



# York University Research Leaders

**April 2018**

# MESSAGE FROM THE PRESIDENT AND VICE-PRESIDENT RESEARCH & INNOVATION



**Rhonda L. Lenton**  
*President and Vice-Chancellor  
York University*

It is our great pleasure to acknowledge the 2017 York University Research Leaders. We are pleased to recognize these remarkable achievements of our community over the past year.

At York, research excellence and innovation are flourishing. Not yet 60, we have grown to become the third-largest university in the country, known internationally as a progressive, comprehensive, research university with many highly ranked programs.

York's vision is built on four, distinct pillars that define the University today: access, connectedness, excellence and impact. This acknowledgement is, above all, a demonstration of York's commitment to research excellence and impact. Our researchers - recognized leaders and pioneers in their fields - are deeply committed to advancing innovative research projects across the vast spectrum of disciplines for the social, economic, cultural, environmental and other well-being of society. Our distinct identity and vision is to offer a broad sociodemographic of students access to a high-quality, research-intensive university, so that our students and postdoctoral fellows enjoy the active mentorship of nationally and internationally recognized scholars in an exciting research environment bound by an unwavering commitment to research and teaching.

This recognition also exemplifies how multifaceted and diverse York's research truly is, with historic strengths across numerous fields, including strong intradisciplinary work in the humanities and social sciences; environmental studies; the arts; professional programs such as education, law and business; our French and bilingual programming; and health and science, technology, engineering and mathematics (STEM) areas.

Our connectedness, another pillar for York, is reflected in our commitment to working closely with our community partners, both locally and internationally, on innovative academic programs and research collaborations. Our Markham Centre Campus will play a key role in advancing these partnerships in the region when it opens its doors in 2021. Our researchers are working with industry, government, community groups, not-for-profits and international academic partners to create new knowledge and discoveries that accelerate the development of cutting-edge solutions to the world's most pressing scientific questions and social challenges.

Through this vital work, our researchers and scholars are fulfilling the University's mission and vision to advance academic and research excellence for the benefit of all, while at the same time helping to establish York among the country's leading research-intensive universities.

We are deeply committed to supporting our researchers and scholars, and wish to extend our warmest congratulations and best wishes to all our research leaders this year for their continued success.

Sincerely,

**Rhonda L. Lenton**, *President & Vice-Chancellor, York University*  
**Robert Haché**, *Vice-President Research & Innovation, York University*



**Robert Haché**  
*Vice-President  
Research & Innovation  
York University*

# YORK UNIVERSITY RESEARCH LEADERS AND BOOK PRIZE WINNERS 2017

## FACULTY OF EDUCATION

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**Deborah Britzman** was awarded a **Tier 1 York Research Chair in Pedagogy and Psycho-Social Transformations**. Britzman's research concerns the histories of psychoanalysis with education. Best known for her formulation of "difficult knowledge," her current research investigates social toleration, the notion of the social bond and mental health. A Distinguished Research Professor, Fellow of the Royal Society of Canada and a Psychoanalyst, she is the author of 100 articles and eight books, the most recent publication being *Melanie Klein: Early Analysis, Play, and the Question of Freedom* (Springer, 2016).



**Stephen Gaetz** is being recognized for securing funding from the **Government of Canada's Skills Link Program** for a project called "Making the Shift - A Youth Homelessness Social Innovation Lab." This will help young people in Ontario and Alberta who are homeless, or in danger of becoming homeless, get the education, job skills, work experience and training they need. The project will be delivered through a partnership between national leaders on homelessness prevention including A Way Home Canada, the Canadian Observatory on Homelessness at York and the MaRS Centre for Impact Investing.



**Heather Lotherington** has been awarded the 2016 **Gordon and Jean Southam Fellowship** to conduct research at Curtin University in Australia. The award is one of the prestigious Titular Fellowships that the Association of Commonwealth Universities provides to academics from various disciplines to visit prominent institutions across the Commonwealth. Lotherington's research focuses on language, literacy and technology in superdiverse social contexts. She is particularly interested in how emerging digitally mediated multimodal forms of communication are changing educational practice in mobile contexts.





**Naomi Norquay** was awarded the **Hugh A. Taylor Prize** for archival imagination by the Association of Canadian Archivists, for “An Accidental Archive of the Old Durham Road: Reclaiming a Black Pioneer Settlement.” The prize is awarded annually to the author of the *Archivaria* article that presents new ideas or refreshing syntheses in the most imaginative way, especially by exploring the implications of concepts or trends from other disciplines for archival thinking and activity, and by extending the boundaries of archival theory in new directions.



**Aparna Mishra Tarc** was awarded the prestigious **2017 American Educational Research Association (AERA) Division B Outstanding Book Award** for her book *Literacy of the Other*. This publication explores a bold psychoanalytical investigation into the existential significance of literacy. Featuring an array of novel artifacts and events, it situates literacy in the internal fictive worlds of the self and other. This approach is designed to encourage teachers of language and literature to sustain reflexive thought in their practices of reading and writing as a means of gaining insight into the physical processes of literacy.

