

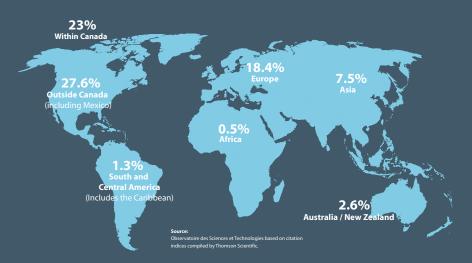
BY THE NUMBERS

Global Reach

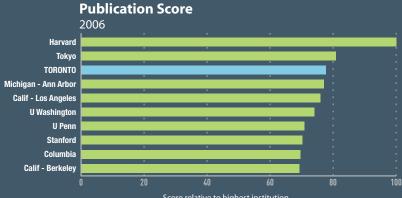
43% of U of T research involves collaboration with researchers outside of Canada – a number that has increased steadily and has kept well ahead of other Canadian universities.

Global Reach of Research

Proportion of Research Paper Co-Authorship by Continent, University of Toronto and Partner Hospitals



Productivity U of T researchers publish more than all but two other universities in the world.

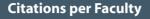


Source: Academic Rankings of World Universities 2007, Institute of Higher Education, Shanghai Jiao Tong University

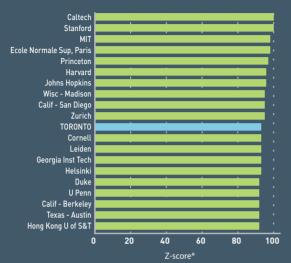
Score relative to highest institution

Impact

Our researchers are among the most highly-cited in the world.







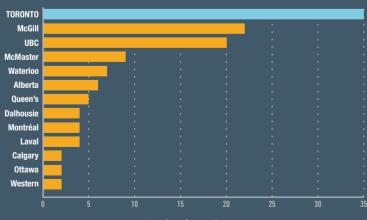
Source:

World University Rankings, Times Higher Education Supplement, November 9, 2007

*A standardized score used to measure citations

U of T has the highest number of ISI Highly-Cited Researchers in Canada – one of the best indicators of research influence.

ISI Highly-Cited Researchers Distribution Among Canadian G13 Universities



Source: http://isihighlycited.com May 2007

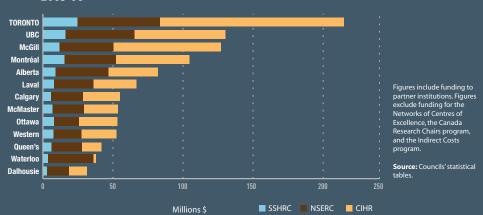
Number of researchers

Federal Funding

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

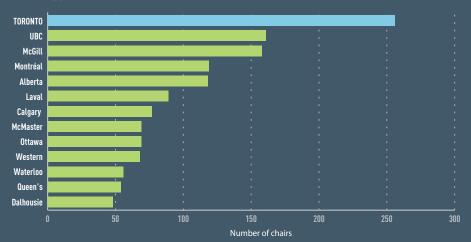
Federal Research Council Payments Canadian G13 Universities

2005-06



Canada Research Chairs Allocations Canadian G13 Universities

2007

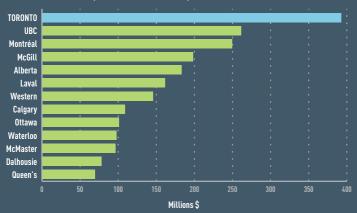


Source: CRC Program website www.chairs.gc.ca, September 2007

Federal Funding

Canada Foundation for Innovation Canadian G13 Universities

From Inception (1998) to September 2007



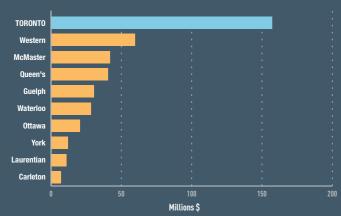
Source: CFI website September 2007 national projects excluded; partners counted with each university

Provincial Funding

U of T, with its partner hospitals, leads all Ontario universities in funding from the Ministry of Research and Innovation.

