

Awards and Honours

Faculty of Applied Science & Engineering

Drew Cheung (EngSci 1T0, CivE MASc candidate) was presented with the Teaching Assistant Award. Cheung is a teaching assistant in three Civil Engineering courses and is known to his students as a mentor with commitment to student success.

Professor **Milica Radisic**, appointed to the Institute of Biomaterials & Biomedical Engineering and the Department of Chemical Engineering & Applied Chemistry, received the Young Engineer Achievement Award. The award honours contributions of Canadian engineers to their profession, community, and the safety and well-being of Canadians. A leader in the field of tissue engineering and regenerative medicine, Radisic has achieved international recognition for developing patches of engineered tissue that mimic a beating heart.

Professor **Jonathan Rose** (ECE) was honoured with the Faculty Teaching Award. Rose has been one of the Faculty's most dedicated and effective teachers. He's particularly known for his emphasis on the teaching of design and his long record of innovation in labs and design courses. He is extremely popular with students and is highly-sought after as a supervisor and mentor. Professor Rose has received the departmental teaching award four times and continually receives some of the highest student evaluation scores in the Faculty.

Lecturer **Micah Stickel** (ECE) received the Early Career Teaching Award. He is known as an innovator in the classroom, incorporating tablets into his lectures and creating online assignments and quizzes. In addition, he is also engaged in scholarly work to quantify the impact of new technologies in teaching, publishing three papers on the subject.

Faculty of Arts & Science

The Canadian Association of Physicists (CAP) has awarded Department of Physics Senior Lecturer Emeritus **David Harrison** the 2012 CAP Medal for Excellence in Teaching Undergraduate Physics. The award honours faculty members who have a deep understanding of their subject and possess an exceptional ability to communicate their knowledge in such a way as to lead their students to high academic achievement. Harrison was cited for leadership and innovation in introducing research-based pedagogical techniques to his courses, and for significant contributions to both the on-line physics teaching community and the Ontario Association of Physics Teachers.

University Professor **Barbara Sherwood Lollar**, Earth Sciences, has won the ENI Prize for Protection of the Environment. This award is one of the largest, most high profile environmental awards in the world. The award presentation will take place in Rome on June 15, where Sherwood Lollar will receive her award from the President of Italy.

Professor **Keren Rice** - one of the world's most distinguished linguists and an international leader in the empirical study of Aboriginal languages - has received the prestigious Molson Prize in the humanities and social sciences. The \$50,000 prize recognizes outstanding lifetime achievements and ongoing contributions to the cultural and intellectual life of Canada. Rice received the award for her work to sustain, revitalize and document Canada's Aboriginal languages.

Faculty of Medicine

Dr. **Isabella Caniggia**, Dept. of Obstetrics and Gynaecology, and a Principal Investigator at the Samuel Lunenfeld Research Institute of Mount Sinai Hospital, has received a National Bank Business Excellence Award - presented on behalf of the Italian Chamber of Commerce - in recognition of her fundamental contributions to women's and infants' health research. A Lunenfeld scientist since 1994, Dr. Caniggia is a leading authority on placental development and pre-eclampsia.

Dr. **David Goldbloom** (Professor of Psychiatry and Centre for Addiction and Mental Health) was presented with Her Majesty's Diamond Jubilee Medal by the Right Honourable David Johnston, Governor General of Canada. The new Diamond Jubilee commemorative medal was created to mark the 2012 celebrations of the 60th anniversary of Her Majesty Queen Elizabeth's accession to the Throne as Queen of Canada. The Medal is a tangible way for Canada to honour Her Majesty for her service to this country and also serves to honour significant contributions and achievements by Canadians.

Professor **Shana Kelley**, Dept. of Biochemistry, received a 2012 ORION Leadership Award, recognizing innovation leadership in Ontario's e-Infrastructure, Higher Education and the K-12 sectors. Awarded by the Ontario Research and Innovation Optical Network (ORION), the prize recognizes Kelley for her research group's development of new sensors and probes for the detection and diagnosis of disease and the study of biological function.

