship, Natural Sciences and Engineering Research Council of Canada**

**Brendan Frey**, Electrical & Computer Engineering  
**Ray Jayawardhana**, Astronomy & Astrophysics  
**Eckhard Meinrenken**, Mathematics  
**C. Barth Netterfield**, Astronomy & Astrophysics, Physics

**Locke Rowe**, Ecology & Evolutionary Biology  
**Gregory Scholes**, Chemistry  
**Aephraim Steinberg**, Physics

**Fellow, American Association for the Advancement of Science**

**D. Grant Allen**, Chemical Engineering & Applied Chemistry  
**William Cuett**, Chemical Engineering & Applied Chemistry  
**James Donaldson**, Physical & Environmental Studies, UTSC  
**Brendan Frey**, Electrical & Computer Engineering  
**Bryan W. Karney**, Civil Engineering  
**Susan McCahan**, Mechanical & Industrial Engineering  
**Javad Mostaghimi**, Mechanical & Industrial Engineering  
**Laura Ann Petito**, Psychology, UTSC  
**M. Jane Phillips**, Chemical Engineering & Applied Chemistry  
**Robert Reisz**, Biology, UTM  
**Keren Rice**, Linguistics  
**Edward Sargent**, Electrical & Computer Engineering  
**Donald Stuss**, Medicine  
**Christopher Yip**, Chemical Engineering & Applied Chemistry  
**Peter Zandstra**, Institute of Biomaterials & Biomedical Engineering  
**Jean Zu**, Mechanical & Industrial Engineering

**Fellow, Canadian Academy of Engineering**

**Barry Adams**, Civil Engineering  
**Cristina Amon**, Mechanical & Industrial Engineering  
**Will Bowden**, Civil Engineering  
**Michael Collins**, Civil Engineering  
**Levente Diosady**, Chemical Engineering & Applied Chemistry  
**Masahiro Kawaji**, Chemical Engineering & Applied Chemistry  
**Alexander McLean**, Materials Science & Engineering  
**Javad Mostaghimi**, Mechanical & Industrial Engineering  
**Chul Park**, Mechanical & Industrial Engineering  
**Doug D. Perovic**, Materials Science & Engineering  
**Douglas Reeve**, Chemical Engineering & Applied Chemistry  
**Jonathan Rose**, Electrical & Computer Engineering

**James Smith**, Chemical Engineering & Applied Chemistry  
**Bill Vanderburg**, Civil Engineering

**Fellow, Canadian Academy of Health Sciences**

**John R.G. Challis**, Physiology  
**Abdallah Daar**, Dalla Lana School of Public Health  
**John Evans**, Medicine (Distinguished Fellow)  
**Geoffrey R. Farnie**, Surgery  
**Avrum I. Gotlib**, Laboratory Medicine & Pathobiology  
**Alejandro R. Jadad**, Anaesthesia  
**Wendy Levinson**, Medicine  
**David Locker**, Dentistry  
**Christopher McCulloch**, Dentistry  
**Roderick R. McInnes**, Paediatrics  
**Sioban Nelson**, Lawrence S. Bloomberg Faculty of Nursing  
**Helene Palatajko**, Occupational Health & Occupational Therapy  
**Peter Singer**, Medicine  
**Arthur S. Slutsky**, Medicine  
**George Steiner**, Medicine  
**Mladen Vranic**, Medicine, Physiology  
**Paul Walfish**, Medicine  
**Kue Young**, Dalla Lana School of Public Health

**Fellow, Royal Society (UK)**

**Fergus I.M. Craik**, Psychology

**Fellow, Royal Society of Canada**

**Peter Backx**, Physiology  
**Ronald Beiner**, Political Science, UTM  
**Alan Bewell**, English  
**James Robert Brown**, Philosophy  
**Robert Brym**, Sociology  
**Raymond G. Carlberg**, Astronomy & Astrophysics  
**J.K. Chambers**, Linguistics  
**Mark A. Cheetham**, Art  
**Jing Chen**, Geography  
**Gary Crawford**, Anthropology, UTM  
**Joseph G. Culotti**, Molecular Genetics  
**Abdallah Daar**, Dalla Lana School of Public Health  
**Eleftherios P. Diamandis**, Laboratory Medicine & Pathobiology  
**Anthony Doob**, Criminology  
**George Eleftheriades**, Electrical & Computer Engineering  
**Marley Gunderson**, Economics  
**Lisa Jeffrey**, Computer & Mathematical Sciences, UTSC