## FACULTY OF ENVIRONMENTAL STUDIES





**Ellie Perkins** was awarded a grant in the **Queen Elizabeth II Diamond Jubilee Advanced Scholars Program** for her project "Ecological Economics, Commons Governance, and Climate Justice." This grant aims to acknowledge and help support the research of doctoral, post-doctoral and early career scholars from low- and middle-income countries who are researching topics related to climate justice, commons governance and/or ecological economics. It also serves to strengthen the ability of the recipients' home universities to support experiential education in collaboration with civil society partners.

## FACULTY OF HEALTH

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**Yvonne Bohr** was awarded a major **Canadian Institutes for Health Research (CIHR) grant** for her project “Making I-SPARX fly in Nunavut,” which investigates the use of an award-winning computer program in a cognitive behavioural therapy (CBT) intervention designed to support Inuit adolescents. The project strives to enhance resiliency by empowering youth who are at risk for depression. It evaluates a holistic, multi-generational intervention that brings together CBT, emotion regulation support, culture identity and community processes.



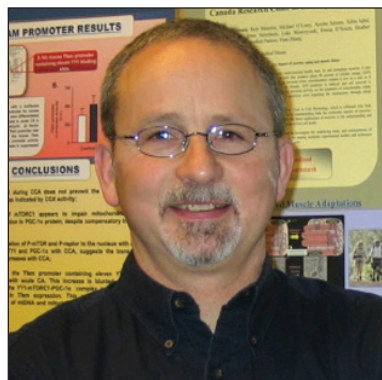
**Joel Katz** was recognized as a **Distinguished Research Professor** in 2017. Katz, a Tier 1 Canada Research Chair in Health Psychology, was also inducted into the Canadian Academy of Health Sciences and is the inaugural Editor-in-Chief of the *Canadian Journal of Pain*, the official journal of the Canadian Pain Society. His research focuses on risk and protective factors for chronic pain in children and adults.



**Laurence Harris** was awarded a **Tier 1 York Research Chair in Multisensory Integration**. Harris investigates how we integrate information from our different senses to create the perception of our own body, and our sense of position and movement in the world. He is the Director of the Centre for Vision Research at York, an international leader in biological and perceptual vision research, and a core member of the Vision: Science to Applications (VISTA) program.



**Alexandra Rutherford** has won the **Distinguished Service Award** from the Society for the Psychological Study of Social Issues. This Society seeks to bring theory and practice into focus on human problems of the group, the community and nations. Rutherford is also one of the two editors the book **125 Years of the American Psychological Association** (American Psychological Association, 2017). This volume demonstrates how the Association has evolved over the years in response to intellectual, cultural, political, economic and other historical developments.



**David Hood** was awarded a **Canadian Institutes of Health Research (CIHR) Project Grant** for his project “Mitophagy and lysosomal biogenesis in aging skeletal muscle.” Hood is a Tier 1 Canada Research Chair in Cell Physiology and the Director of the Muscle Health Research Centre at York. This Centre provides a focused research emphasis on the importance of skeletal muscle to the overall health and well-being of Canadians.

## FACULTY OF LIBERAL ARTS & PROFESSIONAL STUDIES



**Kristin Andrews** was awarded a **Tier 2 York Research Chair in Animal Minds**. Andrews' interests are in animal and child social cognition and moral development. She has worked with dolphins in Hawaii and orangutans in Borneo. Her research area is in the philosophy of psychology. Her first book, *Do Apes Read Minds?* was published by MIT Press in 2012. Three years later, she was elected into the Royal Society of Canada College of New Scholars.



**Uzo Anucha** renewed a multi-million-dollar contract with the Ministry of Children and Youth Services for the Youth Research and Evaluation eXchange (**YouthREX**), a provincial project whose mandate is to make research evidence and evaluation practices accessible and relevant to Ontario's youth sector through capacity building, knowledge mobilization, and evaluation leadership. Anucha's community-engaged scholarship seeks to bridge the gap between knowledge production and knowledge use by translating and disseminating research findings to end users (policy-makers and practitioners) using multiple channels.



**Isabella Bakker** was awarded a **Fulbright Visiting Research Chair** at the University of California, Santa Barbara, Program in Global and International Studies. Bakker is a Tier 1 York Research Chair in Global Economic Governance, Gender and Human Rights. Her research places a critical lens on global economic policy and governance practices. She is also examining health, education and welfare policies in the aftermath of the 2008 global financial crisis with the central aim of supporting the development of progressive, human-centred economic theories and policies.





