



life sciences institute

May 13, 2004

Thursday 8:45 am - 5:00 pm

Palmer Commons Auditorium

# EXPLORING THE COMPLEXITY OF LIFE

MICHIGAN LIFE SCIENCES INSTITUTE  
ANNUAL SYMPOSIUM

8:45 am

**Welcome**

**Alan Saltiel**

Director of the Life Sciences Institute

9:00 am

**The Intersection Between  
Bacterial Pathogens and Eukaryotic  
Signal Transduction Systems**

**Jack E. Dixon, PhD**

Dean of Scientific Affairs  
Professor of Pharmacology, Cellular & Molecular  
Medicine, and Chemistry & Biochemistry  
University of California - San Diego

9:50 am

**Cell Signaling by Tyrosine  
Phosphorylation: From the  
Bench to the Bedside**

**Joseph Schlessinger, PhD**

William H. Pinnoff Professor & Chairman of Pharmacology  
Yale University School of Medicine

11:00 am

**Mary Sue and Kenneth Coleman  
Life Sciences Lecture  
Aquaporin Water Channels — From  
Atomic Structures to Clinical Medicine**

Introduction by President Mary Sue Coleman

**Peter Agre, MD**

**2003 Nobel Laureate in Chemistry**

Professor of Biological Chemistry & Medicine  
Johns Hopkins University School of Medicine

1:00 pm

**Of Motions and Metals:  
Diverse Catalytic Strategies  
of Natural Ribozymes**

**Jennifer A. Doudna, PhD**

Investigator, Howard Hughes Medical Institute  
Professor, Molecular & Cell Biology  
University of California - Berkeley

1:50 pm

**The Chaperonin Folding Machine**

**Arthur L. Horwich, MD**

Investigator, Howard Hughes Medical Institute  
Professor of Genetics & Pediatrics  
Yale University School of Medicine

3:00 pm

**The Genes Essential for  
Early Zebrafish Development**

**Nancy Hopkins, PhD**

Amgen, Inc. Professor of Biology  
Massachusetts Institute of Technology

3:50 pm

**Mechanism and Regulation of Vesicle  
Biogenesis in the Secretory Pathway**

**Randy Schekman, PhD**

Investigator, Howard Hughes Medical Institute  
Professor of Molecular & Cell Biology  
University of California - Berkeley

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