

**AWARDS & HONOURS**  
**June 14, 2014 – Oct 17, 2014**

**Faculty of Applied Science & Engineering**

Professor **Uwe Erb**, Materials Science & Engineering, has been inducted as a Fellow of the Canadian Academy of Engineering (CAE). A distinction held by some of the most accomplished engineers in Canada, CAE Fellows are nominated by peers to honour a lifetime of achievements and contributions in their field. Uwe Erb pioneered the first Canadian initiative on nanostructured materials and was co-founder of the first Canadian nanomaterials spin-off company.

Professor **Natalie Enright Jerger**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, has received the Ontario Professional Engineers Young Engineer Award, “for outstanding young Ontario engineers, who have made exceptional achievements in their chosen fields”. Professor Enright Jerger has made outstanding contributions to research in computer architecture in the critical areas of interconnection networks and parallel architectures.

Professor **Radhakrishnan Mahadevan**, Chemical Engineering & Applied Chemistry, has received the Canadian Society for Chemical Engineering’s Syncrude Canada Innovation Award. This award is presented to an individual under the age of 40 for a distinguished contribution to the field of chemical engineering while working in Canada. Applying recent advances in bioinformatics and bioengineering to significant real-world engineering challenges, Mahadevan’s lab has developed complex computer models that accurately reproduce in silico all of the metabolic processes in a living organism.

A groundbreaking medical innovation developed and brought to market by Professor **Paul Santerre** has won top prize from the 2014 Ernest C. Manning Innovation Awards. A professor with the Faculty of Dentistry and the Institute of Biomaterials & Biomedical Engineering (IBBME) (which spans the faculties of Applied Science & Engineering, Medicine and Dentistry), Santerre won this year's Principal Award for his surface modifying macromolecules.

Professor **Ted Sargent**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, has been inducted as a Fellow of the Canadian Academy of Engineering (CAE). A distinction held by some of the most accomplished engineers in Canada, CAE Fellows are nominated by peers to honour a lifetime of achievements and contributions in their field. Ted Sargent is the Canada Research Chair in Nanotechnology and vice-dean, research for the Faculty. In his groundbreaking research, he has applied novel quantum-tuned materials to create full-spectrum solar cells and ultra-sensitive light detectors.

Professor **Ted Sargent**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering was elected to the Academy of Science in the Mathematical and Physical Sciences Division. Sargent's research has resulted in advances in nanotechnology and materials chemistry, which he has translated into new engineered devices for energy harvesting, light sensing and medical diagnosis.

Professor **Molly Shoichet**, Chemical Engineering & Applied Chemistry and the Institute of Biomaterials & Biomedical Engineering, has received the Senior Scientist Award from the Tissue Engineering International & Regenerative Medicine Society – Americas (TERMIS-AM). Shoichet is a world-renowned leader in the development of therapeutic medical treatments that make use of advanced polymers to solve tough medical problems. This award recognizes her significant contributions to the field of tissue engineering and regenerative medicine.

Professor **Micah Stickel**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, has been honoured by the American Society of Engineering Education as one of their Top 20 Under 40. Stickel was cited for his experience-based teaching approach, and his pioneering of the “inverted classroom” style in the Faculty of Applied Science & Engineering, where he has served as first year chair since 2012.

Professor **Yu Sun**, Mechanical & Industrial Engineering, has been inducted as a Fellow of the Canadian Academy of Engineering (CAE). A distinction held by some of the most accomplished engineers in Canada, CAE Fellows are nominated by peers to honour a lifetime of achievements and contributions in their field. Yu Sun is the Canada Research Chair in Micro and Nano

Engineering Systems and a leader in the development of micro and nano robotics and device technologies for biomedical and clinical applications.

Professor **Frank Vecchio**, Civil Engineering, has received the Ontario Professional Engineers Research and Development Medal, “for using new knowledge in developing useful, novel applications, or advancing engineering knowledge or applied science, or discovering or extending any of the engineering or natural sciences”. Professor Vecchio co-developed the Modified Compression Field Theory, a groundbreaking conceptual model for describing the behaviour of reinforced concrete under general load conditions.