Faculty of Medicine

The Royal Society of Chemists has awarded Professor **Lewis Kay** the 2012 Khorani Prize, a biennial distinction which recognizes research spanning chemistry and life science. Kay was acknowledged for his research on new approaches to nuclear magnetic resonance spectroscopy, which have provided a better understanding of protein structure, dynamics and biological function. Kay is a Professor in the Departments of Biochemistry and Molecular Genetics.

Dr. **Gary Rodin** (Professor of Psychiatry and University Health Network) has been awarded the Lifetime Achievement Award from the Canadian Association of Psychosocial Oncology (CAPO) for his exceptional and enduring career contributions to psychosocial oncology. Dr. Rodin's achievements include pioneering the world-renowned fully-integrated program of Psychosocial Oncology and Palliative Care (POPC). At Princess Margaret Hospital, Dr. Rodin leads a research team focused on the investigation and treatment of the psychological consequences of metastatic and advanced disease.

Dr. **Martin Schreiber** (Dept. of Medicine and St. Michael's Hospital) has been chosen to receive the 2012 OMA Advocate for Students Award. This award is presented each year to the individual who has made outstanding contributions to Ontario's medical students based on district submissions to the OMA Board of Directors. Dr. Schreiber will receive this important award at a meeting of the OMA in May.

Dr. **Arthur Slutsky**, Dept. of Medicine and Vice-President Research at St. Michael's Hospital, is the 2012 recipient of the American Thoracic Society Assembly on Critical Care Lifetime Achievement Award. This prestigious award is given annually to a leading international critical care academic clinician for contributions to research, patient care and the American Thoracic Society. Dr. Slutsky's major research interests relate to lung injury caused by mechanical ventilation, and his work has had a major impact across the field.

Faculty of Medicine

Dr. **Charles Tator** (Professor of Neurosurgery and University Health Network) and Dr. **Michael Fehlings** (Professor of Neurosurgery and University Health Network) have been awarded the Reeve-Irvine Research Medal for Spinal Cord Injury Research. The Medal recognizes an individual, or individuals, who have made highly meritorious scientific contributions in the area of spinal cord repair, and whose research has stood the test of time and scrutiny. Founded by Joan Irvine Smith in honour of Christopher Reeve, this is the first time the Medal has been presented to a University of Toronto team. The award will be presented at the University of California at Irvine in May.

Prof. **Mladen Vranic** (Physiology) will be receiving the Queen Elizabeth II Diamond Jubilee Medal on June 18, 2012 at Roy Thompson Hall, Toronto. This medal was created to mark the 60th Anniversary of Her Majesty's accession to the throne and is given for significant achievement and remarkable service.

Munk School of Global Affairs

Prof. **Janice Gross Stein** was awarded an Honorary Doctorate by the Hebrew University of Jerusalem at a ceremony held in Jerusalem on June 10. As a scholar specializing in conflict resolution, Janice Gross Stein has forged strong ties between the Hebrew University of Jerusalem and the University of Toronto. Prof. Gross Stein's work has directly contributed to Canadians' understanding of politics and life in the Middle East.

UTM

U of T Mississauga history professor and coordinator of the Women and Gender Studies (WGS) program, **Joan Simalchik** has won the 2012 Ludwik and Estelle Jus Memorial Human Rights Prize. Established in 1995 in memory of two Polish educators who risked their lives to save Jews during the Holocaust, this award recognizes Simalchik's positive and lasting contributions to education and action against discrimination.