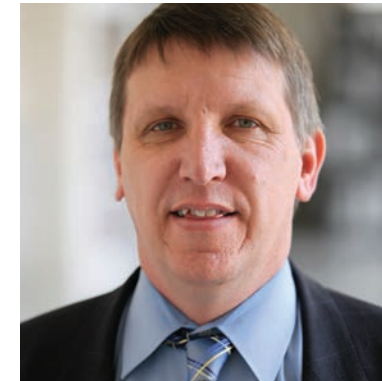
**Lily Cho** was awarded the **York-Massey Fellowship** for 2017-2018. Cho's research focuses on diaspora within the fields of cultural studies, postcolonial literature and theory, and Asian North American and Canadian literature. She explores the relationship between citizenship, photography and anticipation. During this fellowship, Cho will complete work on her Social Sciences & Humanities Research Council of Canada (SSHRC)-funded project, "Mass Capture: the Chinese head tax and the making of non-citizens in Canada." This project examines the relationship between surveillance and the production of non-citizen subjects by examining an extraordinary archive of over 40,000 head tax photographs.



**Caroline Shenaz Hossein** was awarded **W.E.B. DuBois Distinguished Book Award** by the National Conference of Black Political Scientists for her book, *Politicized Microfinance: Money, Power, and Violence in the Black Americas* (University of Toronto Press, 2016). Hossein's analysis offers multiple solutions that prioritize the needs of historically oppressed people of African descent in business and society. She received the 2017 Helen Potter Award for best journal article in the *Review of Social Economy* and received a Social Sciences & Humanities Research Council of Canada (SSHRC) Insight Development Grant for "African Origins in the Social Economy."



**Jonathan Edmondson** was recognized as a **Distinguished Research Professor** in 2017. The nomination for Edmondson offers high praise for the international impact of his prolific, original scholarly research, his contributions to the development of young scholars and his reputation as a good citizen of the University. Edmondson's research interests are in Roman History, particularly in the society, economy and culture of Roman Spain from the late Iron Age to the late Roman Empire; Roman epigraphy, especially of the Roman Empire; gladiators in Roman society; the Roman family; and Greco-Roman historiography.



**Lesley A. Jacobs** was elected to the **Royal Society of Canada Division of Social Sciences**. He is professor and director of the Institute for Social Research at York where he teaches political science and law and society, as well as in the graduate program of Law at Osgoode Hall Law School and the graduate program in socio-legal studies. He is appointed a Tier 1 York Research Chair in Human Rights an Access to Justice. His research chair is focused on establishing an innovative Access to Justice Research Lab.



**Richard C. Hoffmann** was elected to the **Royal Society of Canada Division of Humanities**. Through his internationally renowned, prize-winning and pioneering scholarship; his mentoring of emerging scholars; and his networking and organizational activities, Hoffmann has built the environmental history of premodern Europe. His collaboration with Austrian aquatic ecologists had an impact on public policy regarding the protection and management of indigenous fish species in several European countries.



**Kamala Kempadoo** won the **Distinguished Scientific Achievement Award** from the Society for the Scientific Study of Sexuality. This award recognizes professionals who have made outstanding contributions to the field of sexology. It is presented to honor scientific contributions as reflected in such professional activities as research, education or therapy. Kempadoo's areas of specialization are transnational and Caribbean feminisms, human trafficking discourses, studies of sexual labour-economic relations, Black studies, Caribbean studies, and gender and development.





**Jennifer Korosi** was awarded **Petro-Canada Young Innovators Award**. This award recognizes, promotes and supports outstanding and innovative emerging researchers whose work contributes significantly to the training environment of the University and has an impact on society at large. Korosi's research examines how human activities drive ecological and biogeochemical change in aquatic ecosystems, to study recent aquatic ecosystem change over the context of the last several hundred years. She works in both temperate and high latitude regions throughout Canada, and has a strong focus in the Northwest Territories.



**Marcel Martel** was elected to the **Royal Society of Canada Division des Lettres et Sciences Humaines**. He is a renowned historian whose research on collective memory, identity formation and French Canada has redefined the traditional boundaries of these fields. He is the recipient of numerous awards, and holds the prestigious Avie Bennett Historica Canada Chair in Canadian History at York University. Martel publishes original scholarship in both French and English and his research is widely recognized for both its quality and impact on public policy.



**Nikita Lary** won the **American Association of Teachers of Slavic and East European Languages Prize** for best scholarly translation. Lary, with Jay Leyda and Alexander Medvedkin, produced *The Alexander Medvedkin Reader* (University of Chicago Press, 2017). Medvedkin's signal achievement was his series of Kino-Train documentaries. With his film crew in 1931, he travelled to collectivized farms and factories, and made interactive films in which agricultural or industrial workers contributed to script writing and acting, then viewed the film and participated in the discussion of production obstacles identified in it. Each film exercise was completed in just three days.



**Karen Bridget Murray** was awarded the **Killam Visiting Professorship in Canadian Studies** at Bridgewater State University, Massachusetts – the only endowed chair in Canadian Studies at a public university in the United States. Focusing on Canada as a terrain of interconnected colonial, global and transnational dynamics, Murray's research evaluates and theorizes changing norms and forms of modernity, and the political and governmental ramifications of these transformations, both as they pertain to intersectional fields of race, class and gender in cities, as well as how they relate to the residential school system.