Professor **Peter Zandstra**, Institute of Biomaterials and Biomedical Engineering, was elected to the Academy of Science in the Applied Science and Engineering Division. Zandstra is a pioneer in the field of stem cell bioengineering, an area that applies engineering principles to stem cell biology.

### **Faculty of Arts & Science**

Professor **Salvatore Bancheri**, Italian Studies, has won the 2014 American Association of Teachers of Italian Distinguished Service Award recognizing his outstanding merits as a scholar, teacher and administrator in the field of Italian studies. The award is the highest honour given in North America to an Italianist.

Professor **Sylvia Bashevkin**, Political Science, has won the Mildred A. Schwartz Lifetime Achievement Award from the American Political Science Association. The award recognizes scholarship and leadership in bringing the study of Canadian politics to the international political science community.

**John Paul Catungal**, Geography, has received the 2014 Starkey-Robinson Award from the Canadian Association of Geographers. The award recognizes outstanding thesis research that furthers understanding of the geography of Canada.

Professor **Rebecca Ghent**, Earth Sciences, shared the NASA Group Achievement Award as a member of the Diviner Radiometer Science Team. The award recognizes substantial contributions to NASA's mission.

Professor Emeritus **Ian Hacking**, Philosophy has won the 2014 Balzan Prize in Epistemology and Philosophy of the Mind from the International Balzan Prize Foundation in recognition of his "fundamental and pioneering contributions" to philosophy.

Professor **Mike Hamilton**, Earth Sciences has won the Barlow Medal from the Canadian Institute of Mining, Metallurgy and Petroleum for the best geological paper published in 2013.

Professor **Barbara Sherwood Lollar**, Earth Sciences, has won the 2014 Helmholtz International Fellow Award for Excellent Researchers and Science Managers from Abroad from the Helmholtz Association, Germany's largest scientific organization.

Professor **R. J. Dwayne Miller**, Chemistry, has won the E. Bright Wilson Award in Spectroscopy from the American Chemical Society. The award recognizes outstanding accomplishments in fundamental or applied spectroscopy in chemistry.

**Karen Ruffle, Ajay Rao, Walid Saleh and Nhung Tuyet Tran** have won funding from the Andrew W. Mellon Foundation for their proposal, "Religious Materiality in the Indian Ocean World, 1300 - 1800".

Professor **Marla B. Sokolowski**, Ecology & Evolutionary Biology, has won the 2014 Distinguished Investigator Award from the International Behavioural and Neural Genetics Society. The award recognizes an outstanding record of achievement and continued impact on the field.

**David Zutautas**, Assistant Director of Student Recruitment, Enrolment Services, is the first Canadian to receive the Distinguished Service Award given by Overseas Association for College Admission Counselling (OACAC). The OACAC's worldwide membership is dedicated to serving students as they make choices about pursuing postsecondary education. At the awards ceremony, David was recognized not only for his outstanding contribution to the association over the past 15 years but also for setting the gold standard for customer service to school personnel, applicants and their families.

## **Faculty of Medicine**

Prof. **Michelle Bendeck**, along with Ohio State University's (OHSU) Assistant Professor **Gunjan Agarwal**, has been awarded a CEOS-Connect Award for Networking. The CEOS-Connect program supports women in STEMM (science, technology, engineering, mathematics and medicine) by strengthening and broadening their networks. The grant is designed to allow a junior faculty member (Agarwal) to invite a senior scholar of international reputation (Bendeck) to visit the OHSU campus and deliver a seminar. Bendeck visited OHSU in March 2014. In turn, Agarwal will present a seminar at the University of Toronto in March 2015.

Professor **Sunit Das** is the American College of Surgeons' 2014 Franklin Martin Faculty Research Fellow. This two-year fellowship will help him develop new research programs. Das's clinical and research interests focus on primary cancers of the brain.

Prof. **Eleftherios Diamandis** is the recipient of the JJ Berry Smith Doctoral Supervision Award. This award honours active faculty members who, over a minimum of a 15-year period, have demonstrated excellence in supervision at U of T. This award recognizes Diamandis's outstanding performance in the multiple roles associated with doctoral supervision. His research activities revolve around discovery and validation of cancer biomarkers, proteomics, mass spectrometry and translational research.