Awards Received Across Multiple Faculties

The second annual Inventors of the Year Awards competition recognized the work of 15 U of T innovators at a ceremony on June 7 in the Banting and Best Innovation Hub on College Street. The awards are broken down into three categories. The 2012 Inventors of the Year are:

Biomedical and Life Sciences

J. Stewart Aitchison, Edward S. Rogers Sr. Department of Electrical and Computing Engineering; co-inventor **James Dou**

Sachdev Sidhu, Banting and Best Department of Medical Research

Peter Zandstra, Institute for Biomaterials and Biomedical Engineering; Department of Chemical Engineering and Applied Chemistry

Peter McCourt, Cell and Systems Biology

Engineering and Physical Sciences

Eugenia Kumacheva, Department of Chemistry

Aleksandar Prodic, Edward S. Rogers Sr. Department of Electrical and Computer Engineering

Aaron Wheeler, Department of Chemistry

Information and Communication, Technology, Social Sciences and Humanities

Tom Chau, Institute of Biomaterials and Biomedical Engineering; Bloorview Research Institute

Eyal de Lara & Michael Brudno, Department of Computer Sciences; co-inventors

Andres Lagar-Cavilla, Adin Scannell, Joseph Whitney

Dimitrios Hatzinakos, Edward S. Rogers Sr. Department of Electrical and Computer Engineering

Assistant Professor **Greg Wells** has received a New Researcher Award from the University of Toronto's **Connaught Fund**. The award fosters excellence among assistant professors within the first five years of their appointment at the university, helping them establish a strong research program. Wells is joined by 66 other researchers from across the university awarded grants totalling just over \$1.1 million: The winners of the 2011-12 Connaught New Researcher Awards are:

Humanities

- » **Ruoyun Bai**, UTSC humanities, "Media scandals in China."
- » **Katherine Blouin**, UTSC humanities, "Living on the edges: Cultural landscapes in the eastern Nile delta during Hellenistic and Roman times."
- » **Zeynep Celik**, architecture, "An epistemological history of aesthetic modernism: Psychophysics at the Bauhaus."
- » **Vincent Chiao**, law, "What is the criminal law? Intention, permissibility and punishment."
- » **Barry Freeman**, UTSC theatre and performance studies, "Theatre and global ethics: Performing alternative globalization in Toronto."
- » **Alan Galey**, information, "Visualizing variation in the history of the book: A code library for digital humanities interface design."
- » **Karolina Hübner**, UTSC philosophy, "Spinoza and Idealism."
- » **Katherine R. Larson**, UTSC English, "The singing body in early modern England."
- » **Robert McGill**, English, "The Vietnam War and the language of Canadian nationalism."
- » **William Nelson**, UTSC Humanities, "Eugenics and the Enlightenment politics of life."
- » **Dragana Obradovic**, Slavic languages and literatures, "The literary dissolution of Yugoslavia."
- » **Lawrence Switzky**, UTM English and drama, "The rise of the director: Negotiations with the material world."
- » **David Francis Taylor**, UTM English and drama, "Theatrical politics: Staging power in graphic satire, 1737-1837."

Life Sciences

- » **Judith Andersen**, UTM psychology, "A randomized controlled trial testing the efficacy of brief interventions to reduce cognitive and physiological responses among individuals high in test anxiety."
- » **Amy Caudy**, medical research, "Metabolomic profiling of the cell cycle."
- » **Julie Claycomb**, molecular genetics, "Investigating the link between germ granules and small RNA silencing pathways."
- » **Carolyn Cummins**, pharmacy, "Role of ARGLU1 in bridging transcriptional activation with alternative splicing."
- » **Barbara Gibson**, physical therapy, "Therapists' beliefs regarding the value of walking: Implications for physical rehabilitation with children with cerebral palsy."
- » **Benjamin Gilbert**, ecology and evolutionary biology, "Global change and species diversity: Testing the importance of temperature and ecological drift."