**Bernard Lightman** won **Choice Magazine's Outstanding Academic Title** book prize for *Science Museums in Transition: Anglo-American Cultures of Display in the 19th Century*, edited by Lightman and Carin Berkowitz (University of Pittsburgh Press, 2017). Lightman has published widely in the area of cultural history of Victorian science. Elected as Fellow of the Royal Society of Canada in 2011, Lightman was also elected President of the History of Science Society for 2018-2019.



**David McNab** was elected to the **Royal Society of Canada Division of Humanities**. He is a renowned Métis historian and a leading authority in Canada's movement to Reconciliation. His significant and innovative research on Indigenous Treaties, Indigenous land and resource issues in Canada is facilitating substantial return of land and resources or fair value compensation to Indigenous people by governments. A prodigiously prolific scholar, his acclaimed scholarly publications and technical reports promote First Nations' and Métis' stories in Canada's narratives.



**Linda Peake** is the Principal Investigator for a major **Social Sciences & Humanities Research Council of Canada (SSHRC) Partnership Grant** focused on “Urbanization, gender and the global south: a transformative knowledge network.” The project team will conduct research and engage in public education and policy enrichment in seven strategically chosen cities in lower middle-income countries [Cairo, Cochabamba, Georgetown (Guyana), Ibadan, Mumbai, Ramallah, and Shanghai] to advance understanding of how the relationship between poverty and inequality is being transformed, focusing on how this is reconstituting gender relations and women’s right to the city.

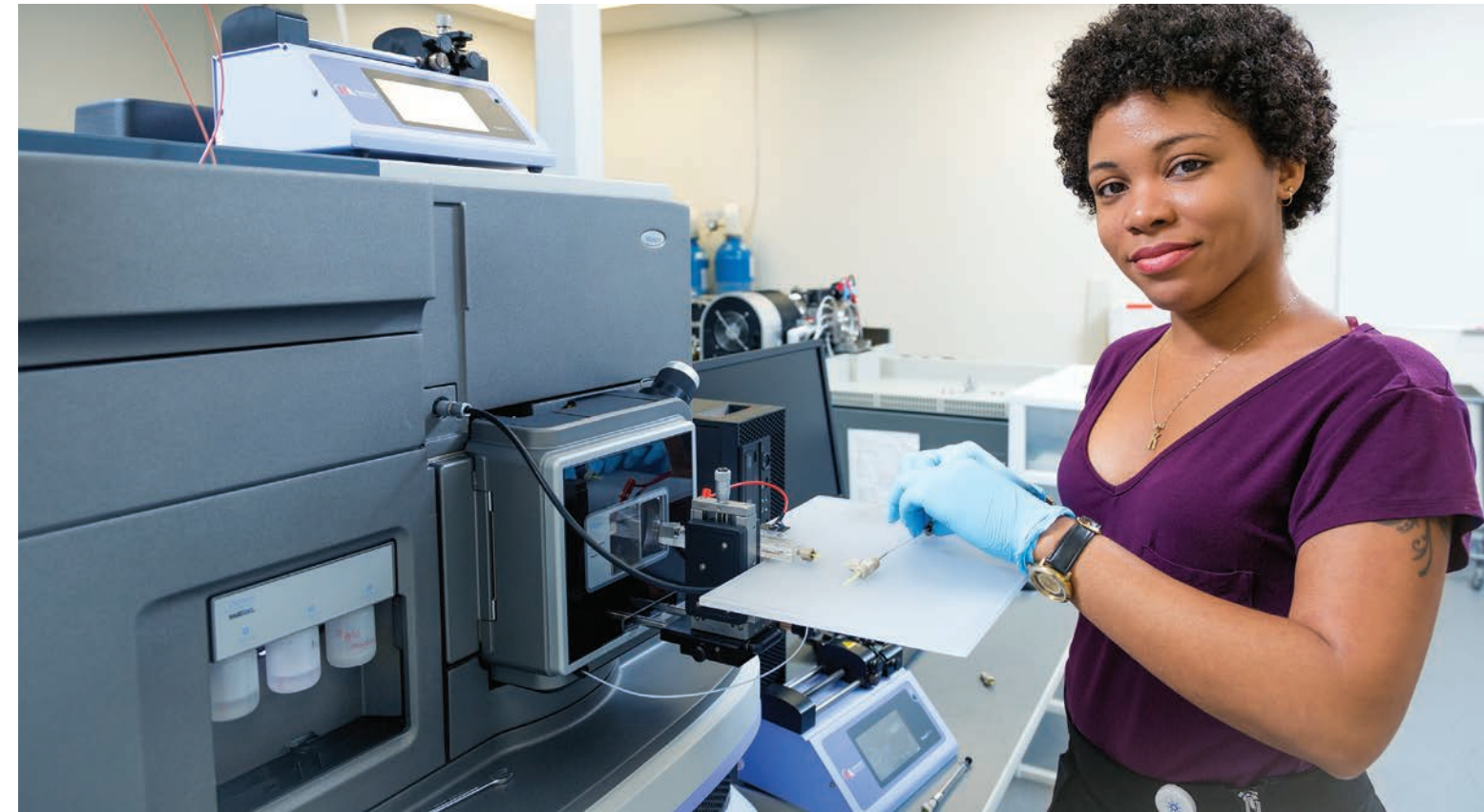


**Alicia Turner** was awarded the **Robert H. N. Ho Family Foundation Research Fellowship** in Buddhist Studies for her book project that charts a genealogy of religious intolerance in Myanmar, from the colonial period to the present. The book starts from the realities that democracy has failed to deliver peace and pluralism and Buddhist nationalism continues to produce violence against minorities. It then considers how the practices of colonial secularism reified categories of religious difference and how other Buddhist projects built bridges across such divides.