**Lewis E. Kay**, Molecular Genetics, Biochemistry, Chemistry  
**Eugenia Kumacheva**, Chemistry

**Ian Lancashire**, English  
**Kenneth Leithwood**, OISE/UT  
**Hector Lozesque**, Computer Science  
**Andres Lozano**, Surgery  
**Andreas Mandelis**, Mechanical & Industrial Engineering  
**Peter Martin**, Canadian Institute for Theoretical Astrophysics  
**Eckhard Meinrenken**, Mathematics  
**Neil Nevitte**, Political Science  
**Alberto O. Mendelzon**, Computer & Mathematical Sciences, UTSC  
**John Mylopoulos**, Computer Science  
**Neil Nevitte**, Political Science  
**Pamela S. Ohashi**, Medical Biophysics, Immunology

**Robert Orr**, Physics  
**Terence W. Picton**, Medicine  
**Janet Polivy**, Psychology, UTM  
**Robert Reisz**, Biology, UTM  
**Stephen Scherer**, Molecular Genetics  
**Gregory Scholes**, Chemistry  
**Theodore Shepherd**, Physics  
**Sara Shettleworth**, Psychology  
**Molly Shoichet**, Chemical Engineering & Applied Chemistry

**Peter Singer**, Medicine  
**Philip Sohm**, Art  
**Demetri Terzopoulos**, Computer Science  
**William Trimble**, Biochemistry  
**Mariana Valverde**, Criminology  
**Germaine Warkentin**, English  
**Barry Wellman**, Sociology  
**Jeff Wrano**, Molecular Genetics  
**R. Paul Young**, Civil Engineering  
**Min Zhuo**, Psychology

**Royal Society of Canada, Medals**

**Bancroft Award**  
**David J. Dunlop**, Physics

**Henry Marshall Tory Medal**  
**J. Richard Bond**, Canadian Institute for Theoretical Astrophysics

**Jason A. Hannah Medal**  
**J. Michael Bliss**, History

**John L. Synge Award**  
**Stephen A. Cook**, Computer Science

**Lorne Pierre Medal**  
**Rosemary Sullivan**, English

**McLaughlin Medal**  
**John R.G. Challis**, Physiology  
**Michael Tyers**, Molecular Genetics

**Miroslaw Romanowski Medal**  
**W. Richard Peltier**, Physics

**Rutherford Memorial Medal in Chemistry**  
**Molly Shoichet**, Chemical Engineering & Applied Chemistry  
**Gregory Scholes**, Chemistry

**Rutherford Memorial Medal in Physics**  
**C. Barth Netterfield**, Astronomy & Astrophysics, Physics  
**Aephraim Steinberg**, Physics

**Thomas W. Eadie Medal**  
**Alberto Leon-Garcia**, Electrical & Computer Engineering

**Willet G. Miller Medal**  
**R. Paul Young**, Civil Engineering

**Foreign Associate Member, National Academies – Institute of Medicine**  
**Peter Singer**, Medicine  
**Peter St George-Hyslop**, Medicine

**Foreign Associate Member, National Academies – National Academy of Sciences**  
**Janet Rossant**, Molecular Genetics

**Foreign Honorary Member, American Academy of Arts and Sciences**  
**Spencer C.H. Barrett**, Ecology & Evolutionary Biology  
**John H. Dirks**, Medicine  
**Ernest J. Weinrib**, Law

**Founders Award, Society for Biomaterials**  
**Michael Sefton**, Chemical Engineering & Applied Chemistry, Institute of Biomaterials & Biomedical Engineering

**Francis Bacon Prize in the History and Philosophy of Science and Technology, California Institute of Technology – Francis Bacon Foundation**  
**Alexander Jones**, Classics