Ontario Ministry of Research and Innovation Main Competitive Programs Since Inception

Top Ten Universities (with affiliates)



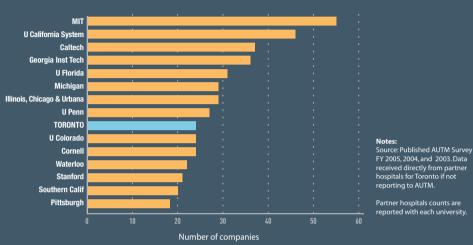
Main competitive programs results as per MRI January 10, 2008: Early Researcher Award, Ontario Research Fund (Research Excellence Award and Research Infrastructure Award), Premier's Discovery Award, Premier's Summit Award, Postdoctoral Fellowship Award, Ontario Research Chair.

Innovation

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





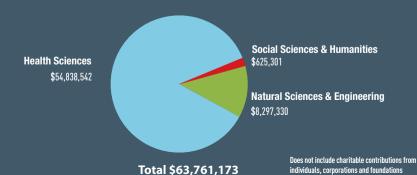


Industry Partners

Our partners in industry invest in research across all disciplines.

Research Sponsorship by Industry

U of T and Partner Hospitals (2005-06)



Hospital Partners

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 1,600 researchers and 3,000 graduate students and post-doctoral fellows pursue the next vital steps in every area of health research imaginable. This community of scholars enables our students to learn from, and collaborate with, world-renowned leaders and experts. And the global community benefits from a stunning array of new developments, findings and inventions.



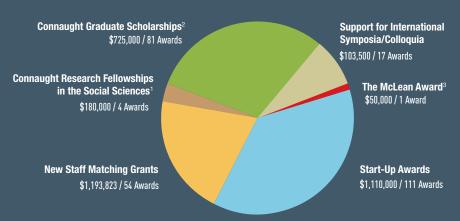
Connaught Fund Investment

The Connaught Fund originated from the sale of U of T's Connaught Laboratories in 1972 for approximately \$29 million. Since then, the University has grown the fund to become the largest of its kind in Canada. Using Connaught funds, we have invested more than \$100 million in U of T scholars and their research through a variety of programs:

- Connaught Graduate Scholarships support top international students
- The Start-Up grant program helps defray the cost of initiating research for new tenure-stream or tenured faculty
- The New Staff Matching program assists junior scholars with grants of up to \$30,000
- The International Symposia/Colloquia program aims to advance knowledge in matters of public interest and raise U of T's international profile
- Research Fellowships enable scholars to work full-time on their research
- Each year, \$50,000 is matched to create the \$100,000 McLean Award. It provides
 one faculty member in the basic physical sciences or engineering with the means to
 attract and support graduate students and post-doctoral fellows

The Connaught Committee also oversees the Mary Gertrude l'Anson Fund, which is dedicated to research in the medical sciences. It is currently valued at \$3.2 million.

Connaught Fund Direct Contributions to Research 2006-07



Total \$3,362,323

- In addition to the Social Science Fellowships, four Chancellor Jackman Fellowships in the Humanities were supported by a combination of the Jackman and Connaught Funds.
- 2. The 81 Scholarships comprise 26 new and 55 continuing awards.
- \$50,000 matching funding is contributed from the McLean Endowment to enable an award of \$100,000.

Faculty Honours

Selected Honours and Awards in the past five years

INTERNATIONAL AWARDS AND HONOURS

AMERICAN ACADEMY OF ARTS AND SCIENCES

Foreign Honorary Members Recognizes outstanding intellectual achievement, leadership and creativity in all fields.

2005

Richard Borshay Lee, Anthropology Tak Mak, Medical Biophysics Janice Gross Stein, Political Science

2004

Anthony J. Pawson, Molecular Genetics

2003

James G. Arthur, Mathematics
J. Richard Bond, Canadian Institute for
Theoretical Astrophysics

Geoffrey E. Hinton, Computer Science **Linda Hutcheon,** Centre for Comparative Literature

Janet Rossant, Molecular Genetics

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS)

Fellows are recognized by their peers for efforts to advance science.