**Deanne Williams** was inducted to the **Royal Society of Canada College of New Scholars, Artists, and Scientists**. Specializing in medieval and Renaissance literature, she is recognized internationally for her pioneering work on Renaissance girlhood, including her recent book *Shakespeare and the Performance of Girlhood* (2014). She established her reputation early with her prize-winning *The French Fetish from Chaucer to Shakespeare* (2004), which considers the impact of the Norman Conquest on the culture of medieval and Renaissance England. She is currently at work on a study of medieval and early modern Girl Culture.

## FACULTY OF SCIENCE







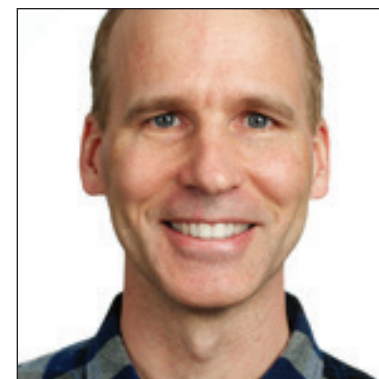
**Peter Backx** was awarded a major grant from the **Canadian Institute for Health Research (CIHR)** for his project “Uncovering the mechanisms of atrial fibrillation using lessons from the adverse atrial remodeling induced by intense exercise.” It explores relationships between heart health and age, heart disease and exercise. His work will identify the molecular and cellular mechanisms leading broadly to Atrial fibrillation (AF) thereby allowing the identification of novel approaches for treating and preventing AF. Backx is a Tier 1 Canada Research Chair in Cardiovascular Biology.



**Paul Delaney** received the **2017 Klumpke-Roberts Award** from the Astronomical Society of the Pacific, joining an illustrious group of past recipients including Carl Sagan, Isaac Asimov and Helen Sawyer Hogg. The award recognizes his outstanding contributions to the public understanding and appreciation of astronomy. Delaney is one of Canada’s most dedicated astronomy enthusiasts. His media presence with broadcast television and radio in Canada, as well as the Discovery Channel’s “Daily Planet,” have made him the go-to guy when Canada needs an authoritative voice around the heavens.



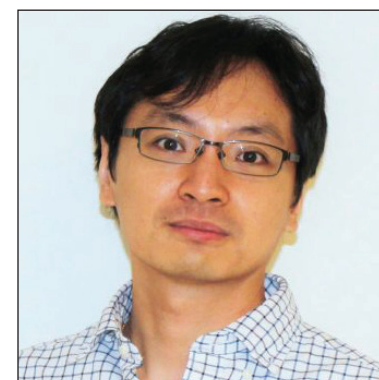
**Thomas Baumgartner** was awarded **Tier 1 Canada Research Chair in Sustainable Organomaterial Group Materials**. Baumgartner’s research, focused on the design of novel materials that can be used to lower the anthropogenic carbon footprint, will provide knowledge crucial to the development of next-generation technologies for a sustainable future. His program targets energy-focused topics by addressing the efficient and sustainable use, conversion and/or storage of energy. His research also considers the design of strongly luminescent species and their application as biomarkers and sensors for a variety of cellular processes.



**Eric Hessels** was awarded **Tier 1 York Research Chair in Atomic Physics**. He is part of a collaboration whose goal is to hold antihydrogen (the antimatter version of the hydrogen atoms) in a magnetic trap and use them to conduct precise tests of the symmetries and physics of antimatter. He is also working on using precision measurements of atomic helium to make a three-part-per-billion determination of the fine-structure constant and a precise measurement in atomic hydrogen to determine the size of the proton.



**Christopher Caputo** was awarded **Tier 2 Canada Research Chair in Metal-Free Materials for Catalysis**. Many chemical reactions that generate desirable products or energy are not favourable under ambient conditions. To overcome this, catalysts are routinely used to lower the activation barrier of these reactions. However, many catalysts are derived from precious and expensive transition metals. Caputo’s research targets new, low cost materials derived from readily available main-group elements to develop next-generation Lewis acidic materials to replace traditional catalysts.



**Raymond Kwong** was awarded **Tier 2 Canada Research Chair in Environmental Toxicology**. His research examines the molecular and physiological effects of environmental stressors (e.g., anthropogenic and natural stressors), and the fundamental mechanisms regulating homeostatic processes in fish. The research, integrating environmental toxicology, molecular physiology and functional genetics, will advance understanding of the mechanisms of toxic action, animal function and physiological responses to contaminants. This information is critical for improving environmental risk assessment and monitoring, and for identifying sensitive biomarkers in the evaluation of aquatic health in contaminated waters.