**Gairdner Foundation Wightman Award, Gairdner Foundation**  
**Alan Bernstein**, Molecular Genetics

**Gerhard Herzberg Gold Medal for Science and Engineering, Natural Sciences and Engineering Research Council of Canada**

**J. Richard Bond**, Canadian Institute for Theoretical Astrophysics  
**John Polanyi**, Chemistry

**Governor General's Awards in Visual and Media Arts, Canada Council for the Arts**  
**Tanya Mars**, Humanities, UTSC

**Guggenheim Fellowship, John Simon Guggenheim Memorial Foundation**

**Michael Goldstein**, Computer & Mathematical Sciences, UTSC  
**Allan Greer**, History  
**Thomas Hurka**, Philosophy  
**Thyris Mitrova**, Physics  
**Demetri Terzopoulos**, Computer Science  
**Peter Zandstra**, Institute of Biomaterials & Biomedical Engineering

**Heinz Lehmann Award, Canadian College of Neuropsychopharmacology**  
**Trevor Young**, Psychiatry

**Holberg International Memorial Prize, Ludvig Holberg Memorial Fund**  
**Ian M. Hacking**, Philosophy

**Humboldt Research Awards, Alexander von Humboldt Foundation**

**J. Richard Bond**, Canadian Institute for Theoretical Astrophysics  
**Lev Kolman**, Canadian Institute for Theoretical Astrophysics  
**Mark Lautens**, Chemistry  
**Robert Reisz**, Biology, UTM  
**John Sipe**, Physics

**International Order of Smile**  
**James Rutka**, Surgery

**Investigator Award, King Abdullah University of Science and Technology**  
**Edward Sargent**, Electrical & Computer Engineering

**John H. Chapman Award of Excellence, Canadian Space Agency**  
**Peter Hughes**, University of Toronto Institute for Aerospace Studies





## AWARDS AND HONOURS

### **Jonas Salk Award, Ontario March of Dimes**

Robert D. Inman, *Medicine, Immunology*  
Andres Lozano, *Surgery*

### **José Vasconcelos Award of Education, World Cultural Council**

Marlene Scardamalia, *OISE/UT*

### **Killam Prize, Canada Council for the Arts**

J. Richard Bond, *Canadian Institute for Theoretical Astrophysics*  
Michael Sefton, *Chemical Engineering & Applied Chemistry, Institute of Biomaterials & Biomedical Engineering*  
Peter St George-Hyslop, *Medicine*  
Ernest J. Weinrib, *Law*

### **Killam Research Fellowship, Canada Council for the Arts**

Virginia Brown, *Medieval Studies*  
Elizabeth Edwards, *Chemical Engineering & Applied Chemistry*  
Ian Lancashire, *English*  
Lynne Magnusson, *English*  
Molly Shoichet, *Chemical Engineering & Applied Chemistry*  
Douglas W. Stephan, *Chemistry*

### **Konrad Adenauer Research Award, Alexander von Humboldt Foundation**

Jennifer Whiting, *Philosophy*

### **Kyoto Prize, Inamori Foundation**

Anthony J. Pawson, *Molecular Genetics*

### **Laureate, Canadian Medical Hall of Fame**

Tak Mak, *Medical Biophysics*  
M. Vera Peters, *Medicine*  
Charles Tator, *Surgery*  
Endel Tulving, *Psychology, Rotman Research Institute*  
Mladen Vranic, *Medicine, Physiology*

