

## Awards & Honours – January – February 2013

### Faculty of Applied Science & Engineering

Professors **Elizabeth Edwards**, Chemical Engineering & Applied Chemistry, **Frank Kschischang and Jonathan Rose**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, were inducted into the Royal Society of Canada (RSC). The RSC is the senior national body of distinguished Canadian scholars, artists and scientists. It consists of nearly 2,000 Fellows, who are selected by their peers for outstanding contributions to the natural and social sciences, the arts and the humanities.

Professor **Eric Miller**, Civil Engineering, is the inaugural recipient of the University of British Columbia's Margolese National Design for Living Prize. The award recognizes a Canadian who has made outstanding contributions to the development and improvement of living environments for Canadians of all economic classes. Miller has dedicated his career to researching interactions between humans, urban land use, transportation and the environment, and to educating the next generation of responsible transportation engineers. He recently completed a term as director of Cities Centre, where researchers focus on crucial urban issues.

Professor **Chul Park**, Mechanical & Industrial Engineering, has been inducted into the Korean Academy of Science and Technology. Park is the Canada Research Chair in Microcellular Plastics and the founder and director of the Microcellular Plastics Manufacturing Laboratory. He holds 20 patents and his research has been licensed by more than 700 companies.

Professor **Edward (Ted) Sargent**, Edward S. Rogers Sr. Department of Electrical & Computer Engineering, is the winner of the 2012 Steacie Prize. The Steacie Prize is awarded each year to one person 40 years of age or younger who has made notable contributions to research in Canada. The prize is administered by the E.W.R. Steacie Memorial Fund, a private foundation dedicated to the advancement of science and engineering in Canada. Sargent, who is also the vice-dean, Research, Faculty of

Applied Science & Engineering, is widely known as the inventor of full-spectrum solution-processed solar cells.

Professor **Molly Shoichet**, Chemical Engineering & Applied Chemistry, Institute of Biomaterials & Biomedical Engineering, has been named a recipient of the Queen Elizabeth II Diamond Jubilee Medal. The award marks the Queen's 60th year of reign and honours significant contributions and achievements by Canadians. Shoichet, a world-renowned researcher in the field of regenerative medicine, holds a Canada Research Chair (Tier I) in Tissue Engineering. She will receive her medal Feb. 6, 2013, at a ceremony at Roy Thompson Hall.

Professor **David Zingg** is the 2012 recipient of the Canadian Aeronautics and Space Institute (CASI) McCurdy Award. The McCurdy Award is presented for outstanding achievement in the science and creative aspects of engineering relating to aeronautics and space research. The award commemorates the contributions of U of T Engineering alumnus John A.D. McCurdy (Mechanical Engineering 1906). Zingg is the director of the University of Toronto's Institute for Aerospace Studies (UTIAS) and holds the Canada Research Chair in Computational Aerodynamics and Environmentally Friendly Aircraft Design.

### **Faculty of Arts and Science**

Professor **Craig Boutilier**, Computer Science, has been appointed a Fellow of the Association for Computing Machinery (ACM). Boutilier was recognized "for contributions to knowledge representation and computational decision-making."

Professor **Jim Dicenso**, Religion, had his book *Kant, Religion, and Politics* (Cambridge U Press) recognized as one of the 2012 Choice Review Online's Outstanding Academic Titles in the Philosophy category. Choice publishes an annual list of Outstanding Academic Titles (OAT) reflecting the best scholarly titles reviewed by Choice during the previous calendar year.

## Faculty of Arts and Science (cont'd)

**Professor Craig Fraser**, director, Institute for the History & Philosophy of Science & Technology, has been elected a Full Member of the International Academy of the History of Science (Académie internationale d'histoire des sciences). The honour is reserved for distinguished scholars.

Professor **Stephen Julian**, Physics, has been elected a Fellow of the American Physical Society "For research on unconventional metallic and superconducting states of heavy fermion metals and strongly correlated oxides". This is a significant recognition of outstanding contributions to Physics.

Professor **Lewis Kay**, Chemistry, is the recipient of a 2013 NSERC E.W.R. Steacie Memorial Fellowship for his distinguished contribution to chemistry while working in Canada. The Fellowships support career development of outstanding and highly promising university faculty who are earning a strong international reputation for original research.

Professor **Yong Baek Kim**, Physics, has been elected a Fellow of the American Physical Society "For contributions to the theory of quantum spin liquids in frustrated magnets and correlated electron materials". This is a significant recognition of outstanding contributions to Physics.

