

**GROUNDBREAKING CEREMONY**  
**Neurosciences Research Building**  
**Indiana University School of Medicine**  
Monday, August 6, 2012, 1:00 p.m.

Prelude	Indiana University Jacobs School of Music String Quartet
Welcome and Introductions	President McRobbie
Remarks	The Honorable Mitch Daniels Governor, State of Indiana
Conferral of Honorary Degree	President McRobbie
Remarks	President McRobbie
Musical Interlude	Indiana University Jacobs School of Music String Quartet
Remarks	Charles R. Bantz Chancellor Indiana University-Purdue University Indianapolis Executive Vice President Indiana University  D. Craig Brater Dean and Walter J. Daly Professor Indiana University School of Medicine Vice President for University Clinical Affairs Indiana University  Nicholas M. Barbaro Medical Director, Indiana University Health Neurosciences Center Betsey Barton Professor of Neurological Surgery Indiana University School of Medicine  Daniel F. Evans Jr. President and Chief Executive Officer IU Health
Groundbreaking	President McRobbie
Closing	President McRobbie
Recessional and Postlude	Indiana University Jacobs School of Music String Quartet

**Platform Party**

Charles R. Bantz	Chancellor Indiana University-Purdue University Indianapolis Executive Vice President Indiana University
Nicholas M. Barbaro	Medical Director, Indiana University Health Neurosciences Center Betsey Barton Professor of Neurological Surgery Indiana University School of Medicine
MaryEllen K. Bishop	Trustee
D. Craig Brater	Dean and Walter J. Daly Professor Indiana University School of Medicine Vice President for University Clinical Affairs Indiana University Honorary Degree Escort
William R. Cast	Chair Trustees of Indiana University
Bruce Cole	Trustee
The Honorable Mitch Daniels	Governor State of Indiana
Philip N. Eskew Jr.	Trustee
Daniel F. Evans Jr.	President and Chief Executive Officer IU Health
Cora J. Griffin	Trustee
Michael A. McRobbie	President Indiana University
Ferid Murad	Honorary Degree Recipient
Rebecca E. Porter	Associate Vice Chancellor, Student Services Executive Director, Enrollment Services Indiana University-Purdue University Indianapolis University Grand Marshal
Jennifer D. Rowland	University Platform Marshal

**Ferid Murad**  
**Doctor of Science**



The seeds of Ferid Murad’s success were sown in his childhood, amid the hard work and the compassionate service to others. On his receipt of the 1998 Nobel Prize for Physiology or Medicine, Murad recalled the long hours that his parents had labored in their Whiting, Indiana, restaurant and apartment building. His father, an Albanian immigrant, expected Murad and his brothers to run the cash register and wait tables; meanwhile, he often saw his mother feeding and caring for the elderly residents of sleeping rooms rented out by the family.

Murad earned a scholarship to DePauw University, where he pursued majors in premedicine and chemistry; he also completed summer course work at Indiana

University. In 1958 he enrolled at Case Western Reserve University, working jointly on M.D. and Ph.D. degrees and studying under 1971 Nobel Prize–winning pharmacologist Earl Sutherland Jr. and Sutherland’s collaborator Theodore Rall. Sutherland and Rall are renowned for their discoveries of cyclic adenosine monophosphate (AMP) and cyclic guanosine monophosphate (GMP), two types of “second messengers,” or molecules that relay signals from receptors on cell surfaces to target molecules inside cells. Murad’s historic discoveries and innovations have expanded on his mentors’ research. The 1998 Nobel, awarded to Murad and colleagues Robert Furchgott and Louis Ignarro, cited their investigations into nitric oxide as a signaling molecule in the cardiovascular system, eventually demonstrating how nitroglycerin and related drugs dilate blood vessels.

D. Craig Brater, IU vice president for university clinical affairs and dean of the IU School of Medicine, observes that Murad’s work “has led to new drugs, such as vasodilators and antiplatelet agents and antiproliferative agents, used for the treatment of hypertension, atherosclerosis, stroke, angina pectoris, heart failure, and vascular complications of diabetes, gastrointestinal ulcers, and other vascular disorders.”

Murad’s achievements extend far beyond the laboratory, however. He completed his medical internship and residency at Massachusetts General Hospital in Boston and then spent several years as a clinician and researcher at the National Heart, Lung, and Blood Institute. Since then he has served on the faculties and in the administrations of the University of Virginia, Stanford University, the University of Texas Health Science Center at Houston, and George Washington University. His leadership positions have included chief of medicine, chair of pharmacology, and, at the University of Texas, director of the Brown Foundation Institute of Molecular Medicine for the Prevention of Human Disease. He is currently a University Professor of Biochemistry and Molecular Biology at George Washington University. Murad has written hundreds of research articles and book chapters, many of them pivotal contributions to the discipline.

In addition to the Nobel Prize, Murad’s honors in medicine and biomedical sciences include the Lasker, Ciba, and Guyton Awards. He has also served as vice president of pharmaceutical discovery at Abbott Laboratories, has founded seven biotechnology companies, and holds 10 patents.

In all of Murad’s endeavors, Brater says, he “continues to strive for a deeper understanding of molecular and cellular biology with an insatiable appetite for learning and teaching.”

**Indiana University School of Medicine  
Neurosciences Research Building**

Today's groundbreaking for the Indiana University School of Medicine Neurosciences Research Building signals the culmination of a dream nearly a decade in the making: a center of excellence in neurosciences that will gather the School of Medicine's scientific resources to unravel the secrets of the brain and transform those discoveries into new therapies for patients.

The IU Neurosciences Research Building will provide 138,000 square feet of state-of-the-art space for scientists studying the effects of a broad spectrum of disorders that increasingly demand the attention of modern medical science. As the new, second phase of the Indiana University Health Neuroscience Center, it will bring together research and clinical expertise, and commitment of the School of Medicine and IU Health.

Scientists from the Institute for Psychiatric Research and the Stark Neurosciences Research Institute will be first to move to the new building when it opens in 2014. They will join clinical colleagues in the connected ambulatory care and imaging building: neurological surgeons, psychiatrists, neurologists, and others will be just down the hall rather than blocks, or miles, away.

The neurosciences center is designed to support a community of scholars where researchers and physicians can collaborate, where research ideas can take root nourished by discoveries with broad implications for many disorders and injuries, from dementias to addictions, from traumatic brain injury to mood disorders, from autism to chronic pain.

For patients suffering from these conditions, it will mean a place where the best physicians, inventive researchers and the imaging experts – working in collaboration – will all be available to provide the most advanced and best care without delay.

For learners, it will provide “one-stop shopping” for the knowledge that will lead to their future successes in research and caring for patients.

The researchers, physicians, and therapists working in this center of excellence will soon have great opportunities for collaboration, not only within the dynamic spaces of the new complex, but with colleagues at the School of Medicine, throughout IU Health, with researchers and educators at IUPUI – where the School of Science will begin offering a new undergraduate degree in neurosciences this fall – and with colleagues in academic and corporate laboratories across Indiana and around the world.



**Acknowledgements**

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**Indiana University Jacobs School of Music String Quartet**

Hyewon Kim  
Willy Michel  
Karen Yeh  
Erica Zappia



**Neurosciences Research Building  
Groundbreaking**

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