Professor **Eleftherios Diamandis** has received the 2014 Canadian Society of Clinical Chemists (CSCC) Award for Outstanding Contributions to Clinical Chemistry, recognizing Diamandis's many contributions to clinical chemistry including leadership in research, clinical service and education.

Professor **Daniel Drucker** received the prestigious Banting Medal for Scientific Achievement Award for scientific excellence and significant, long-term contributions to the understanding, treatment or prevention of diabetes. A senior scientist at the Lunenfeld-Tanenbaum Research Institute at Mount Sinai Hospital, Drucker is known for his translational studies identifying fundamental aspects of gut hormone action, which supported the development of three novel classes of medicines for treating metabolic disorders.

Professor **Frances Jamieson** has won a National LEADing Practice Award from Canada Health Infoway and Accreditation Canada. Jamieson and her team were recognized for their web-based Geographic Information System application, known as Ontario Universal Typing — Tuberculosis (OUT-TB) Web. The LEADing Practice Initiative is part of Canada Infoway's Clinician Education Campaign, designed to raise awareness and understanding of the clinical benefits of interconnected electronic health record systems. This award recognizes health care teams who are using technology to strengthen clinical practice and the quality of care delivered. Jamieson and research technician Jennifer Guthrie (MSc) received this national award at the Advancing Care: Optimizing the Use and Value of Digital Health — Peer Leader Symposium in Toronto on February 28, 2014.

Professor **Laurence Klotz**, Surgery, won the Society of Urologic Oncology's 2014 Medal for his contributions to the field of urologic oncology. Klotz is an expert on prostate cancer and was an early champion of active surveillance for this disease. He is the founding Editor-in-Chief of the Canadian Journal of Urology, and Chief of Urology at Sunnybrook Health Sciences Centre.

Professor **Ozgur Mete** received the Wightman-Berris Academy Individual Teaching Performance Award in Undergraduate Medicine. This award recognizes excellence in the ability to enhance learning, teach effectively, stimulate critical thinking, act as a mentor and encourage scholarly activities.

Professor **Catherine O'Brien** received the prestigious Lap-Chee Tsui Publication Award in the Biomedical Research Category, together with co-first author **Antonija Kresor** and senior author Professor **John Dick**, Department of Molecular Genetics at the University of Toronto. The winning paper was published in *Science* (Feb 2013) and showed that apart from genetic diversity, epigenetic and microenvironmental factors can affect functional heterogeneity in tumours. This groundbreaking research provides new insights into the “non-genetic determinants” of cancer cell behavior, including tumour dormancy and metastatic potential, and explains why some cancers recur after treatment. The Canadian Institutes of Health Research — Institute of Genetics (CIHR-IG) established this award to recognize outstanding trainee-conducted research within the CIHR-IG’s mandate. This award was established to honour Dr. Lap-Chee Tsui who discovered the gene for cystic fibrosis, a milestone in human genetic disease research.

Professor **Michael Pollanen** has won the 2012–2013 Interprofessional Health Care Team Continuing Professional Development Award for his program on suicide, an interprofessional initiative for coroners, lawyers, pathologists and technologists. This award recognizes the importance of innovative research in continuing education for health professionals. Pollanen is Ontario’s Chief Forensic Pathologist and founding Program Director for the Forensic Pathology Residency Training Program.

Prof. **James Rutka** was appointed to the Order of Ontario, the province’s highest honour. Rutka is a pediatric neurosurgeon at the Hospital for Sick Children, and a renowned brain cancer researcher. His research interests are focused on the biology of brain cancer, particularly the molecular mechanisms through which brain tumours grow and invade. His other recent clinical interests include the surgical treatment of epilepsy in children.

