



Innovation Award: Past Winners

| Year | Winner | Department |
|-----------|--|-------------------------------------|
| 2013-2014 | Michael Thompson A true theranostic approach to medicine: tandem sensor detection and removal of endotoxin in blood | Chemistry |
| 2013-2014 | Richard Cobbold PedicProbe: Ultrasound Navigation for Spinal Fusion Surgery Accurate Insertion of Screw Implants Using 3D Ultrasound Navigation | Electrical & Computer Engineering |
| 2013-2014 | Xiao Yu Wu Development of nanoparticle formulations for targeted delivery of proteins to the brain | Pharmacy |
| 2013-2014 | Shana Kelley A microchip for the sorting and analysis of circulating tumour cells | Pharmacy |
| 2013-2014 | Yu Sun Automated probing of nanoelectronic structures inside scanning electron microscope | Mechanical & Industrial Engineering |
| 2013-2014 | Richard Hegele Repurposing of anti-cancer drug for respiratory syncytial virus (RSV) therapy and prophylaxis | Laboratory Medicine & Pathobiology |
| 2013-2014 | Li Qian High-speed on-demand quantum random number generator | Electrical & Computer Engineering |
| 2013-2014 | Joyce Poon Three dimensionally integrated electro-optic transmitters and receivers | Electrical & Computer Engineering |
| 2013-2014 | Baher Abdulhai Field Operation Testing and Commercialization of MARLIN: U of T's Latest Adaptive Traffic Signal Control Technology | Civil Engineering |

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| 2012-2013 | Ping Lee Controlled-release Nitric Oxide Delivery System for Ophthalmic Applications | Pharmacy |
| 2012-2013 | Carolyn Cummins Use of LXR antagonists to decrease glucocorticoid-induced side effects | Pharmacy |
| 2012-2013 | Pierre Sullivan Advanced Miniature Ion Mobility Spectrometry for Biomarker Identification with Integrated Sample Processing Stage | Mechanical & Industrial Engineering |
| 2012-2013 | Axel Guenther Skin Printer for Wound Dressings | Mechanical & Industrial Engineering |
| 2012-2013 | Ridha Ben Brad An ultra-thin MEMS electrostatic actuated and variable stiffness platform for autofocus and lens stabilization in cell phone cameras | Mechanical & Industrial Engineering |
| 2012-2013 | Zheng-hong Lu White Organic Light Emitting Diodes for Lighting Applications | Materials Science and Engineering |
| 2012-2013 | Shahrokh Valaei Crowdsourcing for Indoor Location Estimation | Electrical & Computer Engineering |
| 2012-2013 | Constantin Christopoulos Development of Viscoelastic Coupling Damper for Enhanced Dynamics Performance of High-Rise Buildings | Civil Engineering |
| 2012-2013 | Dwight Seferos Development of a Nanotube-Based Energy Storage Device | Chemistry |
| 2012-2013 | Adam Rosebrock Combinatorial synthesis of DNA libraries: a novel technology enabling fully customizable, rapidly deployable reagents for diagnostics, functional genomics, and gene synthesis. | Centre for Cellular & Biomolecular Research |
| 2012-2013 | Paul Yoo Novel Electrical Neuromodulation Therapy of Overactive Bladder Symptoms | Institute of Biomaterials & Biomedical Engineering |

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| 2011-2012 | Michael Glogauer Colourimetric Rinse Test to Screen for Periodontal (Gum) Disease | Dentistry |
| 2011-2012 | Howard Lipshitz Synthetic antibodies against RNA-binding proteins | Molecular Genetics |
| 2011-2012 | Yu Sun Development of an Automated Microsystem for Biophysical Measurement of Red Blood Cells | Mechanical & Industrial Engineering |
| 2011-2012 | Shahrokh Valaee Dynamic RSS Radio Map Generation for Indoor Positioning | Electrical & Computer Engineering |
| 2011-2012 | J. Stewart Aitchison Development of a portable cytometer for global health | Electrical & Computer Engineering |
| 2011-2012 | Constantin Christopoulos Development of Cast Steel Yielding Bracing Systems for the Enhanced Seismic Protection of Infrastructure | Civil Engineering |
| 2011-2012 | Dwight Seferos Development of Plastic Solar Cells | Chemistry |
| 2011-2012 | Eugenia Kumacheva An automated integrated microfluidic platform for screening of carbon dioxide | Chemistry |
| 2011-2012 | Molly Shoichet Injectable hydrogel for local delivery to the brain | Chemical Engineering & Applied Chemistry |
| 2011-2012 | Timothy Bender Precommercialization of novel compositions of matter: multifunctional organic materials for organic solar cells (electronically conductive and light absorbing boron subphthalocyanines) | Chemical Engineering & Applied Chemistry |
| 2011-2012 | Milos Popovic System and therapeutic intervention for restoration of voluntary upper limb function in individuals with severe paralysis following stroke or spinal cord injury | Institute of Biomaterials & Biomedical Engineering |

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| 2010-2011 | Milica Radisic Application of QHREDGS peptide in survival and expansion of human stem cells and their cardiovascular progeny | Institute of Biomaterials & Biomedical Engineering |
| 2010-2011 | Ning Yan Developing of NCC based antistatic coatings and conductive packaging materials as ESD protection products | Forestry |
| 2010-2011 | Yu Sun Automated Adherent Cell Microinjection | Mechanical & Industrial Engineering |
| 2010-2011 | Mansoor Barati Sedeh Development of Technology for Production of Solar Grade Silicon | Materials Science and Engineering |
| 2010-2011 | Joyce Poon Fabrication of coupling-modulated lasers | Electrical and Computer Engineering |
| 2010-2011 | Peter Lehn The Next Generation in Commercial Solar Photovoltaic System Configuration: High Voltage Bipolar DC Collector Networks with Distributed DC/DC Converts | Electrical and Computer Engineering |
| 2010-2011 | Amr Helmy Next Generation Diode Laser Products Benefiting Environmental and Biomedical Instruments | Electrical and Computer Engineering |
| 2010-2011 | Ronald Baecke Context-Aware Speech Aid | Computer Science |
| 2010-2011 | Aaron Wheeler Detection of Steroid Hormones Using Digital Microfluidics | Chemistry |
| 2010-2011 | Tom Chau Development of A Brain-Computer Interface Based on Near-Infrared Spectroscopy | Institute of Biomaterials & Biomedical Engineering |