

Science's Next Great Idea
Duke's 75th Anniversary Science Symposium
September 25 and 26, 2006
Duke University Medical Center
Durham, NC

Monday, September 25, 2006:

- 9:00 am – 12:00 pm Medical student research presentations
Speakers TBA
LOCATION: Searle Center Lecture Hall
- Graduate student research presentations
Speakers TBA
LOCATION: Bryan Research Building Auditorium (Room 103)
- 12:00 – 1:00 pm Lunch break
- 1:00 – 3:00 pm Medical and graduate student research poster session
LOCATION: Searle Center
- LOCATION: Searle Center Lecture Hall**
- 3:30 – 3:40 pm Introduction and Welcome
R. Sanders Williams, M.D.
Dean, Duke University School of Medicine
- 3:40 – 4:00 pm Presentation of Student Research Awards
Edward Halperin, M.D.
Associate Vice Chancellor for Academic Affairs
Duke University School of Medicine
- 4:00 pm Introduction of Paul Nurse
Peter C. Agre, M.D.
2003 Nobel Prize in Chemistry
Vice Chancellor for Science and Technology
James B. Duke Professor of Cell Biology and Medicine
Duke University School of Medicine
- 4:05 – 5:05 pm Chancellor's Lecture and Keynote
"The Great Ideas of Biology"
Paul Nurse, Ph.D.
2001 Nobel Prize in Physiology or Medicine
President, The Rockefeller University
- Dr. Nurse's lecture will be simulcast to the Schiciano Auditorium in the Fitzpatrick CIEMAS Building.
- 5:05 – 5:35 pm Q&A

Tuesday, September 26, 2006:

LOCATION: Searle Center Lecture Hall (broadcast to Schiciano Auditorium in the Fitzpatrick CIEMAS Building)

8:10 – 8:30 am Welcoming Remarks
Victor J. Dzau, M.D.
R. Sanders Williams, M.D.

PLENARY SESSION:

8:30 – 9:00 am “Unraveling the Sense of Smell”
Linda Buck, Ph.D.
2004 Nobel Prize in Physiology or Medicine
Investigator, Howard Hughes Medical Institute
Associate Director, Basic Science Division, The Fred Hutchinson Cancer Research Center
Affiliate Professor, Department of Physiology and Biophysics
University of Washington, Seattle

CONCURRENT SESSIONS:

Searle Center Lecture Hall

Fitzpatrick CIEMAS

9:15 – 9:45 am “An Ambitious Agenda for Science:
Spreading Innovation and Rationality”
Bruce Alberts, Ph.D.
Former President, National Academy
of Sciences
Professor, Dept. Biochemistry and
Biophysics
University of California, San Francisco

“Genetics, Genomics and the Future of
Medicine”
Richard P. Lifton, M.D., Ph.D.
Sterling Professor of Genetics
and Chairman
Department of Genetics
Investigator, HHMI
Yale University School of Medicine

10:00 – 10:30 am “Curiosities About Growth Factor
Signaling in the Adult Brain”
Steven L. McKnight, Ph.D.
Distinguished Chair in Basic
Biomedical Research
Sam G. Winstead and F. Andrew Bell
Distinguished Chair in Biochemistry
University of Texas Southwestern
Medical Center at Dallas

“Telomerase and the Consequences
of Telomere Dysfunction”
Carol W. Greider, Ph.D.
Daniel Nathans Professor and Director
Dept. of Molecular Biology & Genetics
The Johns Hopkins University School of
Medicine

10:45 – 11:00 am **BREAK**

BREAK

11:00 – 11:30 am “Genetic Protection from Coronary
Artery Disease: From Genes to
Public Health”
Helen H. Hobbs, M.D.

“Transcriptional Control of Heart
Development and Disease”
Eric N. Olson, Ph.D.
Professor and Chairman

Investigator, HHMI
Professor, Internal Medicine and
Molecular Genetics
University of Texas Southwestern
Medical Center at Dallas

Department of Molecular Biology
University of Texas, Southwestern
Medical Center at Dallas

11:45 – 12:15 pm

“Novel Neural Messengers”
Solomon H. Snyder, M.D.
Distinguished Service Professor of
Neuroscience, Pharmacology and
Psychiatry
The Johns Hopkins University School
of Medicine

“From Understanding the Ribosome
Structure and Function to Designing
New Antibiotics”
Thomas A. Steitz, Ph.D.
Sterling Professor of Molecular
Biophysics and Biochemistry
Yale University

12:30 – 1:00 pm

“Bacterial-Host Iron Wars”
Christopher T. Walsh, Ph.D.
Hamilton Kuhn Professor of Biological
Chemistry and Molecular
Pharmacology
Harvard Medical School

“Genomic Approaches to Cancer
Diagnosis and Therapy”
Bruce Stillman, Ph.D.
President
Cold Spring Harbor Laboratory

1:10 – 2:00 pm

Lunch break **[A limited number of boxed lunches will be available for purchase at each auditorium for \$7 each, cash only.]**

PLENARY SESSION:

LOCATION:

Searle Center Lecture Hall (broadcast to Fitzpatrick)

2:00 – 3:00 pm

“How To Solve a Scientific Puzzle: Clues from Broadway and Stockholm”
Joseph L. Goldstein, M.D.
1985 Nobel Prize in Physiology or Medicine
Regental Professor
Julie and Louis A Beecherl Distinguished Chair in Biomedical Sciences
Chairman, Department of Molecular Genetics
Paul J. Thomas Professor of Medicine and Genetics
University of Texas Southwestern Medical Center at Dallas

3:30 pm

Closing Remarks
Victor J. Dzau, M.D.

3:30 – 4:00 pm

Reception, Searle Center