

The Molecular Biology Institute, with generous contributions from family and friends, established the David S. Sigman Memorial Fund in 2002. It ensures that the Sigman Lectureship will continue in perpetuity to honor individuals for their significant contributions to chemical biology.

## Signal Transduction:

Motifs, Small Molecules, Lipids, and Transcription

**David S. Sigman** was an internationally renowned UCLA professor who discovered chemical nucleases and illuminated the molecular mechanisms by which enzymes catalyze biological reactions.



Born in New York City in 1939, he graduated *magna cum laude* from Oberlin College in Chemistry in 1960. He received his PhD in 1965 from Harvard. After postdoctoral work, he served briefly as an instructor at Harvard before joining the UCLA faculty in the Department of Biological Chemistry in 1968.

Professor Sigman's research bridged the fields of organic chemistry, biochemistry, and molecular biology. He was one

of the founding members of UCLA's Molecular Biology Institute, serving as its associate director from 1994-2001. In 1989, he added an appointment to the Department of Chemistry and Biochemistry. He was a large part of the collegial glue that held our biomedical community together. As the guru for bioorganic chemistry, he was a dedicated mentor of younger scientists. He died November 11, 2001, at the age of 62, after a two-and-a-half-year battle with brain cancer. His wit, insight, and creativity are greatly missed!



Donations to the lectureship endowment expand its potential – checks should be made payable to the "UCLA Foundation – Sigman Memorial Fund" and sent to the attention of Bo Tendis, Molecular Biology Institute - UCLA, PO Box 951570, Los Angeles CA 90095-1570. Your generosity is appreciated!