- » **Melissa M. Holmes**, UTM psychology, “Social control of gene expression in the mammalian brain.”
- » **Rutsuko Ito**, UTSC psychology, “Neural circuitries underlying approach-avoidance conflict resolution.”
- » **Marc Johnson**, UTM biology, “Genomic and phenotypic consequences of asexual reproduction in plants: An interdisciplinary approach.”
- » **Junchul Kim**, psychology, “Genetic control of ventral hippocampal parvalbumin neurons in mice.”
- » **Jeffrey Lee**, laboratory medicine and pathobiology, “Development of novel technologies for the expression of human and viral proteins.”
- » **Doris Leung**, nursing, “The intensive care environment as the social context for decision-making for patients with chronic critical illness: A critical realist review.”
- » **Tara Moriarty**, dentistry, “Visualizing the mechanisms underlying periodontal disease.”
- » **Sergio Peisajovich**, cell and systems biology, “The relationship between natural genetic variation and disease.”
- » **Martine Puts**, nursing, “A systematic review of factors influencing cancer treatment adherence in older adults with cancer.”
- » **Bebhinn Treanor**, UTSC biological sciences, “The role of novel ion channel TRPM7 in B cell activation.”
- » **Kenneth Welch**, UTSC biological sciences, “Automated tracking of energy balance in wild hummingbirds.”
- » **Greg Wells**, kinesiology and physical education, “The pathophysiology of exercise intolerance in patients with chronic disease and defining new mechanisms for treatment.”

Physical Sciences & Engineering

- » **Azadeh Farzan**, computer science, “Scalable analysis of concurrent software.”
- » **Timothy Chan**, mechanical and industrial engineering, “Inverse optimization for radiation therapy of prostate cancer.”
- » **Florian Herzig**, mathematics, “Generalisations of Serre’s conjecture and p-adic Langlands.”
- » **Oh-Sung Kwon**, civil engineering, “Design of a ten-element hybrid simulator for the seismic simulation of multi-storey buildings.”
- » **Liat Margolis**, architecture, “Integrated green roof and solar photovoltaic technologies.”
- » **Alison McGuigan**, chemical engineering and applied chemistry, “Development of a 2-dimensional high-speed experimental system to analyze cellular mixing and infiltration for regenerative medicine applications.”
- » **Oya Mercan**, civil engineering, “Vibration control of wind turbine towers.”
- » **Joshua Milstein**, UTM chemical and physical sciences, “Connecting DNA dynamics to gene expression one molecule at a time.”
- » **Carl Mitchell**, UTSC physical and environmental sciences, “Peatland mercury cycling in a changing climate: A large-scale field manipulation study.”
- » **Arun Ramchandran**, chemical engineering and applied chemistry, “Hydrodynamic Aspects of Vesicle Adhesion.”

- » **Ruslan Salakhutdinov**, UTSC computer and mathematical sciences, “Learning hierarchical models: Theory and applications.”
- » **Bianca Schroeder**, UTSC computer and mathematical sciences, “Designing and building more reliable storage systems.”
- » **Chandra Veer Singh**, materials science and engineering, “Computer aided development of next generation energy storage materials.”
- » **Robert Young**, UTSC computer and mathematical sciences, “Quantitative and asymptotic geometry of groups and spaces.”

Social Sciences

- » **Marlys Christianson**, management, “Emergence of shared understanding during unexpected events: An example from 9/11.”
- » **Shelley Craig**, social work, “Social workers in Canadian health care: A national study of roles and positionality within interprofessional teams.”
- » **Kunal Dasgupta**, economics, “Unraveling export costs—the role of consolidation.”
- » **Girish Daswani**, UTSC social sciences, “Prayer and virtue: An ethnographic comparison of a Pentecostal prayer camp and traditional shrine in southern Ghana.”
- » **Yasmin Dawood**, law, “Legal mechanisms to control partisanship in electoral laws: A comparative study.”
- » **Shari Eli**, economics, “Black mortality in the post-bellum era: Evidence from Union army pensions.”
- » **Philip Goodman**, UTM sociology, “From stickups to roundups: Probing punishment in Canada through the lens of prison farms.”
- » **William Hurst**, UTSC social sciences, “The politics of legal institutions in China and Indonesia.”
- » **Kory Kroft**, economics, “Duration dependence and local labor market conditions: theory and evidence from a field experiment.”
- » **Chris Krupa**, UTSC social sciences, “Islands of memory in an unknown war: A cultural history of violence and its reckoning in Ecuador.”
- » **Eunjung Lee**, social work, “Understanding the production and practice of education migration in Canada.”
- » **Kevin Li**, UTM management, “The impact of changing business and litigation environment on firms’ reporting behaviour.”
- » **Nicholas Li**, UTM economics, “Price gap heterogeneity at the Canada-U.S. border.”
- » **Matthew Light**, criminology and sociolegal studies, “Police reform initiatives in the Republic of Georgia since 2003: Successes, shortcomings, lessons.”
- » **Christopher Liu**, management, “Network simulations and alternative organizational policies.”
- » **Elina Mainela-Arnold**, speech-language pathology, “Motor learning in children with varying language abilities.”
- » **Rajyashree Narayanareddy**, UTSC social sciences, “Chingaris (flames) of Bhopal: Women activists, environmental ethics and politics of hope.”
- » **Anthony Niblett**, law, “Does contract law matter? An empirical investigation into contracting relationships over time.”
- » **Markus Schafer**, sociology, “Pilot project for multi-site study of social relationships and health in Ontario retirement communities.”