**John McDermott** has had his appointment as **McLaughlin Research Chair** in the Faculty of Science, renewed for a second five-year term. The Chair, funded by the McLaughlin Foundation, supports world-class life sciences research within the Faculty. McDermott's research focuses on the mechanisms that cause a simple cell to become more specialized. This work is primarily undertaken using cardiac, skeletal and smooth muscle cells and neurons as model systems, and it is aimed at understanding the role of specialized proteins that bind to DNA to orchestrate gene expression.



**Gary Sweeney** received a **Mid-Career Investigator Award** from the Heart and Stroke Foundation of Canada to explore the mechanisms of heart failure. About 600,000 Canadians are living with heart failure, and the disease is only expected to rise as more people survive heart attacks and continue to live longer. Sweeney's research is focused on understanding the role of two hormones in the development and progression of heart failure. He will explore two hypotheses related to how adiponectin might be protecting the heart: by stimulating an intracellular degradation process that maintains cellular homeostasis, or by attenuating inflammation.



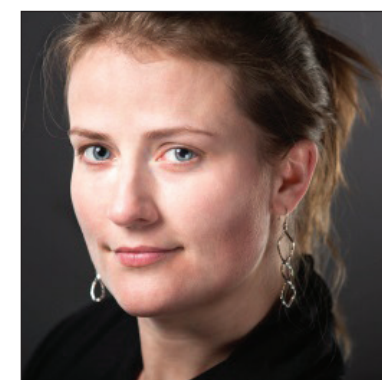
**Chun Peng** was awarded a major grant from the **Canadian Institute for Health Research (CIHR)** to execute her project, "MicroRNA-218s and their regulated signaling networks in placental development and preeclampsia." Preeclampsia (PE) is a major disorder of human pregnancy, characterized by high blood pressure and presence of proteins in the urine. It is the leading cause of maternal death and stillbirth. Peng is a Tier 1 York Research Chair in Women's Reproductive Health.



**Jianhong Wu** was awarded a major **Natural Sciences and Engineering Research Council of Canada (NSERC)/Sanofi Industrial Research Chair in Vaccine Mathematics, Modelling and Manufacturing**. Wu, who is also a Tier 1 Canada Research Chair in Industrial and Applied Mathematics, founded York's Centre for Disease Modelling, which has developed many international partnerships. The Industrial Research Chair project will leverage his Laboratory for Industrial and Applied Mathematics and York's Advanced Disaster, Emergency and Rapid Response Simulation facilities to build a unique industrial-academic-public partnership. The partnership will develop mathematical technologies to inform vaccination production priority and immunization program design.



**Sapna Sharma** was awarded **Tier 2 York Research Chair in Global Change Biology**. She was also awarded an **Early Researcher Award** from the Ministry of Research, Innovation and Science; and the **Best in Science Award** from the Ontario Ministry of Environment and Climate Change. Sharma is interested in predicting the effects of environmental stressors, such as climate change, invasive species, land use change and habitat alteration, on ecosystems and improving the use of quantitative approaches used to generate these predictions.



**Cora Young** was recruited and appointed new **Guy Warwick Rogers Chair in Chemistry**. The Rogers Chair was created as an endowment to support faculty research in the Department of Chemistry. Young, who previously held a faculty position at Memorial University of Newfoundland since 2012, conducts research on environmental chemistry, using state-of-the-science analytical techniques to characterize chemicals, their sources, and their fates in the environment.



## GLENDON

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**Jean Michel Montsion** was named a **Distinguished Fellow** in the Asia Pacific Foundation of Canada (APF). APF Canada is a not-for-profit organization focused on Canada's relations with Asia. Its mission is to be Canada's catalyst for engagement with Asia and Asia's bridge to Canada. Montsion's work is framed at the intersection of ethnicity, mobility and urbanity; and highlights the role of ethnic, dialect-based and community politics at the local, transnational and international levels.



**Gerald Young** was awarded **Fellowship** status in both the Association for Psychological Science and the American Psychological Association (APA). He has received awards from both the APA and the Canadian Psychological Association. Young is Editor-in-Chief of the journal *Psychological Injury and Law*, which he founded. He also publishes in psychological, psychiatric, medical and law journals. His most recent book is *Revising the APA Ethics Code* (Springer, 2017). He has appeared as an expert witness for a case involving the Supreme Court of Canada. His practice covers rehabilitation and families.



## LASSONDE SCHOOL OF ENGINEERING

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**James Elder** secured a major grant from the **Ontario Research Fund (Research Excellence Program)** for the Intelligent Systems for Sustainable Urban Mobility project, in collaboration with private sector partners and the University of Waterloo. This project will research and develop new technologies for sensing, analyzing, simulating and visualizing diverse forms of traffic within the urban environment. This research will help Ontarians, from creating opportunities for industry partners and start-ups, leading to growth and jobs; to more effective sustainable urban design and management. Elder, Tier 1 York Research Chair in Human and Computer Vision, is jointly appointed to the Faculty of Health.



