The Twelfth
Irving L. Schwartz Lectureship

In
Structural & Chemical Biology

Tony Hunter, Ph.D.
Renato Dulbecco Chair of Cancer Research,
Director of the Salk Institute Cancer Center,
ACS Professor of Molecular and Cell Biology,
The Salk Institute for Biological Studies

"Cell Regulation by Phosphorylation, Ubiquitylation and SUMOylation"

Thursday, May 3, 2012
2:00 PM

Icahn Medical Institute Building
Goldwurm Auditorium

Reception to follow the lecture

Mount Sinai School of Medicine
Department of Structural and Chemical Biology
One Gustave L. Levy Place
1425 Madison Avenue
New York, New York 10029
Tel. 212-659-8647

MOUNT SINAI SCHOOL OF MEDICINE

The Twelfth Irving L. Schwartz

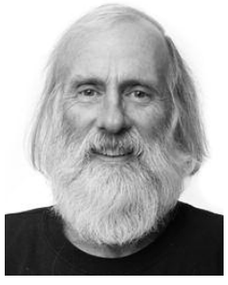
Lectureship in Structural and Chemical Biology

Irving L. Schwartz, M.D.

(1918 – 2011)

Dr. Schwartz was the first Dean of the Mount Sinai Graduate School of Biological Sciences from 1965 to 1980 when he became Dean Emeritus. He was also the founding chairman of the Department of Physiology and Biophysics (currently the Department of Structural and Chemical Biology) and the Lamport Distinguished Professor until his retirement in 1989.

Under Dr. Schwartz's early leadership, Mount Sinai grew as a center of excellence in translational research. He believed in the "vital interdisciplinary interactions among clinicians, basic scientists, medical students, and graduate students within one institution". Dr. Schwartz's interests in biomedical research and education were far reaching, addressing fundamental problems of body fluid regulation, secretory phenomena and neurophysiology. His work, originally in whole animal and organ physiology, evolved over the years to the cellular level, and ultimately to the molecular level. He had a major interest in the function of neurohypophyseal and other peptides. His studies on peptides ranged from bedside observations, to biochemical mechanisms of action, to the definition of three-dimensional structure of such molecules in solution as well as in the crystalline state. The work of his group on the molecular conformation of hormones in solution pioneered structure-function analysis based on the tertiary structure of molecules.



Tony Hunter, Ph.D.

Dr. Hunter was born in Asford, Kent, England. He received his B.A. in 1965 from the University of Cambridge, and his Ph.D. in 1969 for work on mammalian protein synthesis under Asher Korner in the Department of Biochemistry, University of Cambridge. He was a Research Fellow in the Department from 1968-1971, and a postdoctoral fellow at the Salk Institute from 1971-1973 working under Walter Eckhart on polyoma virus DNA replication. He rejoined the Salk Institute as an Assistant Professor in 1975 in the Molecular and Cell Biology Laboratory, where he is currently the Renato Dulbecco Chair in Cancer Research and Director of the Salk Institute Cancer Center.

In 1979, Dr. Hunter discovered that polyomavirus middle T antigen and the RSV v-Src oncoprotein both exhibit a previously unknown protein kinase activity that phosphorylates tyrosine. He has spent most of the last thirty years studying protein kinases and phosphatases, and the role of protein phosphorylation in cell growth, the cell cycle, and cancer.

Dr. Hunter has received many awards for his work on tyrosine Phosphorylation. He is a Fellow of the Royal Society of London, an Associate Member of EMBO, a Member of the US National Academy of Sciences, the Institute of Medicine, and the American Philosophical Society. He is currently an American Cancer Society Professor in the Molecular and Cell Biology Laboratory at the Salk Institute for Biological Studies in La Jolla, California. He is also an Adjunct Professor in the Division of Biological Sciences at the University of California at San Diego.

In Honor of

IRVING L. SCHWARTZ

Scientist, scholar, teacher, physician

Previous Schwartz Lecturers

1993	Albert J. Hudspeth, M.D., Ph.D. *University of Texas-Southwestern Medical Center*
1995	Charles F. Stevens, M.D., Ph.D. *The Salk Institute*
1998	Wayne L. Hubbell, M.D., Ph.D. *University of California at Los Angeles*
2000	Richard N. Bergman, Ph.D. *University of Southern California*
2005	Stephen C. Harrison, Ph.D. *Harvard Medical School*
2006	Roger D. Kornberg, Ph.D.* *Stanford University* ** The Nobel Prize in Chemistry 2006*
2007	Kurt Wüthrich, Ph.D.* *The ETH Zürich* *The Scripps Research Institute* ** The Nobel Prize in Chemistry 2002*
2008	Stuart L. Schreiber, Ph.D. *Harvard University* *The Broad Institute of Harvard & MIT* *Howard Hughes Medical Institute*
2009	Michael G. Rosenfeld, M.D. *University of California, San Diego* *Howard Hughes Medical Institute*
2010	Klaus Schulten, Ph.D. *University of Illinois Urbana-Champaign*
2011	Kevan Shokat, Ph.D. *University of California, San Francisco* *Howard Hughes Medical Institute*