### **L'Oréal-UNESCO Awards for Women in Science, L'Oréal-UNESCO**

Eugenia Kumacheva, *Chemistry*

### **Manning Award of Distinction, Ernest C. Manning Awards Foundation**

Stuart Foster, *Medical Biophysics*

### **March of Dimes Prize in Developmental Biology, March of Dimes Foundation**

Janet Rossant, *Molecular Genetics*

### **Maud Menten New Principal Investigator Prize, CIHR**

Daniel Durocher, *Molecular Genetics*

### **Member, Canadian Science and Engineering Hall of Fame**

Louis Siminovitch, *Molecular Genetics*

### **Member, National Academies – National Academy of Engineering**

Cristina Amon, *Mechanical & Industrial Engineering*

### **Molson Prize, Canada Council for the Arts**

L. Wayne Sumner, *Philosophy*

### **Order of Canada**

Michael Baker, *Medicine*  
George H. Beaton, *Nutritional Science*  
Raymond Breton, *Sociology*  
Ian D. Clark, *Public Policy & Governance*  
Bernard Dickens, *Law*  
John H. Dirks, *Medicine*  
George Elliott Clarke, *English*  
J. Barry French, *University of Toronto Institute for Aerospace Studies*  
Paul Garfinkel, *Psychiatry*  
Bernard S. Goldman, *Surgery*  
Patrick Gullane, *Otolaryngology*  
Doreen Hall, *Music*  
Norman Levine, *Dentistry*  
Jeffrey Lozon, *Health Policy, Management & Evaluation*  
Michael R. Marrus, *History*  
Roderick R. McInnes, *Paediatrics*  
Donald E. Meeks, *The Factor-Inwentash Faculty of Social Work*  
Timothy M. Murray, *Medicine*  
David Naylor, *Medicine*  
Dorothy Pringle, *Lawrence S. Bloomberg Faculty of Nursing*  
Henry A. Regier, *Ecology & Evolutionary Biology*  
Mary Seeman, *Psychiatry*  
Dennis Smith, *Dentistry*  
John S. Speakman, *Ophthalmology & Vision Sciences*  
Janice Gross Stein, *Political Science*  
Marvin Tile, *Surgery*

Endel Tulving, *Psychology, Rotman Research Institute*  
E. Douglas Wigle, *Medicine*  
David Young, *Music*  
George Zarb, *Dentistry*  
Stanley Zlotkin, *Paediatrics*

### **Order of Ontario**

Michael Baker, *Medicine*  
J. Richard Bond, *Canadian Institute for Theoretical Astrophysics*  
Brenda L. Gallie, *Ophthalmology & Vision Sciences*  
David H. McLennan, *Banting & Best Department of Medical Research*  
Tak Mak, *Medical Biophysics*  
Ernest A. McCulloch, *Medical Biophysics*  
Lily McGregor, *First Nations House/UT*  
Roderick R. McInnes, *Paediatrics*  
Frances A. Shepherd, *Medicine, Division of Medical Oncology*  
Janice Gross Stein, *Political Science*  
Ronald W. Taylor, *Medicine*  
James Till, *Medical Biophysics*  
Paul G. Walfish, *Medicine*

### **Peter Gruber Cosmology Prize, Gruber Foundation**

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

### **Premier's Catalyst Award, Ministry of Research and Innovation**

Parham Aarabi, *Electrical & Computer Engineering*

### **Premier's Discovery Award for Individual Research, Ministry of Research and Innovation**

Spencer C.H. Barrett, *Ecology & Evolutionary Biology*  
Stuart Foster, *Medical Biophysics*  
Lewis E. Kay, *Molecular Genetics, Biochemistry, Chemistry*  
Andreas Mandelis, *Mechanical & Industrial Engineering*

### **Premier's Summit Award, Ministry of Research and Innovation**

John E. Dick, *Molecular Genetics*  
Tak Mak, *Medical Biophysics*  
Benjamin G. Neel, *Medical Biophysics*  
Anthony J. Pawson, *Molecular Genetics*  
Stephen Scherer, *Molecular Genetics*  
Frances A. Shepherd, *Medicine, Division of Medical Oncology*  
Peter St George-Hyslop, *Medicine*

**Prix Galien Canada Research Award,  
Prix Galien**

Daniel Drucker, Medicine

**Professional Prix de Rome in  
Architecture, Canada Council for  
the Arts**

Pierre Belanger, John H. Daniels Faculty of  
Architecture, Landscape & Design

**Rick Gallop Award Recognizing  
Research Excellence, Heart and  
Stroke Foundation of Ontario**

Duminda N. Wijeyesundera, Anesthesia

**Ronald J. Thom Award for  
Early Design, Canada Council for  
the Arts**

Shane Williamson, John H. Daniels Faculty of  
Architecture, Landscape & Design

**Senior Fellow, McLean Award**

James Colliander, Mathematics  
Baochun Li, Electrical & Computer Engineering  
Aephrain Steinberg, Physics  
Yu Sun, Mechanical & Industrial Engineering  
Peter Zandstra, Institute of Biomaterials & Biomedical  
Engineering