**Hossein Kassiri** was awarded the **Jack Kilby Outstanding Paper Award** by IEEE International Solid-State Circuits Conference (ISSCC) for his paper "All-wireless 64-channel 0.013 mm<sup>2</sup>/ch closed-loop neurostimulator with rail-to-rail DC offset removal." Previous winners of this award are exclusively from the Massachusetts Institute of Technology/MIT, Stanford University and the University of California Berkeley. This is the first time the award was given to a researcher at a Canadian university. Kassiri is an Assistant Professor in the EECS department and the director of the Integrated Circuits and Systems Lab.





**John Tsotsos** was awarded funding from the **Computational Cognition and Machine Intelligence Program, Air Force Office for Scientific Research USA** (United States) for his project “Visual Perception and Reasoning: Integrating Cognitive Programs, Working Memory, Attention Control and Visual Processing,” and a US patent for System and Method for Face Recognition, with Ehsan Fazl-Ersi. Tsotsos is currently the Distinguished Research Professor of Vision Science at York, where he also holds the NSERC Tier 1 Canada Research Chair in Computational Vision. His research efforts span the areas of computer vision, computational neuroscience, human vision, artificial intelligence and robotics.



**Zheng Hong (George) Zhu** was awarded **Tier 1 York Research Chair in Space Technology**. He was also awarded a Fellowship in the American Society of Mechanical Engineers. He additionally won a Canada CubeSat Project grant from Canadian Space Agency. Zhu specializes in the research and development of aerospace structures and materials. His research interests include the dynamics and control of tethered spacecraft systems, electrodynamic tether propulsion and space debris removal, space robotics and advanced spacecraft materials. He is currently lead on two CubeSat missions that will be launched in 2019 and 2021.

## OSGOODE HALL LAW SCHOOL





**Signa A. Daum Shanks** was awarded the **Canadian Association of Law Teachers Prize** for the paper, *“Why Coywolf Goes to Court.”* This prestigious academic prize is for a scholarly paper that made a significant contribution to legal literature. Her paper offers insight into how the pursuit of Métis constitutionalism both protects a culture’s existence and ensures Canada’s constitution is interpreted in its most robust form. This piece was also meant to challenge assumptions within scholarly and judicial circles about the forms intellectual analysis can have.



**Jinyan Li** was awarded the **Lifelong Contribution Award** from the Canadian Tax Foundation. Li’s research interests are in Canadian and international tax law and policy, comparative tax law and Chinese law. Her research outputs include over 40 books and book chapters, journal articles and commissioned expert reports. She is currently serving as a member of the Expert Group advising Canada’s Minister of Finance on Reviewing Tax Expenditures. She teaches tax courses and Chinese law.

## SCHOOL OF THE ARTS, MEDIA, PERFORMANCE & DESIGN







**Janine Marchessault** won a **New Chapter Grant** - a special, one-time program created on the occasion of the 150th anniversary of Confederation. The Canada Council funded this as part of a historic re-investment in the arts. The highly competitive program attracted over 2,000 applications from which 200+ projects were selected. Marchessault's win will commission five, digital film shorts as part of a three-day festival in 2019. The festival will take place at the Cinesphere, the world's first permanent IMAX movie theatre in Toronto at Ontario Place.



**Brandon Vickerd** is acknowledged for **four commissioned public exhibit successes** in 2017: City of Calgary, Bridge Public Art Project; Region of Waterloo: ION LRT Development Public Art Project; Royal Botanical Gardens, Hamilton, McQueston Commemorative Sculpture; and City of Ottawa, Public Art Commission for Greenbanks Road. Vickerd is a sculptor whose research encompasses robotics, site-specific interventions, metal fabrication, foundry processes and collaborative projects. He has exhibited his work in numerous group and solo shows.

## SCHULICH SCHOOL OF BUSINESS





**Russell Belk** was elected to the **Royal Society of Canada Division of Social Sciences**. He is a world leader for his work on the extended self, the meanings of possessions, collecting, gift-giving, sharing, consumer desire and materialism. In addition to more than 600 articles, books and videos, he has received numerous international awards and honorary professorships on several continents. He helped found the field of Consumer Culture Theory, the Consumer Behavior Odyssey and the Association for Consumer Research Film Festival.



**Moshe Milevsky** was awarded the **American Risk and Insurance Association (ARIA) Kulp-Wright Book Award** for his book, *King William's Tontine: Why the Retirement Annuity of the Future Should Resemble Its Past* (Cambridge University Press, 2015). This award is presented annually by ARIA, the premier association of researchers in insurance, to the book considered to be the most influential, published during the prior year on the subjects of risk management and insurance. The award has been granted annually since 1944 and Milevsky joins a prestigious list of prior winners.