Professor **Andrew Miall**, Earth Science, one of the best known and most widely respected sedimentary geologists in North America, will be inducted as an Honorary Member of the Canadian Society of Petroleum Geologists in May.

Professor **Stephen Morris**, Physics, has been elected a Fellow of the American Physical Society "For innovative experimental work in nonlinear dynamics, pattern formation, and geophysical patterns, and significant public outreach". This is a significant recognition of outstanding contributions to Physics.

Professor **Pierre Savard**, Physics, has been named Radio-Canada's 2012 Scientist of the Year for his remarkable contribution to the discovery of the Higgs Boson particle.

This honour is awarded to teams or individuals who have distinguished themselves via a discovery, published work, or remarkable achievement.

## Faculty Medicine

Professor **Cindy-Lee Dennis**, Department of Psychiatry & Lawrence S. Bloomberg Faculty of Nursing, and Shirley Brown Chair in Women's Mental Health Research at Women's College Research Institute was awarded the Hope Inspiration Award from the Mood Disorders Association of Ontario. The award will be presented on February 9, 2013 at the association's annual "MAD About You" gala, in recognition of Dr. Dennis's work to improve the prevention and management of postpartum depression.

Associate Professor **Bart Harvey's** *The Research Guide: A Primer for Residents, Other Health Care Trainees, and Practitioners*, received a 2012 Special Recognition Award from the American Medical Writers Association. Harvey – an associate professor and undergraduate education coordinator at the Dalla Lana School of Public Health – co-authored the book with Dr. Eddy Lang (University of Calgary), and Dr. Jason Frank (University of Ottawa).

The Cervical Spine Research Society (CSRS) honoured Professor **Michael Fehlings**, Surgery, with the CSRS Presidential Medal for his outstanding leadership and contributions to cervical spine research. Fehlings is the 40th president of the CSRS and the first Canadian to hold the leadership role.

Professors **Vito Forte**, Otolaryngology-Head and Neck Surgery, **Shirley Lee**, Family & Community Medicine, and **Lynfa Stroud**, Medicine, received the 2013 Canadian Association for Medical Education (CAME) Certificate of Merit Award. The CAME Certificate of Merit Award promotes, recognizes and rewards faculty committed to education in Canadian medical schools. They will be recognized at the CAME Annual General Meeting in April.

Professor **Harold Kalant**, Pharmacology & Toxicology, is being honoured with the Order of Canada for his lifetime achievements and major contributions to science.

## Faculty Medicine (cont'd)

Professors **Daune MacGregor**, Paediatrics and **Vivian Rambihar**, Medicine were awarded Queen Elizabeth II Diamond Jubilee Medals. MacGregor was recognized for her community service work with children with developmental handicaps. Rambihar was recognized for his pioneering work in health promotion, diversity and health, and complex science and health.

Professor **Donna Stewart** (Department of Psychiatry) has been awarded an educational and research faculty mobility grant from the Shastri Indo-Canadian Institute, to teach at the Indian National Institute of Mental Health and Neuro Sciences (NIMHANS) from Jan. 8 to 31, 2013. The goal of this grant is to enhance capacity of NIMHANS faculty, mental health professionals, and trainees, especially in the area of women's mental health. Stewart was also recently elected the Canadian Psychiatric Association representative to the World Psychiatric Association board, enabling her to further contribute to international capacity-building in mental health.

Psychiatry professor **Valerie Taylor**, psychiatrist-in-chief at Women's College Hospital, was awarded the TOPS Research Award from the Canadian Obesity Network. The award recognizes career contributions to research in the field of obesity. Taylor will deliver a keynote address and receive the award in Vancouver in May 2013, at the Canadian Obesity Summit.

Professor **Graham Trope** (Department of Ophthalmology and Vision Sciences) is the recipient of the Queen Elizabeth II Diamond Jubilee Medal from The Governor General of Canada. Nominated by the Canadian Ophthalmological Society, Trope is being honoured for his contributions to ophthalmology in Canada.

## Lawrence S. Bloomberg Faculty of Nursing

Professor **Michael McGillion** of the Lawrence S. Bloomberg Faculty of Nursing, received the Canadian Pain Society's (CPS) Early Career Award 2013 for his contributions in the study and advancement of improving care for people living with persistent forms of cardiac pain. This award recognizes his work on finding solutions to

manage these forms of pain, which are becoming more prevalent in our aging society and yet are often misdiagnosed.