Cristina Amon, Faculty of Applied Science and Engineering

Harold Atwood, Physiology

James Donaldson, Physical and Environmental

Sciences, UTSC

Donald A. S. Fraser, Statistics Barbara Lee Keyfitz, Mathematics

Ronald H. Kluger, Chemistry

Linda Kohn, Botany, UTM
Ping Lee Pharmacy

Ping Lee, Pharmacy
Howard D. Lipshitz, Molecular Genetics
Albert E. Litherland. Physics

Susan McCahan, Mechanical and Industrial Engineering

Morris Moscovitch, Psychology K. Sandy Pang, Pharmacy John R. Percy, Astronomy, UTM

Nancy M. Reid, Statistics Robert Reisz, Biology, UTM Keren Rice. Linguistics

Janet Rossant, Molecular Genetics John W. Sender, Mechanical and Industrial

Engineering
Sara L. Shettleworth, Psychology
Donald Stuss, Medicine

Thomas T. Tidwell, Chemistry, UTSC
Peter Zandstra, Institute of Biomaterials and
Biomedical Engineering

Jean Zu, Mechanical and Industrial Engineering

THE GAIRDNER FOUNDATION

Gairdner International Award Recognizes medical research scientists for outstanding discoveries or contributions.

2005

Endel Tulving, Psychology

JOHN SIMON GUGGENHEIM MEMORIAL FOUNDATION

Provides fellowships across the disciplines for advanced professionals who have demonstrated exceptional accomplishment.

2007

Michael Goldstein, Computer and Mathematical Sciences, UTSC

Jerry Mitrovica, Physics

Peter Zandstra, Institute of Biomaterials and Biomedical Engineering

2006

Thomas Hurka, Philosophy

2005

Alexander R. Jones, Institute for the History and Philosophy of Science and Technology

2004

David Zingg, Aerospace Studies

2003 Lynne Viola, History

ISI HIGHLY-CITED RESEARCHERS

The ISI rankings represent 250 of the most highly-cited researchers over the last 20 years in the articles indexed by the Institute for Scientific Information (ISI) in 21 categories.

Biology and Biochemistry

Sergio Grinstein, Biochemistry

David H. MacLennan, Banting and Best

Department of Medical Research

Chemistry

Lewis Edward Kay, Molecular Genetics **Mitchell A. Winnik,** Chemistry

Computer Science

Radford M. Neal, Statistics and Computer Science

Subbarayan Pasupathy, Electrical and Computer Engineering

Charles Rackoff, Mathematical and Computational Sciences, UTM

Kenneth C. Sevcik, Computer Science

Ecology/Environment

Peter A. Abrams, Ecology and Evolutionary

Wan-Ying Shiu, Centre for Environment

Engineering

Bruce Allen Francis, Electrical and Computer Engineering

Geosciences

W. Richard Peltier, Physics

Immunology

Pamela Ohashi. Immunology

Immunology, Molecular Biology and Genetics

Tak Mak, Medical Biophysics

Materials Science
Karl T. Aust, Materials Science and Engineering
Neil Coombs, Chemistry
Geoffrey A. Ozin, Chemistry

Mathematics Nancy Reid, Statistics

Mathematics and Engineering W. M. Wonham, Electrical and Computer Engineering

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 and Systems Biology

Psychology/Psychiatry R. Michael Bagby, Psychiatry Paul E. Garfinkel, Psychiatry Janet Polivy, Psychology, UTM Endel Tulving, Psychology

Social Sciences

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

Space Sciences

J. Richard Bond, Canadian Institute for Theoretical Astrophysics

Raymond G. Carlberg, Astronomy and Astrophysics

Howard K.C. Yee, Astronomy and Astrophysics

LASKER FOUNDATION

Albert Lasker Award For Basic Medical Research 2005

Ernest McCulloch and James Till, Medical Biophysics

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

World's Top 35 Innovators Under the Age of 35

2005

Parham Aarabi, Electrical and Computer Engineering

Aaron Hertzmann, Computer Science

MIT TECHNOLOGY REVIEW

Top 100 Young Innovators

2003

Edward E. Sargent, Electrical and Computer Engineering

THE NATIONAL ACADEMIES (U.S.)

