Queen's University

DEPARTMENT OF
PATHOLOGY AND MOLECULAR MEDICINE

THE NINTH M. DARIA HAUST VISITING LECTURER

PHILIP AWADALLA, PhD

Director of Computational Biology at the Ontario Institute for Cancer Research; Professor of Population and Medical Genomics at the University of Toronto and Executive Scientific Director of the Ontario Health Study/Canadian Partnership for Tomorrow Project.

"Exploring large population cohorts to capture genomic and environmental determinants of pre-disease states"

Tuesday, May 8, 2018
4:00 pm
Richardson Amphitheatre, Richardson Laboratory
Queen's University

Sponsored by
The Department of Pathology and Molecular Medicine and Queen's University

Kingston Health Sciences Centre
Centre des sciences de la santé de Kingston

Dr. Philip Awadalla, PhD

Philip Awadalla, is the Director of Computational Biology and a Senior Investigator at the Ontario Institute for Cancer Research, Professor of Population and Medical Genomics at the University of Toronto and Executive Scientific Director of the Ontario Health Study/Canadian Partnership for Tomorrow Project. He is also the Director of the Genome Canada Canadian Data Integration Centre. He obtained his doctorate in population and statistical genetics from the University of Edinburgh and was awarded NSERC, Killam Postdoctoral, and Wellcome Trust Fellowship to pursue his research at the University of California Davis before taking faculty positions at North Carolina and the University of Montreal. In 2009, he became the lead Principal Investigator and Scientific Director of the CARTaGENE program; Quebec's health survey that follows 40,000 deeply characterized participants for chronic and aging related disease research. In 2015, Dr. Awadalla moved to the Ontario Institute for Cancer Research and the University of Toronto and in July 2015 became the lead for the Ontario Health Study-CPTP (n=200,000). Both the Ontario Health Study and CARTaGENE are part of the national Canadian Partnership for Tomorrow Project (CPTP n=300,000) of which Dr. Awadalla is a PI. Dr. Awadalla is a teaching faculty member at international institutions including the NIH-funded U. of Washington Institute of Statistical Genetics and sits on the advisory board of a number of international companies and Genome Centres. His team was part of the analytical and functional analysis groups of the 1000 Genomes Program. Ongoing projects include next-generation programs to study epigenomic phenomena associated with environment and aging; the role of genetic variants responsible for hematological disease and cancers; estimating mutation load in populations and cancer cohorts; determining rates of mutations and recombination in humans; model-based approaches to identify genetic; and environmental control points for infectious and sickle cell disease in Africa. Dr. Awadalla is the recipient of a Sigma Xi faculty award and the 2012 Canadian Society for Clinical Investigation's Joe Doupe Young Investigator Award and is a recent recipient of a PI award from the Ontario Institute for Cancer Research. He is the Lead PI of a new bioinformatics Genome Canada Innovation Centre Platform, the Canadian Data Integration Centre.

Dr. M. Daria Haust, OC, MD, FRCPC

M. Daria Haust, a native of Poland, graduated summa cum laude from the Medical School of Heidelberg (Germany) in 1951. Immigrating to Canada in 1952, she completed a rotating internship at the Kingston General Hospital (KGH) in 1953, and thereafter spent a year of atherosclerosis research with Dr. Robert More. In 1954, Dr. Haust enrolled in the General Pathology Residency and Graduate School programs at Queen's, obtaining in 1959 the specialty certification from the Royal College of Physicians and Surgeons of Canada (RCPSC) and an MSc degree from Queen's. In 1960, following an extended postdoctoral fellowship in paediatric pathology with Dr. Benjamin Landing at the Cincinnati Children's Hospital, Dr. Haust joined the Faculty of Medicine at Queen's as an Assistant Professor and as a paediatric pathologist at the KGH, embarking on a career in experimental atherosclerosis and paediatric pathology. Promoted to Associate Professor in early 1967, she subsequently moved to Western University (UWO), obtaining full Professorship in 1968. In 1972, Dr. Haust became a Fellow of the RCPSC. Currently, Dr. Haust maintains contacts with several academic/professional domains, e.g., as Professor Emeritus (UWO), Professor to Adjunct Academic Staff (Queen's), Honorary Member of Medical Staff (SickKids) and as the 2013-Awardee of the Emeritus Status (College of Physicians and Surgeons of Ontario).

Dr. Haust has had a distinguished career in basic research in several areas including atherosclerosis, the process of elastogenesis, and the pathogenesis of a number of genetic diseases. She is a highly regarded educator, respected for her teaching ability, and known for the devoted supervision of the programs of her graduate students. She received several Best Teacher Awards at Queen's and the UWO. Dr. Haust was a guest lecturer at universities and scientific gatherings around the globe. She has played important roles in the establishment and functional continuity of national and international scientific societies, either as President, Secretary-Treasurer or as a member of the Council, and has served on Editorial Boards of several scientific journals. Her scientific or academic contributions have been honoured by a multiplicity of distinctions (Canada Council Killam Prize in Medicine; Gold Medal Award from the International Atherosclerosis Society; Honorary membership of the Academy of Sciences of Heidelberg; the William Boyd Lectureship of the Canadian Association of Pathology; the Andreas Vesalius Medal by the University of Padua; Honorary Professorship of Medicine from the University of Chile, and others). Dr. Haust's biography as one of the Founders of Paediatric Pathology appeared in 2001, and a Festschrift in her honour, with contributions from ten international scientists, was published in 2002. In 2004, she received the Distinguished Pathologist Award from the US/Canadian Academy of Pathology; fellowships and awards named in her honour were established by the International Atherosclerosis Society, the Canadian Atherosclerosis Society, and at the UWO. She is the recipient of honorary degrees from three mediaeval universities (Jagiellonian University, Krakow; Charles University, Prague; Havana University, Havana). In 2007, Dr. Haust's extraordinary career culminated with her appointment as an Officer of the Order of Canada. In 2012, she received the Queen Elizabeth II Diamond Jubilee Medal from the Governor General of Canada.

Through this lectureship, Dr. Haust is honoured for her scholarly achievements, contributions to the profession, and her continuing passionate devotion to our Department and to Queen's University.

PREVIOUS HAUST LECTURERS

2001 Kurt Benirschke, Emeritus Professor of Pathology and Reproductive Medicine, University Medical Center, San Diego, California

2003 Luc Oligny, Pediatric and Molecular Pathologist, Department of Pathology and Cellular Biology, Université de Montréal and Hôpital Sainte-Justine, Montréal, Québec

2005 Timothy Triche, Professor of Pathology and Pediatrics at the University of Southern California, and Head, Department of Pathology, Childrens Hospital Los Angeles, Los Angeles, California

2007 Peter Davies, Robinette Foundation Professor of Cardiovascular Medicine, is Professor of Pathology and Laboratory Medicine, Professor of Bioengineering, and Director of the Institute for Medicine and Engineering (IME) at the University of Pennsylvania

2010 Michael Gimbrone, Chairman, Department of Pathology, Brigham and Women's Hospital, Ramzi S. Cotran Professor of Pathology, Director, Center for Excellence in Vascular Biology (Brigham & Women's Hospital), Director, Vascular Research Division

2012 Michael Allard, Professor and Head, Department of Pathology and Laboratory Medicine, University of British Columbia

2014 Murray Huff, Professor, UWO and Director, Vascular Biology Research Group, Robarts Research Institute, London, ON

2016 Richard G. Hegele, MD, FRCPC, PhD, Vice Dean, Research and Innovation, Faculty of Medicine and Pathobiology, University of Toronto, Toronto, ON

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