**Sloan Research Fellowship,  
Alfred P. Sloan Foundation**

Ravin Balakrishnan, Computer Science  
Valentin Blomer, Mathematical & Computational  
Sciences, UTM  
Vy Maria Dong, Chemistry  
Aaron Hertzmann, Computer Science  
Arun Paramakanti, Physics  
Aaron Wheeler, Chemistry  
Stephen Wright, Ecology & Evolutionary Biology  
Deborah Zamble, Chemistry

**SSHRC Gold Medal for Achievement  
in Research, Social Sciences and  
Humanities Research Council**

Ian M. Hacking, Philosophy

**Stecie Prize for Natural Sciences,  
E.W.R. Steacie Foundation**

Ray Jayawardhana, Astronomy & Astrophysics

**Synergy Award for Innovation,  
Natural Sciences and Engineering  
Research Council of Canada**

Elizabeth Edwards, Chemical Engineering & Applied  
Chemistry

Luis Seco, Mathematics

**Top 35 Under 35, MIT Technology  
Review**

Milica Radisic, Chemical Engineering & Applied Chemistry

**Trudeau Foundation Fellowship,  
Trudeau Foundation**

Rosemary Sullivan, English

**Trudeau Mentor, Trudeau Foundation**

Ursula M. Franklin, Metallurgy & Materials Science

**ISI Highly-Cited Researchers  
(As of March 2009)**

The following researchers are among the top  
250 most highly cited in each of 21 subject  
categories over the last 25 years as indexed  
by Thomson ISI.

**Biology and Biochemistry**

Sergio Grinstein, Biochemistry  
David H. MacLennan, Banting & Best Department of  
Medical Research

**Chemistry**

Lewis E. Kay, Molecular Genetics, Biochemistry,  
Chemistry  
Mitchell A. Winnik, Chemistry

**Computer Science**

Radford M. Neal, Statistics, Computer Science  
Subbarayan Pasupathy, Electrical & Computer  
Engineering  
Charles Rackoff, Mathematical & Computational  
Sciences, UTM  
Kenneth C. Sevcik, Computer Science

**Ecology/Environment**

Peter A. Abrams, Ecology & Evolutionary Biology  
Wan-Ying Shiu, Centre for Environment

**Engineering**

Bruce Allen Francis, Electrical & Computer  
Engineering  
Geoffrey E. Hinton, Computer Science

**Geosciences**

W. Richard Peltier, Physics

**Immunology, Molecular Biology and Genetics**

Tak Mak, Medical Biophysics

**Materials Science**

Karl T. Aust, Materials Science & Engineering  
Neil Coombs, Chemistry (Nano Imaging Facility  
Supervisor)  
Geoffrey A. Ozin, Chemistry

**Mathematics**

Nancy Reid, Statistics

**Mathematics and Engineering**

W.M. Wonham, Electrical & Computer Engineering

**Medical Biophysics and Immunology**

Pamela S. Ohashi, Medical Biophysics, Immunology

**Molecular Biology and Genetics**

Anthony J. Pawson, Molecular Genetics  
Johanna M. Rommens, Molecular Genetics  
Janet Rossant, Molecular Genetics  
Jeffrey L. Wrana, Molecular Genetics

**Pharmacology**

Werner Kalow, Pharmacology  
Philip Seeman, Pharmacology  
Edward M. Sellers, Pharmacology

**Plant and Animal Science**

Stephen S. Tobe, Cell & Systems Biology

**Psychology/Psychiatry**

Paul E. Garfinkel, Psychiatry  
Janet Polivy, Psychology, UTM  
Endel Tulving, Psychology, Rotman Research Institute

**Social Sciences**

Keith E. Stanovich, Human Development & Applied  
Psychology, OISE/UT

**Space Sciences**

J. Richard Bond, Canadian Institute for Theoretical  
Astrophysics  
Raymond G. Carlberg, Astronomy & Astrophysics  
Howard K.C. Yee, Astronomy & Astrophysics



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