Foreign Associate Members, unless otherwise indicated Membership in the Academies (or for those outside of the U.S., Foreign Associateship) is one of the highest honours accorded to a scientist or engineer, recognizing distinguished and continuing achievement in research.

Institute of Medicine

Peter St George-Hyslop, Centre for Research in Neurodegenerative Diseases

2005 David Naylor, Medicine

National Academy of Engineering 2006

Cristina Amon (member), Faculty of Applied Science and Engineering

2005

W. M. Wonham, Electrical and Computer Engineering National Academy of Sciences

National Academy of Sciences 2004

Robert J. Birgeneau, Physics Anthony J. Pawson, Molecular Genetics Lap-Chee Tsui, Molecular Genetics

2002

Tak Mak, Medical Biophysics

THE ROYAL SOCIETY

Fellowship in the Royal Society is awarded to scientists who have made a distinguished achievement in their fields.

2004

Spencer Barrett, Ecology and Evolutionary Biology

Peter St George-Hyslop, Centre for Research in Neurodegenerative Diseases

2001

Robert J. Birgeneau, Physics J. Richard Bond, Canadian Institute for Theoretical Astrophysics

2000

Janet Rossant, Molecular Genetics
James Till, Medical Biophysics

1999

Ernest McCulloch, Medical Biophysics

THE ROYAL SOCIETY OF LITERATURE

2003

Margaret MacMillan, History

ALFRED P. SLOAN FOUNDATION

Sloan Research Fellowship
These U.S.-based awards enhance the
careers of the best young faculty members
in specific fields of science.

2007

Ravin Balakrishnan, Computer Science Deborah Zamble, Chemistry

2006

Aaron Hertzmann, Computer Science Arun Paramekanti, Physics

2005

Sam Roweis, Computer Science

2004

Gregory Scholes, Chemistry **Balint Virag,** Computer and Mathematical
Sciences. UTSC

2003

Peter Andolfatto, Zoology James Ellis Colliander, Mathematics Kentaro Hori, Physics Hae-Young Kee, Physics Daniel A. Lidar, Chemistry

NATIONAL HONOURS

THE CALDWELL PARTNERS

Top 40 Under 40

2006

Tom Chau, Institute of Biomaterials and Biomedical Engineering

Brendan J. Frey, Electrical and Computer Engineering

Vivek Rao, Surgery
Aaron Schimmer, Medicine

2005

Brenda Banwell, Paediatrics Philip Zelazo, Psychology

2003

Peter Dirks, Surgery
David Jaffray, Medical Biophysics
Edward E. Sargent, Electrical and Computer
Engineering

2002

Adalsteinn Brown, Health Policy, Management and Evaluation

Aled Edwards, Banting and Best Department of Medical Research

Christopher Hogue, Biochemistry Michael Sherar, Medical Biophysics Molly Shoichet, Chemical Engineering and Applied Chemistry

CANADA COUNCIL FOR THE ARTS

Killam Prize

Honours eminent Canadian scholars in engineering, health sciences, natural sciences, social sciences and humanities.

2007

J. Richard Bond, Canadian Institute for Theoretical Astrophysics

2005

Linda Hutcheon, Centre for Comparative Literature

2004

James G. Arthur, Mathematics
Janet Rossant, Molecular Genetics

2003

Edward J. Davison, Electrical and Computer Engineering

Tak Mak, Medical Biophysics

2002

lan M. Hacking, Institute for the History and Philosophy of Science and Technology Lap-Chee Tsui, Molecular Genetics

CANADIAN INSTITUTES OF HEALTH RESEARCH

The Michael Smith Prize in Health Research Given annually to a Canadian researcher

who has demonstrated a high degree of innovation, creativity, leadership and dedication in health research.

