DAVID S. SIGMAN MEMORIAL FUND

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

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!

To donate to the Sigman Memorial Fund, please email Janice Shintaku, jshintaku@support.ucla.edu

DAVID S. SIGMAN MEMORIAL LECTURE

RUSSELL DEBOSE-BOYD, PHD

October 13, 2022
California NanoSystems Institute
UCLA

UCLA Molecular Biology Institute

RUSSELL DEBOSE-BOYD, PHD

Beatrice and Miguel Elias Distinguished Chair in Biomedical Science
Professor of Molecular Genetics
UT Southwestern Medical Center

Dr. DeBose-Boyd is a professor of molecular genetics at University of Texas Southwestern Medical Center where his laboratory focuses on the regulation of HMGCoA reductase. HMG CoA reductase produces mevalonate, a crucial intermediate in the synthesis of cholesterol. Dr. DeBose-Boyd received his PhD in biochemistry and molecular biology at University of Oklahoma Health Sciences Center in the laboratory of Dr. Richard Cummings. He then joined the Goldstein and Brown laboratory at UT Southwestern Medical Center as a fellow of the Jane Coffin Childs Memorial Fund for Medical Research. Dr. Debose-Boyd was an Established Investigator of the American Heart Association and a WM Keck Distinguished Young Scholar in Medical Research. He was appointed a Howard Hughes Medical Institute Early Career Scientist.

PROGRAM

Welcome
Hilary Coller, PhD
Director, Molecular Biology Institute

Tribute to David Sigman
Steven Clarke, PhD
Distinguished Professor
Dept. of Chemistry and Biochemistry

Introduction
Stephen Young, MD
Distinguished Professor of Medicine
Professor of Human Genetics

Sigman Memorial Lecture
"UBIAD1, a vitamin K synthetic enzyme that moonlights as a critical regulator of proteostatic control in the cholesterol synthetic pathway"

Poster Session and Reception
Boyer 159/Patio