**Irene Henriques** was lead author of ***Re-energizing Canada: Pathways to a Low-Carbon Future*** in collaboration with Natural Resources Canada (NRC). She led the business and economics writing team on how Canada can transition to a lower carbon energy future while also ensuring that Canada's energy sector remains globally competitive. The report will inform NRC and serve as an input to the National Dialogue and Symposium on Canada's Energy Future. Henriques' unique combination of economics and social issues scholarship has placed her as one of the leading voices globally for the importance of environmental considerations in the practice of management.



**Justin Tan** was acknowledged by the **National Science Foundation of China** for his project on the relationship between alliance network and firm innovation performance. This project attempts to investigate how factors at different levels of alliance networks work on the innovation performance of firms, and how organizational innovation mechanisms co-evolve with the development of alliance networks, by integrating the three broad theoretical perspectives: network theory, cross-level theory and co-evolution theory.



**York University President Rhonda L. Lenton's Research Awards**

**YORK UNIVERSITY PRESIDENT'S  
RESEARCH EXCELLENCE AWARD:  
DOUG CRAWFORD**



**Doug Crawford**

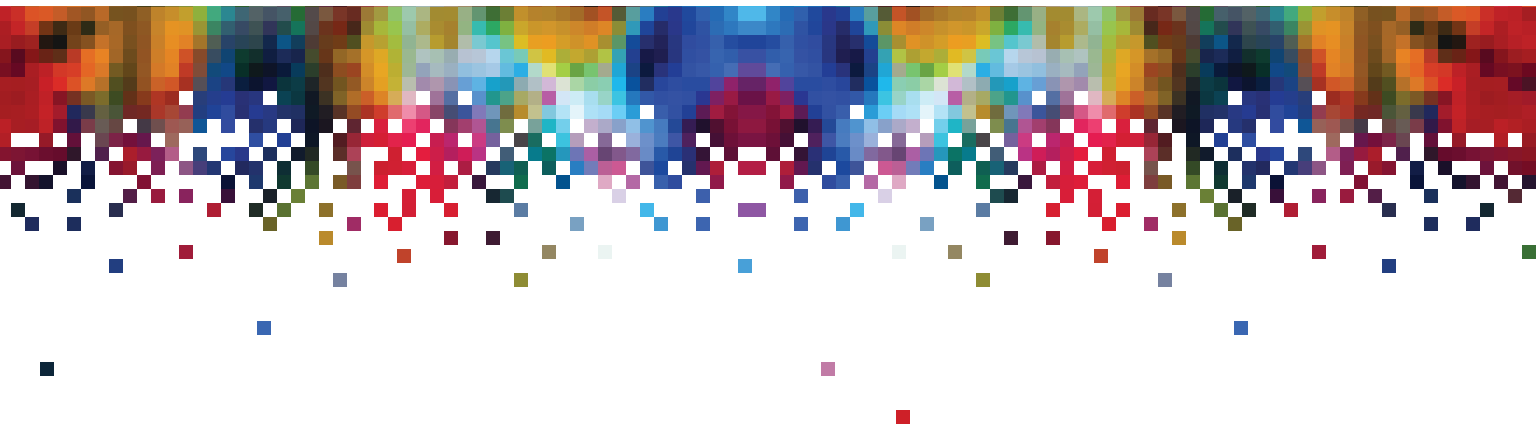
The 2018 recipient of the York University President's Research Excellence Award is Doug Crawford, Faculty of Health. A Distinguished Research Professor in Neuroscience and Tier 1 Canada Research Chair in Visual-Motor Neuroscience, he is being honoured for his career contributions toward understanding the neural mechanisms for visual memory and control of eye, head and hand motion. Crawford is also recognized for his research leadership contributions, in particular, his continuing work as scientific director of the Vision: Science to Applications (VISTA) Program, which was awarded the largest research grant in York's history. VISTA integrates the biological and computational vision research of five York faculties, seven research centres and over 50 partners to produce technologies that will help people live healthier, safer and more productive lives.

**YORK UNIVERSITY PRESIDENT'S  
EMERGING RESEARCH LEADERSHIP AWARD:  
SAPNA SHARMA**



**Sapna Sharma**

The 2018 recipient of the York University President's Emerging Research Leadership Award is Sapna Sharma, Faculty of Science. A Tier 2 York Research Chair in Global Change Biology, she is being recognized for her leadership in understanding the impacts of climate change, invasive species and habitat alteration on lakes. Her research focuses on predicting the effects of environmental stressors on lakes at broad spatial and temporal scales, and improving the scientific approaches used to generate these predictions. Sharma is also committed to science outreach through her work with the Royal Canadian Institute for Science and is the founder of a science outreach program for refugee families called SEEDS (Science Enrichment and Educational Development for Syrians & Refugees).



*Congratulations are also extended to*

**Banting Post-Doctoral Fellowship**

**Heather Fitzsimmons Frey**

**Vanier Canada Graduate Scholars**

**Tyrone Hall**

**Elan Marchinko**

**Kam Phung**

**Claudia Sicondolfo**

**Erica Tatham**





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