

AWARDS & HONOURS JUNE – OCTOBER 2013

Faculty of Arts & Science

2013 Royal Society of Canada Fellows

2013 Royal Society of Canada Fellows, 2013 Royal Society of Canada Fellows, Professor **Jonathan Abbatt**, Chemistry, is recognized worldwide as a leader in atmospheric chemistry. Abbatt applies state-of-the-art experimental methods to study how aerosol particles promote cloud formation and interact with atmospheric gases, leading to improved model predictions of stratospheric ozone depletion, global and urban pollution and climate change. His work bridges the atmospheric science and chemistry communities, and provides a firm foundation for quantitative assessments of societally-important environmental phenomena.

Professor **Emanuel Adler**, Political Science, is one of the world's foremost scholars of international relations. He is a leader of the field's "constructivist" approach, which successfully challenged the field's dominant paradigms, a program-builder and a dedicated teacher and mentor. His scholarship is theoretically ambitious, empirically rigorous and intellectually pluralistic, which explains why he is among the three most widely-cited international relations scholars in Canada.

Professor **Joseph Heath**, Philosophy, Centre for Ethics and School of Public Policy & Governance, is an international leader in political philosophy and the theory of rationality, as well as one of Canada's leading public intellectuals. He has made fundamental contributions in two areas: the understanding of the relations between rationality, morality and culture, and the foundations of business ethics.

Professor **Ato Quayson**, English, is internationally acknowledged as one of the most prolific, influential and innovative Africanists. His large body of work—five single-authored monographs, six edited and co-edited collections and over 40 essays—extends from African studies to other fields, including disability studies, diaspora and

transnationalism studies, urban studies and postcolonial theory. He is the founding director of the Centre for Diaspora and Transnational Studies.

Professor **Katherine Siminovitch's** (Immunology) discoveries of genetic and molecular pathways underpinning immunologic diseases have elucidated new paradigms of signal transduction and cell biology, illuminating the mechanisms whereby selected classes of signal transducing effectors link extracellular stimuli to cytoskeletal-driven cell responses or to the attenuation of cell responses required for homeostasis. Her discoveries of molecular pathways responsible for autoimmune disease have also profoundly advanced understanding and potential to ameliorate these common debilitating diseases.

Professor **Sali A. Tagliamonte's** (Linguistics) rich and unique array of firsthand studies of language variation and change has played a major role in advancing the theory and techniques of Sociolinguistics worldwide. Her analyses of African-American varieties, British, Northern Irish and Canadian dialects, as well as child, teen, television and internet language have galvanized a new generation of scholars. She is also the author of acclaimed monographs in sociolinguistic research and methodology.

Professor **Evan Thompson**, Philosophy, is a central figure in modern understandings of the nature of consciousness. His groundbreaking work brings perspectives from phenomenology, cognitive science and Buddhism to bear on what has been described as the most difficult problem in the philosophy of mind. Thompson is on leave from U of T for a year.

Professor **Andrei K. Yudin**, Chemistry, is an internationally renowned scholar who has created new molecules that serve as powerful tools for chemical synthesis. His concept of “forced orthogonality” has enabled the development of entirely new classes of compounds, previously thought to be too unstable to be used as practical reagents. Yudin has also been active in translating these fundamental discoveries into applications that impact the fields of chemistry, biology and medicine.

Faculty of Arts & Science

Professor **Morgan Barensse**, Psychology, is the winner of the McDonnell Scholar Award from the James S. McDonnell Foundation for research in Complex Systems Science.

Professor **Michael W. Carter**, Mechanical & Industrial Engineering, has been elected Fellow of the Institute for Operations Research and the Management Sciences (INFORMS). Fellows have exemplified outstanding lifetime achievement in operations research/management sciences, have demonstrated exceptional accomplishments and made significant contributions to the advancement of the field. Carter was inducted October 7 at the INFORMS Annual Fellows Ceremony and Luncheon in Minneapolis, MN.

Professor **Stephen Clarkson**, Political Science, is the winner of the Konrad Adenauer Research Award which promotes academic collaboration between Canada and the Federal Republic of Germany. Clarkson is working with colleagues at Berlin's Free University on how norms and institutions favouring foreign corporations' investments are entrenched and resisted in Europe, North America and South America.

Professor **Konrad Eisenbichler**, Italian Studies, has won the International Flaiano Prize for Italian Studies his book - The Sword and the Pen: Women, Poetry and Politics in Sixteenth-Century Siena. Eisenbichler is the first Canadian to win the Flaiano Prize for scholarship.

