

THE FIFTH M. DARIA HAUST VISITING LECTURER

DR. MICHAEL A. GIMBRONE, JR., MD

Dr. 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

“Vascular Endothelium in the Post-Genomic Era: New Insights into its Pathobiology”

Thursday, May 20, 2010

4:00 pm

Richardson Amphitheatre, Richardson Laboratory
Queen's University

Sponsored by

Dr. M. Daria Haust Lectureship Fund and the Department of Pathology and Molecular Medicine,
Queen's University

Dr. M. Daria Haust

M. Daria Haust was born in Poland, and graduated summa cum laude from the medical school of Heidelberg University in 1951. After emigrating to Canada with her husband in 1952, she entered a rotating internship at the Kingston General Hospital. She undertook a year of atherosclerosis research with Dr. Robert More and then enrolled in the General Pathology residency program at Queen's. In 1959, she achieved specialty certification from the Royal College of Physicians and Surgeons of Canada and also obtained an MSc-degree from Queen's. Following a postdoctoral fellowship in pediatric pathology with Dr. Benjamin Landing at the Cincinnati Children's Hospital, Dr. Haust joined the Faculty at Queen's in 1960. She successfully nurtured two sons, embarked on a career in experimental atherosclerosis and pediatric pathology and, in 1967, moved to the University of Western Ontario where she remains active as Professor Emeritus.

Dr. Haust has had a distinguished career in basic research in several areas including atherosclerosis, the process of elastogenesis, and the pathogenesis of several genetic diseases. She is a highly regarded educator and has played important roles in the establishment of national and international scientific societies, serving either as President, Secretary-Treasurer or as a member of the Council. She has also served on a number of Editorial Boards of scientific journals and has been invited to lecture around the globe on countless occasions. Her scientific contributions have been honoured by a multiplicity of distinctions (e.g., the Canada Council Killam Prize in Medicine; Gold Medal Award from the International Atherosclerosis Society; Honorary membership of the Academy of Science of Heidelberg; Best Teacher Awards at the University of Western Ontario; 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 many others). Dr. Haust's biography as one of the Founders of Pediatric Pathology appeared in 2001, and a Festschrift in her honour, with contributions from 14 international scientists, was published in a scientific journal in 2002. In 2004, she received the Distinguished Pathologist Award from the US/Canadian Academy of Pathology. Of the educational and research fellowships and awards named in her honour, that established in 2006 by the CSATVB (formerly: Canadian Atherosclerosis Society) has a special meaning for her as the annual competition for the "Daria Haust Research Award" will be "open only to female members of that Society who are in their first ten years of a faculty appointment". She is the recipient of honorary degrees in medicine from three mediaeval Universities (Jagiellonian University, Krakow; Charles University, Prague; Havana University, Havana). In 2007, Dr. Haust's extraordinary career culminated with her being named an Officer of the Order of Canada.

Through this lectureship the Department honours Daria Haust's scholarly achievements, her contributions to her profession, and her continuing passionate devotion to our Department and to Queen's University.

Dr. Michael A. Gimbrone

Dr. Gimbrone was born in Buffalo, New York, and received his A.B. degree in Zoology (Summa cum laude) from Cornell University in 1965 and his M.D. degree (Magna cum laude) with Honors in a Special Field from Harvard Medical School in 1970. After completing an Internship at the Massachusetts General Hospital, Boston, and a Research Fellowship at the Children's Hospital Medical Center, Boston, with Dr. Judah Folkman, he served as a Staff Associate at the National Cancer Institute in Bethesda, Maryland. He then returned to the Peter Bent Brigham Hospital in Boston for residency training in Pathology, under the mentorship of Dr. Ramzi Cotran, and subsequently rose through the academic ranks from Instructor to Professor of Pathology at Harvard Medical School in 1985. In 1976, he established the Vascular Pathophysiology Research Laboratory, which became the Vascular Research Division of the Department of Pathology at the Brigham and Women's Hospital in 1985. In 1998, he was named the first Director of the Center for Excellence in Vascular Biology at the Brigham and Women's Hospital/Harvard Medical School.

Dr. Gimbrone's research focuses on the cellular and molecular mechanisms of vascular disease, in particular the role of the endothelial cell in complex disease processes such as atherosclerosis, thrombosis and inflammation. He was among the first to establish reproducible methods for the *in vitro* culture of endothelium and smooth muscle from human blood vessels and to utilize the tools of modern cell biology and molecular biology to dissect their functions in health and disease. His laboratory has characterized the cytokine-activated endothelial phenotype and discovered inducible endothelial-leukocyte adhesion molecules important in inflammation and atherogenesis. Most recently his group has focused on the molecular mechanisms linking biomechanical stimulation and endothelial genetic regulation in atherogenesis. This has led to the discovery of "athero-protective genes" that provide potential therapeutic targets for the prevention of heart attacks and strokes.

Dr. Gimbrone has published more than 250 research articles, book chapters and reviews in the field of vascular biology. He is a recipient of an Established Investigatorship Award from the American Heart Association and the Warner-Lambert Parke Davis Award in Experimental Pathology (FASEB). He is a Past-President of the American Society for Investigative Pathology, the founding President of the North American Vascular Biology Organization (NAVBO), and has served on the Board of Directors of FASEB (Federation of American Societies for Experimental Biology), as well as various NIH (National Institutes of Health) study sections and national advisory committees. He has received the Basic Research Prize from the American Heart Association, a MERIT Award from the National Heart Lung and Blood Institute, the Cardiovascular Research Lifetime Achievement Award from the Bristol-Myers Squibb Institute, the Pasarow Award for Research in Cardiovascular Diseases, the J. Allyn Taylor International Prize in Medicine, the Earl Benditt Lifetime Achievement Award in Vascular Biology from the North American Vascular Biology Association, the Louis and Artur Lucian Award for Research in Circulatory Diseases from McGill University, the Okamoto Prize in Vascular Research (Kyoto University), the Glorney-Raisbeck Award in Cardiovascular Medicine from the New York Academy of Medicine, and the King Faisal International Prize in Medicine. He has been elected to the National Academy of Sciences (USA), the American Academy of Arts and Sciences, and the Institute of Medicine of the National Academy of Sciences. Most recently, he has been designated a Distinguished Scientist of the American Heart Association, and has received the Rous-Whipple Award of the American Society for Investigative Pathology. He currently is the Ramzi S. Cotran Professor of Pathology at Harvard Medical School, and serves as the Director of the Center for Excellence in Vascular Biology and Chairman of the Department of Pathology at the Brigham and Women's Hospital in Boston, Massachusetts (USA).

The Department of Pathology and Molecular Medicine invites you to meet Michael Gimbrone and celebrate the contributions of M. Daria Haust at a reception immediately following the lecture at the University Club.

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