Professor **Donald Stuss** received the prestigious Gold Key Award from the American Congress of Rehabilitation Medicine. Granted in recognition of extraordinary service in the field of rehabilitation, it is the highest honour given by the ACRM. One of the world’s foremost neuropsychologists, Stuss researches neurology and psychology and has dedicated his work to

understanding the human mind through the study of brain-damaged patients. He is the president and scientific director of the Ontario Brain Institute.

Professor **John Wedge**, Surgery, received an Honorary Doctor of Laws from the University of Saskatchewan. Wedge is an authority on complex surgical hip reconstruction in children and adolescents, and specializes in treating cerebral palsy. He is a former Associate Vice-Provost, at the University of Toronto.

Prof. **Paul Yip** is the recipient of the American Association of Clinical Chemistry 2013 Outstanding Speaker Award. His presentation was entitled, “Can Point-of-Care Testing Meet the Evolving Diagnostic Role of Hemoglobin A1c?”

Western University awarded Professor **Catherine Zahn**, President and CEO of the Centre for Addiction and Mental Health, an Honorary Doctor of Laws. Zahn has helped focus a public spotlight on mental health. She is an expert in health care quality improvement and neurologic education and has led system change in technology assessment, chronic disease management and epilepsy.

### **Ontario Institute for Studies in Education**

The Ministry of Education of the People’s Republic of China and the Li Ka Shing Foundation awarded a Chang Jiang Scholarship to **Professor Alister Cumming**, Curriculum, Teaching & Learning, in recognition of his outstanding contributions to the field of second language education. The Chang Jiang Scholars program, considered to be China’s most prestigious scholarly honour, was founded in 1998 to bring eminent scholars from across the world to Chinese universities to teach and conduct research with prominent academicians at the nation’s leading universities. The award entails a three-year visiting appointment at the institution that nominated him, the National Research Centre for Foreign Language Education at Beijing Foreign Studies University.



Professor **Clare Kosnik**, Curriculum, Teaching & Learning has won a University of Toronto JJ Berry Smith Doctoral Supervision Award. This annual accolade honours active faculty members who have, over 15 years, demonstrated an unwavering

University of Toronto professor **Kang Lee** has been awarded a 2014 Ig Nobel Prize for his study on the phenomenon of "face pareidolia" – where onlookers report seeing images of Jesus, Virgin Mary, or Elvis in objects such as toast, shrouds and clouds. Produced by the science humor magazine *Annals of Improbable Research* the Ig Nobels honour achievements that first make people laugh, and then make them think. They were awarded at Harvard University's historic Sanders Theatre September 18 before 1100 spectators.

### **Rotman School of Management**

Professor **Ole-Kristian Hope** received the Haim Falk Award at The Canadian Academic Accounting Association's annual conference in Edmonton. The award is given for Distinguished Contribution to Accounting Thought and intended to stimulate scholarly thinking and research in Canada by giving widespread recognition to excellence in scholarly achievement that clearly contributes to the advancement of accounting thought. Hope was cited for his extraordinary research record which covers a wide range of topics in accounting and extends to including both accounting practice and public policy issues and to his work with doctoral students as the PhD coordinator in accounting.

### **University of Toronto Mississauga**

Professor **Deep Saini**, vice-president and principal of the University of Toronto Mississauga, was among distinguished honorees at two recent galas: the Sikh Foundation of Canada and the Indo-Canada Chamber of Commerce. At the Sikh Centennial Gala. Saini was recognized for his leadership and career achievements at UTM and other academic institutions. Saini was also named "Professional of the Year" by the Indo-Canada Chamber of Commerce at the organization's recent ICCG Gala and Awards night.

## **Awards & Honours Addendum**

### **ORDER OF CANADA**

From acclaimed scholars and writers to business leaders and filmmakers, members of the University of Toronto community comprise one quarter of the newest appointees to the Order of Canada. Governor General David Johnston announced the awards June 30 and the full list of 86 recipients includes 23 U of T alumni, honorary grads and faculty members.

The Department of Psychiatry's **Donna Stewart** was named a member of the Order and **David Goldbloom** was made an officer. Professor **Marion Bogo** of the Factor-Inwentash Faculty of Social Work was also named an officer for her teaching and scholarship. **Anthony Doob**, professor emeritus of criminology, and **Roy Shephard**, professor emeritus of kinesiology were both named members of the Order. Doob was honoured for his scholarship and his role in shaping Canadian justice policy and Shephard for his pioneering work in the field of exercise science and for promoting the health benefits of physical activity to Canadians.