2007

Peter Singer, Medicine

2005

Janet Rossant, Molecular Genetics

2004

Sergio Grinstein, Biochemistry

2002

Anthony J. Pawson, Molecular Genetics

KILLAM RESEARCH FELLOWSHIP

Recognizes and supports distinguished Canadian scholars who have established outstanding reputations in their areas of research.

2007

Lynne Magnusson, English

2005

Virginia Brown, Medieval Studies (Renewed in 2006)

2004

lan Lancashire, English (Renewed in 2006)

2003

John B. Friedlander, Computer and Mathematical Sciences, UTSC

Barbara Sherwood Lollar, Geology (Renewed in 2005)

Lynne Viola, History (Renewed in 2005)

2002

J. Edward Chamberlin, English Victor Ivrii, Mathematics Thomas L. Pangle, Political Science

MOLSON PRIZE

Recognizes an outstanding lifetime contribution to the cultural and intellectual life of Canada.

2005

Ramsay Cook, History

2003

Janice Gross Stein, Political Science

2002

lan M. Hacking, Institute for the History and Philosophy of Science and Technology

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA

Brockhouse Canada Prize for Interdisciplinary Research in Science and Engineering 2005

Sajeev John (Physics) and **Geoffrey A. Ozin** (Chemistry)

Gerhard Herzberg Canada Gold Medal For Science and

Engineering

Given annually to a scientist or engineer who has demonstrated excellence and influence in research for work that has advanced the natural sciences or engineering fields. 2006

J. Richard Bond, Canadian Institute for Theoretical Astrophysics

Steacie Memorial Fellowship Award

Given annually to university researchers for outstanding scientific or engineering achievement.

2007

Eckhard Meinrenken, Mathematics Gregory Scholes, Chemistry Aephraim Steinberg, Physics

2006

Locke Rowe, Zoology

2005

Roberto Garcia Abraham, Astronomy and Astrophysics

Peter Zandstra, Chemical Engineering and Applied Chemistry

2004

George Eleftheriades, Electrical and Computer Engineering

Lisa Jeffrey, Computer and Mathematical Sciences, UTSC

2003

Molly Shoichet, Chemical Engineering and Applied Chemistry

Kim J. Vicente, Mechanical and Industrial Engineering

Synergy Award For Innovation 2007

Luis Seco, Mathematical and Computational Sciences. UTM

2005

Joseph Paradi, Mechanical and Industrial Engineering

2004

Douglas Reeve, Chemical Engineering and Applied Chemistry

ONTARIO MINISTRY OF RESEARCH AND INNOVATION

Premier's Catalyst Award Best Young Innovator Recognizes excellence in commercially

successful innovations.

2007

Parham Aarabi, Electrical and Computer Engineering

Premier's Discovery Award Recognizes excellence in internationally recognized research.

2007

Spencer Barrett, Ecology and Evolutionary Biology

Andreas Mandelis, Mechanical and Industrial Engineering

Premier's Summit Award in Medical Research

Given to leaders in medical research who have made a major impact in their field and a substantial contribution to medical science.

2007

John E. Dick, Molecular Genetics Tak Mak, Medical Biophysics Anthony J. Pawson, Molecular Genetics **Peter St George-Hyslop,** Centre for Research in Neurodegenerative Diseases

THE ROYAL SOCIETY OF CANADA

Fellowships
Fellowship is a prestigious honour recognizing outstanding contributions to the arts and sciences.

2007

James Robert Brown, Philosophy Gary Crawford, Anthropology, UTM Lisa Jeffrey, Computer and Mathematical Sciences. UTSC

Eugenia Kumacheva, Chemistry lan Lancashire, English Kenneth Leithwood, Theory and Policy Studies in Education, OISE/UT

Peter Martin, Canadian Institute for Theoretical Astrophysics

John Mylopoulos, Computer Science
J. Robert Prichard, Law
Theodore Shepherd, Physics
Peter Singer, Medicine
Barry Wellman, Sociology
R. Paul Young, Civil Engineering

2006

Ronald Beiner, Political Science
Alan Bewell, English
Jing M. Chen, Geography
Joseph G. Culotti, Molecular Genetics
Abdallah Daar, Public Health Sciences
Lewis E. Kay, Molecular Genetics
Hector Levesque, Computer Science
Andreas Mandelis, Mechanical and
Industrial Engineering