- » **Neera Singh**, forestry, “The making of environmental subjects: Technologies of power and terrains of affect.”
- » **Wendy Wong**, political science, “Lost in translation? How NGOs advocate universal minority rights domestically.”
- » **Minlei Ye**, UTM management, “Audit quality and the usefulness and timeliness of loss contingency disclosures.”

NSERC Research Chairs:

Civil Engineering Professor **Ron Hofmann** has recently been named NSERC Associate Industrial Research Chair in Drinking Water. The awarding of Hofmann’s Associate Chair follows the recent re-appointment of fellow Civil Engineering Professor **Robert Andrews** as the Senior NSERC Industrial Research Chair in Drinking Water Research. The funds associated with the research chair will support funding for five to six graduate students per year as well as additional research activities. The Industrial Research Chair is supported by the Natural Sciences and Engineering Research Council of Canada (NSERC) with corporate support from General Electric, Peterborough Utilities Corporation, Lake Huron and Elgin Area Water Supply System, as well as the regional municipalities of Durham, Halton, Peel and York, and the cities of Toronto and Barrie.

Six projects led or supported by U of T researchers will benefit from more than \$3.3 million in funding announced on May 29 by the Honourable Gary Goodyear, the Federal Minister of State, Science and Technology:

Professor **Mohini Sain** (forestry) is developing hybrid biocomposite materials for use in car manufacturing.

Professor **Andrew Howard** (Surgery/Hospital for Sick Children) will investigate the cause of child fatalities in car accidents

Professor **Andrew Jardine** (Mechanical & Industrial Engineering) will explore new training strategies to help drivers operate vehicles in more fuel-efficient ways

Professor **Chul Park** (Mechanical & Industrial Engineering) will use lightweight recyclable plastics to reduce the cost of materials used to manufacture cars

Professor **James Wallace** (Mechanical & Industrial Engineering) will investigate the particulate emissions from biofuels such as ethanol

Professor **Heather Maclean** (Civil Engineering) will conduct life cycle assessments of emerging automotive technologies.

Three U of T research projects have been awarded nearly \$6.7 million from the Social Sciences and Humanities Research Council’s (SSHRC) new Partnership Grants funding program. The program supports formal collaboration among academic researchers, businesses and other partners that will advance knowledge and understanding on critical issues of intellectual, social, economic and cultural significance.

Professor **David Hulchanski** of the Factor-Inwentash Faculty of Social Work is the lead investigator on project entitled “Neighbourhood Inequality, Diversity and Change: Trends, Processes, Consequences and Policy Options for Canada’s Large Metropolitan Areas.”

Lynn McDonald of the Factor-Inwentash Faculty of Social Work, who also serves as Director of the Institute for Life Course and Aging and Scientific Director of the National Initiative for the Care of the Elderly, is the lead investigator on “Engaged Scholarship: Evaluation of Knowledge Mobilization for Older Adults in the Community.”

Professor **Timothy Harrison** of the Department of Near and Middle Eastern Civilizations is heading up a project entitled, “Computational Research on the Ancient Near East: An Archaeological Data Integration, Simulation, and 3-D Visualization Initiative,” (CRANE)