The list of new Order of Canada honourees includes the following members of the U of T community:

### **COMPANION OF THE ORDER OF CANADA**

**David Cronenberg**: for his unflagging contributions to Canadian film as a cinematic icon who has cemented his place within the world's top echelon of filmmakers.

### **OFFICER OF THE ORDER OF CANADA**

**Marion Bogo**: for her achievements in the field of social work as a scholar and teacher, and for advancing the practice in Canada and abroad.

## **OFFICER OF THE ORDER OF CANADA**

**Philip Branton:** for his leadership in the development of a national cancer research framework, and for his contributions to our understanding of tumour viruses and cell division regulation.

**G. Raymond Chang:** for his achievements as a business leader and for his generosity in support of education, health care and entrepreneurship.

**David F. Denison:** for his contributions to advancing financial security for Canadians from coast to coast and for his engagement with charitable causes.

**David Goldbloom:** for his national leadership as a mental health clinician, educator and advocate, and for his involvement in a range of community endeavours.

**Norman B. Keevil:** for his leadership in Canada's mining industry and for his philanthropy in education and community-building initiatives.

**Shirley Marie Tilghman:** for her contributions to molecular biology, for her leadership in university education and for her influential efforts to champion women in science and engineering.

## **MEMBER OF THE ORDER OF CANADA**

**Terrence Donnelly:** for his philanthropic contributions to health care and medical research.

**Anthony Doob:** for his scholarship in the field of criminology and for his role in shaping Canadian justice policy.

**Allan B. Etmanski:** for his success in empowering persons with disabilities to participate in and contribute to Canadian society.

**Cyril Basil Frank:** for his contributions to advancing orthopedic health care services in Alberta, and for his scientific contributions to bone and joint repair research.

## **MEMBER OF THE ORDER OF CANADA**

**Karen Goldenberg:** for her role in advancing research and practice in occupational therapy, and for her leadership of social service organizations.

**Guy Gavriel Kay:** for his contributions to the field of speculative fiction as an internationally celebrated author.

**Jack Long:** for his engagement as a pioneer in Canada's music retail industry who is committed to musicians, customers and employees across the country.

**James Low:** for his contributions as an academic and as the founder of the Museum of Health Care, which preserves the history and artifacts of Canada's health care pioneers.

**Alexander Peter Pauk:** for his contributions to the development of contemporary Canadian orchestral music and for his promotion of Canada's composers.

**Kari Polanyi Levitt:** for her contributions to the establishment of international development studies as an interdisciplinary academic field, and for her research on political economy in the Caribbean.

**Ronald Rosenes:** for improving access to health care and social justice resources for people living with HIV and AIDS through his advocacy, fundraising and community leadership.

**Roy Shephard:** for his pioneering work in the field of exercise science and for promoting the health benefits of physical activity to Canadians.

**Donna Eileen Stewart:** for her contributions to women's health as a nationally renowned leader in the field.

**Constance Sugiyama:** for her achievements as a lawyer and for her extensive civic engagement.

**Norman Willis:** for his leadership in veterinary science and for his contributions to the development of national research centres that study disease vectors between animals and humans.

## **ROYAL SOCIETY OF CANADA:**

A record **21** U of T scholars have been named Fellows of the Royal Society of Canada (RSC) this year, more than the university has ever seen inducted in a single year. U of T's new RSC Fellows, who will be formally inducted at a ceremony in Ottawa on November 22, are:

(To read the RSC's citations for these Fellows,  
visit [www.research.utoronto.ca/2014RSCFellows](http://www.research.utoronto.ca/2014RSCFellows))

