

## Laufer Distinguished Lectures 2015



### DAVID BOTSTEIN

Chief Scientific Officer, *Calico*  
Former Director, Lewis-Sigler Institute for  
Integrative Genomics, *Princeton*

Thursday October 15 2:30 PM

#### Understanding Cellular Stress Response at the System Level in Yeast

Laufer Center lecture hall 101

Friday October 16 2:30 PM

#### Evolution and Cancer

HSC lecture hall 1 (on level 2)

David Botstein is one of the world's leading geneticists, and is Calico's chief scientific officer. Prior to his appointment with Calico, Botstein was at Princeton University, where he was director of the Lewis-Sigler Institute from 2003-2013, and where he remains the Anthony B. Evnin Professor of Genomics. He taught at MIT (1967-1987); became vice president at Genentech (1987-1990), and then chairman of genetics at Stanford (1990-2003). He was elected to the National Academy of Sciences in 1981 and the Institute of Medicine in 1993.

Botstein contributed to the discovery of transposons in bacteria and an understanding of their physical and genetic properties. He devised genetic methods to study the eukaryotic cytoskeleton in yeast (*Saccharomyces cerevisiae*), notably general ways of detecting gene interactions. In 1980 he made theoretical contributions to human genetics by suggesting, with collaborators, a way to map human disease genes with DNA polymorphisms called restriction fragment length polymorphisms (RFLPs). This became a cornerstone of the new science of genomics.

For more about David Botstein visit his web sites: <http://www.calicolabs.com/david-botstein/> & <http://www.princeton.edu/genomics/botstein/>

[www.laufercenter.org](http://www.laufercenter.org)



**Stony Brook University**