Professor **Ellen Hodnett** of the Lawrence S. Bloomberg Faculty of Nursing, received the Canadian Nurses Association's (CNA) Order of Merit Award in Nursing Research. Hodnett's research focuses on rigorous evaluations of forms of care for childbearing women and also examines how the physical setting for labour affects the behaviour of women and their care providers, as well as birth outcomes. The awards were created in 2008 to recognize nurses who have had a significant and sustained impact on the nursing profession and the practice of nursing in Canada.

### **Joseph L. Rotman School of Management**

Professors **Aparna Labroo**, **Scott Liao**, **Stéphane Côté**, and Senior Lecturer, **Richard Powers** have been named the recipients of the 2012 Dean's Awards for Excellence in Research and Teaching. The purpose of the awards is to annually recognize and encourage excellence in the research and teaching activities of Rotman faculty members. Labroo, the Patricia C. Ellison Professor of Marketing, and Liao, Accounting, are the joint winners of the Award for Excellence in Research. Côté, Organizational Behaviour, and Richard Powers, National Academic Director, Directors Education Program and Governance Essentials Program, are the joint winners of the Award for Excellence in Teaching.

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### **Sloan Fellows**

Five University of Toronto researchers comprise half of Canada's Sloan Research Fellows for 2013. **Bianca Schroeder**, assistant professor of computer science; **Ruslan Salakhutdinov**, assistant professor of statistics; **Robert Young**, assistant professor of mathematics; **Dwight Seferos**, assistant professor of chemistry; and **Vinod Vaikuntanathan**, assistant professor of computer science will receive the two-year, \$50,000 awards. A non-profit institution based in New York, the Alfred P. Sloan Foundation makes grants in support of original research and education in science, technology, engineering, mathematics and economic performance.

## Order of Ontario

University of Toronto faculty and alumni comprise more than half of the 25 extraordinary leaders appointed to the Order of Ontario. Members of the U of T community named to the order include:

**Gail Robinson** of U of T's Department of Psychiatry, cross-appointed to the Department of Obstetrics and Gynaecology;

Dr. **Izzeldin Abuelaish**, an associate professor at U of T's Dalla Lana School of Public Health;

**Stephen Cook**, computer science University Professor Emeritus;

**Ronald Deibert**, director of the Citizen Lab at U of T's Munk School of Global Affairs;

**Shafique Keshavjee**, James Wallace McCutcheon Chair in Surgery, professor in the Division of Thoracic Surgery & Institute of Biomaterials and Biomedical Engineering, and director of the Toronto Lung Transplant Program;

Emeritus Dr. **Rory Fisher** headed the Department of Extended Care at Sunnybrook Hospital in Toronto for almost 20 years;

**Brian Stewart**, Distinguished Senior Fellow with U of T's Munk School of Global Affairs;

**Phyllis Creighton**, adjunct faculty, Divinity;

Alumna **Anne Golden**, who received her BA and PhD from U of T as well an honorary doctor of laws in 2002;

Alumnus Dr. **Vladimir Hachinski** is a world-renowned neurologist;

Alumnus the Honourable **Sydney Robins**, former Supreme Court of Ontario judge and judge of the province's Court of Appeal;

Alumnus **John Honsberger**, founding editor of the Law Society of Upper Canada Gazette;

Alumna **Joan Green**, the Toronto Board of Education's first female CEO and the founding CEO of Education Quality and Accountability Office;

Honorary graduate **Deepa Mehta**, an international icon in the film industry, received an Honorary Doctor of Laws, in 2011.

Created in 1986, the Order of Ontario, the province's highest official honour, recognizes the highest level of individual excellence and achievement in any field. Nominations are made by members of the public. The deadline for nominations is March 16.

### **Golden Globe Award**

Composer and University of Toronto alumnus **Mychael Danna** picked up a Golden Globe award January 13 for best film score for the movie *Life of Pi*. Danna earned his Bachelor of Music degree in composition at the University of Toronto in 1986, where he won the first-ever Glenn Gould Composition Award. At U of T, Danna met and began to work with acclaimed film director and U of T alumnus Atom Egoyan. Returning to U of T in 2011 as the inaugural Louis Applebaum Distinguished Visitor in Film Composition, Danna coached composition students and gave a public lecture with Egoyan.

### **3M Award for Teaching**

The Society for Teaching and Learning in Higher Education recognized Professor **June Larkin** for her exceptional teaching and educational leadership with a 3M National Fellowship. The senior lecturer in Women and Gender Studies and Equity Studies is credited with an innovative approach to curriculum that includes community-based, collaborative, socially engaged research and teaching. June Larkin is also vice-principal at New College and program director of Equity Studies. To date, 14 U of T faculty members have been honoured with a 3M Teaching Fellowship.