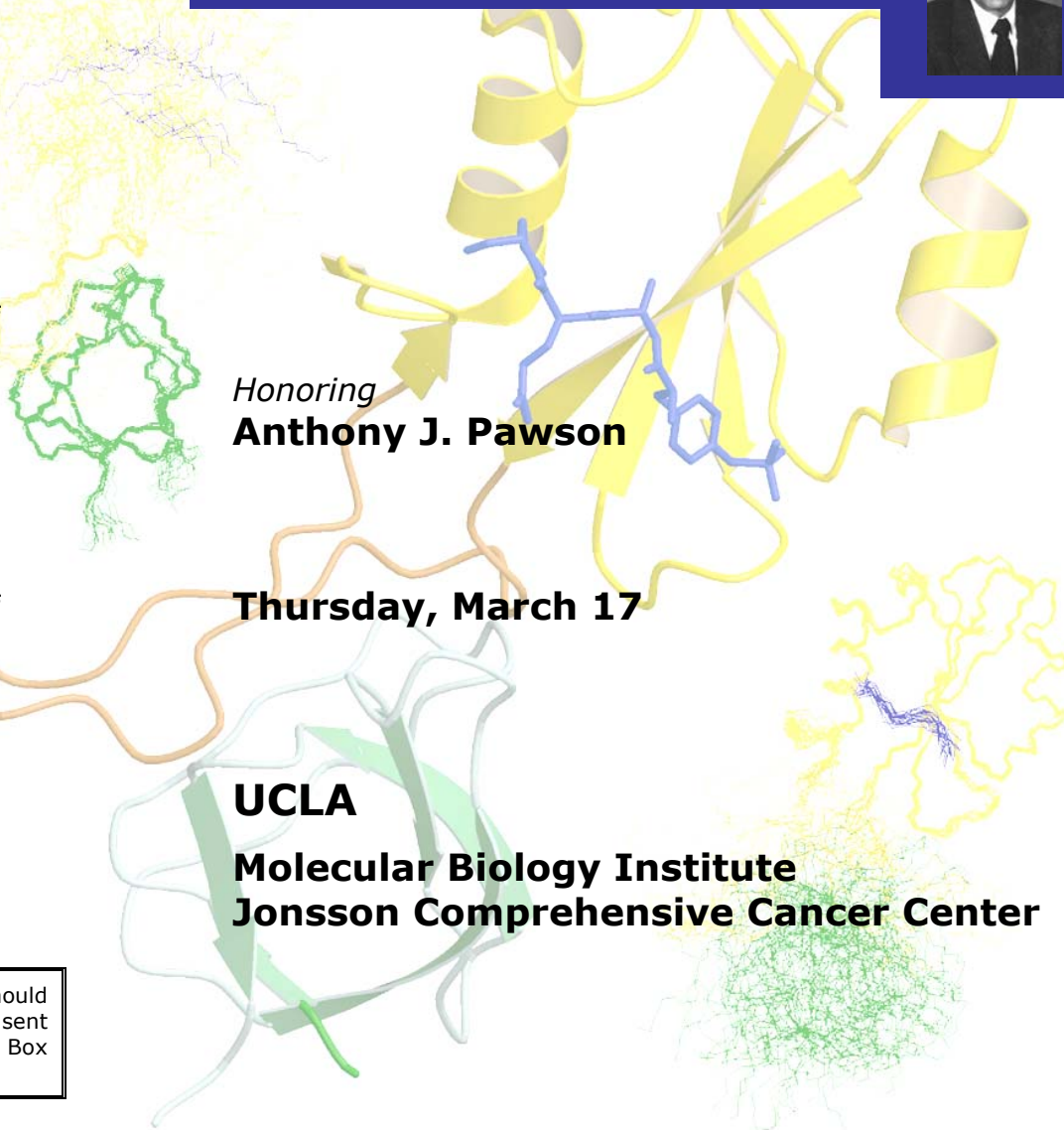


2005 Sigman Symposium

Honoring  
**Anthony J. Pawson**

**Thursday, March 17**

**UCLA**  
**Molecular Biology Institute**  
**Jonsson Comprehensive Cancer Center**



## Anthony J. Pawson, PhD

Tony Pawson is Director of Research at the Samuel Lunenfeld Research Institute of Mt. Sinai Hospital in Toronto, and a Professor at the University of Toronto. His work is focused on the interacting proteins that control signal transduction and cellular organization.

After undergraduate studies at Cambridge University, Tony Pawson obtained his Ph.D. at the Imperial Cancer Research Fund in London (1976), working on retroviral gene expression. He undertook postdoctoral work at the University of California at Berkeley with G. Steven Martin (1976-1980), where he identified a variety of retroviral oncogene products, and provided early evidence for the



role of tyrosine phosphorylation in malignant transformation. He moved to the University of British Columbia, Vancouver as an Assistant Professor in 1981, and to Toronto in 1985. Over the last 25 years he has explored the mechanisms through which regulated protein-protein interactions control intracellular signaling pathways, building on his identification of the SH2 domain as the prototypic interaction module.

Tony Pawson is a Distinguished Scientist of the Canadian Institutes for Health Research. He has received a number of awards, including the Gairdner Foundation International Award, the AACR/Pezcoller International Award for Cancer Research, the Heineken Prize for Biochemistry and Biophysics (Royal Netherlands Academy of Arts and Sciences), the Killam Prize for Health Sciences, the Louisa Gross Horwitz Prize and the Wolf Prize, amongst others. He is a Fellow of the Royal Societies of London and Canada, a Foreign Associate of the National Academy of Sciences (US), an Associate Member of EMBO, and a recipient of the Order of Canada.

## 2005 Sigman Symposium

### Signal Transduction:

#### Motifs, Small Molecules, Lipids, and Transcription

Thursday, March 17, 2005  
UCLA, Paul D. Boyer Hall  
Rooms 159/173

- 1:00 pm **Opening Remarks and Award Presentation**  
Sabeeha Merchant, Acting Director  
Molecular Biology Institute  
Chemistry & Biochemistry, UCLA  
Fuyuhiko Tamanoi, Symposium Co-Chair  
Microbiology, Immunology & Molecular Genetics, UCLA  
Geraldine Weinmaster, Symposium Co-Chair  
Biological Chemistry, UCLA
- 1:10 pm *Sigman Lecture*
- Modular Protein Interactions in Signal Transduction**  
Anthony J. Pawson  
Mt. Sinai Hospital, University of Toronto
- 2:05 pm *Break*
- 2:15 pm **Chemical Genetic Approaches to the Study of Signal Transduction**  
Kevan Shokat  
Cellular & Molecular Pharmacology, UC San Francisco  
Chemistry, UC Berkeley
- 3:10 pm **Lipid Modification and the Membrane Association of Small GTPases**  
Robert J. Deschenes  
Biochemistry, Medical College of Wisconsin
- 4:05 pm **How the Ras-MAP Kinase Pathway Activates Transcription**  
Arnold J. Berk  
Microbiology, Immunology & Molecular Genetics, UCLA