Professor **Ray Jayawardhana**, Astronomy & Astrophysics, is the winner of the Rutherford Memorial Medal in Physics, given for outstanding research in physics and chemistry. He was cited as a leader in the study of extra-solar planets, brown dwarfs and young stars. Using the world's largest telescopes, he is furthering our understanding of the origin, evolution and diversity of planetary systems.

Professor **Nicholas Rule**, Psychology, has won the 2013 ISCON Early Career Award (International Social Cognition Network) for outstanding early career contributions.

Professor **Douglas W. Stephan**, Chemistry, is the winner of the Henry Marshall Tory Medal for outstanding research in any branch of chemistry, astronomy, mathematics, physics or an allied science. Stephan's research group has developed commercial catalysts for polymerization, hydrogenation and metathesis. In recent years the group has uncovered the concept of "frustrated Lewis pairs," a dramatic paradigm-shifting breakthrough permitting the use of simple main group compounds in metal-free hydrogenation and hydroamination catalysis.

Faculty of Applied Science & Engineering

Professor **Cristina Amon**, dean of the Faculty of Applied Science & Engineering, has been inducted into the Hispanic Engineer National Achievement Awards Corporation (HENAAC) Hall of Fame. The annual honour recognizes a member who has achieved a level of excellence that opens doors to advances in science, technology, engineering and math, and opens minds about the contributions of Hispanics in these fields. Amon was inducted into the Hall of Fame at the HENAAC conference in New Orleans on October 4.

Professor **Peter Zandstra**, Institute of Biomaterials and Biomedical Engineering, is the 2013 recipient of the Stem Cell Network's Till & McCulloch Award, which recognizes the most influential stem cell research paper authored by a Canadian in the past year. Zandstra will accept the award and present a lecture entitled "Engineering pluripotent stem cell derived microtissues" as part of the Till & McCulloch Meetings, Canada's premier stem cell event, in Banff, AB on October 24.

Faculty of Law

Professor **Jutta Brunnée** was named a 2013 Royal Society of Canada Fellow. Brunnée is among the world's most influential scholars in international environmental law, international law and international legal theory. She has made groundbreaking contributions to the understanding of environmental treaty design, including lawmaking

and compliance processes, and international climate change law. Her award-winning work on “interactional law” advances a novel theory of international legal obligation and offers profound new insights into how international law influences international actors.

Faculty of Medicine

Eighteen members of the University of Toronto community have been named fellows of the Canadian Academy of Health Sciences, one of Canada’s most esteemed academic academies. The fellows are recognized for their leadership, creativity and commitment to advancing academic health science and are drawn from a wide range of health professions — recognizing work from basic science to population health. The newly elected fellows are:

- Philip Berger** (Department of Family and Community Medicine)
- Dina Brooks** (Department of Physical Therapy)
- Paul Dorian** (Department of Medicine)
- Herbert Gaisano** (Department of Medicine)
- Prabhat Jha** (Dalla Lana Faculty of Public Health)
- Rita Kandel** (Department of Laboratory Medicine and Pathobiology)
- Stephen Lye** (Department of Obstetrics and Gynaecology, and Fraser Mustard Institute for Human Development)
- Muhammad Mamdani** (Department of Health Policy, Management, and Evaluation & Leslie Dan Faculty of Pharmacy)
- Phillip Marsden** (Department of Medicine)
- John Marshall** (Department of Surgery)
- Avery Nathens** (Department of Surgery)
- Patricia O'Campo** (Dalla Lana Faculty of Public Health)

- Thomas Parker** (Department of Medicine)
- Paula Rochon** (Department of Medicine)
- Sean Rourke** (Department of Psychiatry)
- J. Paul Santerre** (Faculty of Dentistry & Institute of Biomaterials and Biomedical Engineering)
- Sharon Straus** (Department of Medicine)
- James Wright** (Department of Surgery)

The new fellows were inducted at a ceremony hosted by the Academy September 19.

University of Toronto Scarborough

Professor **Nick Eyles**, Physical & Environmental Sciences, is the winner of the McNeil Medal for the Public Awareness of Science, given to a scholar who has demonstrated outstanding ability to promote and communicate science to students and to the public. Eyles was cited for his work as host of CBC's Geologic Journey – World, and for writing general interest books about geology.