### **Sunnybrook Prize**

Fourth-year Engineering Science undergraduate **Ben Ouyang** took first place in the national Sunnybrook Prize competition which recognizes excellence in undergraduate engineering and physical sciences research and promotes careers in biomedical engineering. The competition pitted 10 undergraduate finalists from across Canada against one another in a final presentation before a panel of Sunnybrook Research Institute judges for the top \$10,000 prize.



### British Columbia National Award for Canadian Non-Fiction

University of Toronto Scarborough Professor Emeritus **Modris Eksteins'** book about Vincent van Gogh and the rise of Modernism has won the \$40,000 British Columbia National Award for Canadian Non-Fiction. Eksteins' *Solar Dance: Genius, Forgery and the Crisis of Truth in the Modern Age* looks at the political and artistic movement through the lens of van Gogh's work, especially as it was perceived in Germany's Weimar Republic. The prize, one of the most prestigious in Canada for non-fiction literature, is presented by the British Columbia Achievement Foundation, an independent foundation established by the province in 2003.

### Connaught Fund Innovation Awards

The Connaught Fund, the University of Toronto's premier internal funding program, has announced the results of its Innovation Awards and Summer Institute Awards, investing more than \$1 million in projects that span the disciplines. Innovation Award winners:

### Connaught Fund Innovation Awards (cont'd)

- **Carolyn Cummins** of the Leslie Dan Faculty of Pharmacy received \$100,000 for her work developing a new drug to prevent the side effects associated with the treatment of inflammatory diseases;
- **Constantin Christopoulos** of civil engineering, "Development of viscoelastic coupling damper for enhanced dynamic performance of high-rise buildings.
- **Axel Guenther** of mechanical and industrial engineering, "Skin printer for wound dressings."
- **Pierre Sullivan** of mechanical and industrial engineering, "Advanced miniature ion mobility spectrometry for biomarker identification with integrated sample processing stage."
- **Ping Lee** of the Leslie Dan Faculty of Pharmacy, "Controlled-release nitric oxide delivery system for ophthalmic applications."
- **Adam Rosebrock** of the Donnelly Centre for Cellular and Biomolecular Research, "Combinatorial synthesis of DNA libraries: a novel technology enabling fully

customizable, rapidly deployable reagents for diagnostics, functional genomics, and gene synthesis.”

- **Dwight Seferos** of chemistry, “Development of a nanotube-based energy storage device.”
- **Yu Sun** of mechanical and industrial engineering, the Edward S. Rogers Sr. Department of Electrical and Computer Engineering, and the Institute for Biomaterials and Biomedical Engineering, “Development of an automated cell counting system for clinical Kleihauer-Betke test.”
- **Paul Yoo** of the Institute for Biomaterials and Biomedical Engineering and the Edward S. Rogers Sr. Department of Electrical and Computer Engineering, “Novel electrical neuromodulation therapy for the treatment of overactive bladder symptoms.”
- **Zheng-Hong Lu** of materials science and engineering, “White organic light emitting diodes for lighting applications.”
- **Ridha Ben Mrad** of mechanical and industrial engineering, “An ultra-thin MEMS electrostatic actuated and variable stiffness platform for autofocus and lens stabilization in cell phone cameras.”
- **Shahrokh Valaee** of the Edward S. Rogers Sr. Department of Electrical and Computer Engineering, “Crowdsourcing for indoor location estimation.”

Three proposals for summer institutes, which bring together graduate students, post-doctoral fellows and other researchers to foster interdisciplinary collaboration and creative new research methods, were also awarded funds.

Professor **Ron Deibert** of political science and U of T’s Citizen Lab has received \$150,000 to host a series of three summer institutes called “Monitoring Internet openness and rights from a multidisciplinary perspective.”

Other winners of the summer institute award are:

- **Norman Murray** of the Canadian Institute for Theoretical Astrophysics, “International Summer Institute for Modeling in Astrophysics (ISIMA) 2014: Gravitational dynamics.”

- **Anver Emon** of Law, “The study of Islam and Muslims in the university: Pedagogies of engaging the subject.”

Both awards are part of the University’s suite of Connaught Programs and funding decisions are made based on a peer-review process. Founded in 1972, the Connaught Fund was created from the sale of Connaught Laboratories, which first mass-produced insulin, the Nobel award-winning discovery of U of T professors Frederick Banting, Charles Best, James Collip and J.J.R. Mcleod. The university has overseen the fund in the years since, awarding more than \$120 million to U of T researchers for work that will have a transformative impact. Today, the fund invests approximately \$3 million annually in emerging and established scholars.