Pamela Ohashi, Medical Biophysics
Terence W. Picton, Medicine
Janet Polivy, Psychology, UTM
Stephen Scherer, Molecular Genetics
Demetri Terzopoulos, Computer Science
William Trimble, Biochemistry
Mariana Valverde, Criminology
Jeffrey Wrana, Molecular Genetics

2005

Peter Abrams, Ecology and Evolutionary Biology Brenda Andrews, Banting and Best Department of Medical Research

Charles M. Boone, Banting and Best Department of Medical Research

James Alan Dainard, French Ronald de Sousa, Philosophy James Drummond, Physics Monica Heller, Sociology and Equity Studies

in Education, OISE/UT
Mark R. Henkelman, Medical Biophysics
John M. Kennedy, Psychology, UTSC
Alexander M. Leggatt, English
John F. MacDonald, Physiology

Alberto O. Mendelzon, Computer and Mathematical Sciences, UTSC

Freda Miller, Molecular Genetics
Robert Morris, Chemistry
G. Peter Richardson, Centre for the Study
of Religion

Michael Salter, Centre for the Study of Pain Michael Sefton, Chemical Engineering and Applied Chemistry

John Edward Sipe, Physics

2004

Gregory M. Brown, Psychiatry
Stephen Clarkson, Political Science
John E. Dick, Molecular Genetics
Alison Fleming, Psychology, UTM
John Myles, Sociology
David Naylor, Medicine
Barbara Sherwood Lollar, Geology
Richard Simeon, Political Science
Donald Stuss, Medicine
Rosemary Sullivan, English

2003

lan Blake, Electrical and Computer Engineering Meric S. Gertler, Geography Allan Griffin, Physics David J. A. Jenkins, Nutritional Sciences Roland Le Huenen, Centre for Comparative

Jill Levenson, English
Patrick Macklem, Law
Yoshio Masui, Cell and Systems Biology
Adel Sedra, Electrical and Computer Engineering
Carolyn Tuohy, Political Science
Gordon F. West, Physics

Jason A. Hannah Medal 2007

Michael Bliss, Health Policy, Management and Evaluation

The Mclaughlin Medal 2007

John R. G. Challis, Physiology

2006

Michael D. Tyers, Molecular Genetics

2002

Sergio Grinstein, Biochemistry

E.W.R. STEACIE FOUNDATION

Steacie Prize

Canada's most prestigious research award for young scientists and engineers.

2003

Stephen Scherer, Molecular Genetics

CONNAUGHT COMMITTEE

CHANCELLOR JACKMAN RESEARCH FELLOWSHIPS IN THE HUMANITIES

2006-2007 Suzanne Akbari, English Alana Johns, Linquistics James Retallack, History Marleen Rozemond, Philosophy

CONNAUGHT RESEARCH FELLOWSHIPS IN THE SOCIAL SCIENCES

2006-2007
Joseph M. Bryant, Religion
Simone Chambers, Political Science
Kelly Hannah-Moffat, Sociology, UTM
Jack Sidnell, Anthropology, UTM

MCLEAN AWARD

Since start of program in 1996

James Colliander (2007), Mathematics Aephraim Steinberg (2006), Physics Yael Karshon (2005), Mathematics Molly Shoichet (2004), Chemical Engineering and Applied Chemistry

Eckhard Meinrenken (2003), Mathematics Kim J. Vicente (2002), Mechanical and Industrial Engineering

Jerry Mitrovica (2001), Physics Lisa Jeffrey (2001), Computer and Mathematical Sciences, UTSC

Boris Khesin (1999), Mathematics Lewis Kay (1998), Molecular Genetics Ian Manners (1997), Chemistry Sajeev John (1996), Physics





Office of the Vice-President, Research Simcoe Hall 27 King's College Circle Toronto, Ontario Canada M5S 1A1

Tel: 416-978-4984 Fax: 416-971-2647 vp.research@utoronto.ca www.research.utoronto.ca