The Indiana University Department of Biology
proudly presents the eighth annual

Carlos O. Miller Lecture in Plant Molecular Biology

"Unraveling Plant Hormone Signaling Networks Using Genome-Wide Approaches"

Presented by

Professor Joseph Ecker

Plant Biology Laboratory, the Salk Institute for Biological Studies

Director of the Salk Institute Genomic Analysis Laboratory

Monday, May 23, 2011
4:00 p.m., Myers Hall 130

Photo courtesy of Joseph Ecker

About Joseph Ecker

Dr. Ecker's research on the gaseous plant hormone ethylene has yielded basic insights into the mechanisms of plant growth control and its application has resulted in technologies that delay fruit ripening and disease processes. His laboratory participated in mapping and sequencing of the *Arabidopsis thaliana* genome and he continues to explore the encyclopedia of DNA elements in *Arabidopsis* and human genomes through the development and application of technologies for genome-wide analysis of DNA methylation, transcription and gene function.

Education:

- Postdoctoral Fellow, Stanford University, Department of Biochemistry, with Ronald Davis.
- Ph.D., Microbiology, Pennsylvania State University College of Medicine
- B.A., Biology/Chemistry, The College of New Jersey

Honors and Professional Activities:

- Recipient, George W. Beadle Award, Genetics Society of America, 2011
- Elected to the National Academy of Sciences, 2006