- **Craig Boutilier**, Department of Computer Science
- **Konrad Eisenbichler**, Department of Italian Studies & Department for the Study of Religion
- **Michael G. Fehlings**, Department of Surgery & Toronto Western Hospital
- **Eugene Fiume**, Department of Computer Science
- **Jane Gaskell**, Ontario Institute for Studies in Education
- **Ran Hirschl**, Department of Political Science & Faculty of Law
- **Adèle Hurley**, Munk School of Global Affairs
- **Chelva Kanaganayakam**, Department of English, Department for the Study of Religion & Munk School for Global Affairs
- **John Kloppenborg**, Department for the Study of Religion
- **Lynne Magnusson**, Department of English
- **Philip Marsden**, Department of Medicine & St. Michael's Hospital
- **Robert McCann**, Department of Mathematics
- **Andras Nagy**, Department of Obstetrics and Gynaecology & Mount Sinai Hospital

## **ROYAL SOCIETY OF CANADA:**

- **David Rayside**, Department of Political Science
- **Edward H. Sargent**, Edward S. Rogers Department of Electrical and Computer Engineering
- **Ayelet Shachar**, Faculty of Law & Department of Political Science
- **Judith Teichman**, Department of Political Science, U of T Scarborough
- **Ulrich Tepass**, Department of Cell & Systems Biology
- **Nicholas Terpstra**, Department of History
- **Lynne Viola**, Department of History
- **Peter Zandstra**, Institute of Biomaterials and Biomedical Engineering

The RSC also recognized five of U of T's top researchers with major awards for their excellence and innovation. (Read more about the honours for **Spencer Barrett**, **Sylvia Bashevkin**, **Markus Dubber**, **Michael (Mike) Evans**, **Bálint Virág**.)

And the RSC announced that three U of T researchers are among the first cohort of its prestigious new college, created to recognize the emerging generation of Canadian intellectual leadership. (Read more about the college and the work of **Amira Mittermaier**, **Milica Radisic**, and **Nathalie E. Rothman**.)

## **Thomson-Reuters:**

### **Thomson-Reuters**

*When Thomson-Reuters, a multinational data and media company – came up with a list of 3200 of the world's top scientific researchers, U of T led the country with 19 scholars:*

**Gary Bader**, associate professor at The Donnelly Centre at U of T, is a leading expert in Computational Biology, otherwise known as Bioinformatics

**Craig Doidge**, associate professor of Finance at U of T's Rotman School of Management

**Marie-Josée Fortin**, a professor in Spatial Ecology in the Department of Ecology & Evolutionary Biology, and prominent international leader in spatial statistics

**Igor Jurisica**, a professor at the Departments of Medical Biophysics and Computer Science and senior scientist at University Health Network

**Anthony Lang**, a professor in the Department of Medicine and Director for the Division of Neurology. He also holds the Jack Clark Chair at the University of Toronto Centre for Research in Neurodegenerative Disease

**Andres Lozano**, a professor in Faculty of Medicine's Department of Surgery, holds the Dan Family Chair in Neurosurgery at U of T

**Scott Mabury**, a professor of Environmental Chemistry and vice-president of University Operations

**Bill McEvily**, a professor of Strategic Management at the University's Rotman School of Management

**Roger McIntyre**, a widely published professor of Psychiatry and Pharmacology

**Eiji Nambara**, an associate professor for the Department of Cell and Systems Biology, and a leading researcher on plant hormone metabolisms

**Michael Nolta**, an award-winning cosmologist and research associate at the Canadian Institute for Theoretical Astrophysics (CITA) at the University of Toronto

**Kathleen Pritchard**, a professor with the Department of Medicine, medical oncologist and clinical trials research scientist

**Jürgen Rehm**, a professor and chair of Addiction Policy in U of T's Dalla Lana School Public Health

Professor **Stephen Scherer** of the Department of Molecular Genetics in the Faculty of Medicine

**Lincoln Stein**, a professor with the Department of Molecular Genetics

**Douglas Stephan**, a professor in the Department of Chemistry

**Gert Van Assche**, a professor in the Department of Medicine

**Wei Yu**, a professor at the Department of Electrical and Computer Engineering

**Bernard Zinman**, a professor in the Department of Medicine and the director of Leadership Sinai Centre for Diabetes at Mount Sinai Hospital