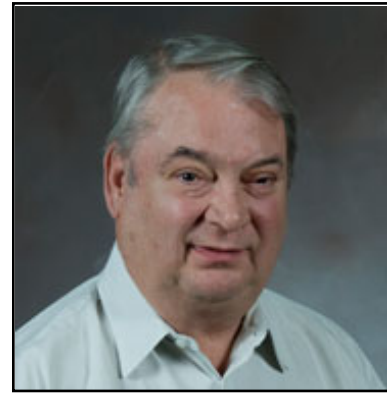




**4th Annual
Arthur C. Guyton Lectureship**

Ferid Murad, M.D., Ph.D.



Professor and Director Emeritus
The Brown Foundation Institute of Molecular Medicine
Director, IMM Center for Cell Signaling
Texas Nobel Scholar, The University of Texas at Houston
Director, UT Health Science Center at Houston Program in Intracellular Signaling=
1998 Nobel Laureate in Physiology or Medicine

***“Discovery of Nitric Oxide and Cyclic GMP in Cell Signaling
and Their Role in Drug Development”***

Ferid Murad is Director Emeritus of the Brown Foundation Institute of Molecular Medicine for the Prevention of Human Diseases, Director of the IMM Center for Cell Signaling, Regental Professor and John S. Dunn Sr. Distinguished Chair in Physiology and Medicine, Texas Nobel Scholar at the University of Texas at Houston, and Director of the UT Health Science Center at Houston Program in Intracellular Signaling.

Dr. Murad completed his undergraduate work at DePauw University and received his M.D. and Ph.D. from Case Western Reserve University. He had a medical residency at Massachusetts General Hospital and a fellowship at NIH in the Heart Institute. He was on the faculty at the University of Virginia 1970-81 as Director of the Clinical Research Center and Director of the Division of Clinical Pharmacology with appointments in Medicine and Pharmacology. He was Chief of Medicine at Palo Alto Veterans Hospital 1981-88, Associate Chairman of Medicine 1982-86 and Chairman of Medicine 1986-88 at Stanford University. He was Vice President of Research and Development at Abbott Laboratories 1988-93 and Professor at Northwestern University.

Dr. Murad has been active in both academic medicine and industry throughout his distinguished career. He has founded or co-founded five biotechnology companies and has advised many cities and government leaders about technology development. His work has concentrated on the field of cell signaling and signal transduction systems.

In 1998, Dr. Murad received the Nobel Prize in Medicine for his work with nitric oxide - a colorless, odorless gas that signals blood vessels to relax and widen, which in turns lowers blood pressure. He continues research which leads to a better understanding of how information is transmitted between cells.

Among his many other awards and honors, Dr. Murad received the prestigious Albert and Mary Lasker Basic Medical Research Award in 1996, the American Heart Association Ciba Award in 1988, and the Baxter Award for Distinguished Research in the Biomedical Sciences from the Association of American Medical Colleges in 2000. He also received the American Society of Clinical Pharmacology Distinguished Research Prize in 2005 and the President's Scholar Award from the University of Texas-Houston Health Science Center in 2006.

He is a member of the National Academy of Sciences, a member of the Institute of Medicine of the National Academy of Sciences, Fellow of the American Academy of Arts and Sciences, member of Texas Academy of Medicine, Engineering and Science Technology. He is also a member of several foreign academies and is an Honorary or Adjunct Professor at a number of universities. Dr. Murad also serves on the Board of Directors or Scientific Advisory Boards of a number of public and private companies and various foundations and universities. About 140 trainees have worked with him in his laboratories who are currently academic or pharmaceutical industry leaders around the world.

Research Projects:

Dr. Murad's research with cell signaling focuses on the nitric oxide/cyclic GMP pathways to identify novel molecular pathways and targets that can lead to the discovery and development of novel therapeutic agents. His laboratory in the IMM is typically 18 to 20 scientists. He also has a similar sized laboratory at the Shanghai University examining the effects of Traditional Chinese medicines on the NO/cGMP pathways.

Previous Guyton Lecturers:

- 2009 Helen Hobbs
University of Texas Southwestern Medical Center

- 2008 Eric Olson
University of Texas Southwestern Medical Center

- 2007 H. Lee Sweeney
University of Pennsylvania