

# **NIBIB Fifth Anniversary Symposium**

## **Changing the World's Healthcare through Biomedical Technologies**

**Friday, June 1, 2007  
Lister Hill Auditorium, NIH Campus  
Bethesda, MD**

**8:00 a.m. Registration and Continental Breakfast**

**Session I: NIBIB: from Dream to Reality**

8:30 a.m. Welcome and Introduction **Dr. Roderic Pettigrew**  
Director  
National Institute of Biomedical Imaging and Bioengineering

8:45 a.m. The NIH and NIBIB **Dr. Elias Zerhouni**  
Director  
National Institutes of Health

9:05 a.m. Bioimaging and Bioengineering Team Science: The Early Years  
**Dr. Alexander Margulis**  
Professor of Radiology  
Cornell University

9:15 a.m. History, Milestones, and Accomplishments  
**Dr. C. Douglas Maynard**  
Wake Forest University School of Medicine  
**Dr. Shu Chien**  
University of California San Diego  
**Dr. Stanley Baum**  
University of Pennsylvania School of Medicine  
**Dr. Robert Norem**  
Georgia Institute of Technology

10:15 a.m. **Commemorative Lecture in Recognition of the NIBIB Landmark  
Achievement Award to 2003 Nobel Laureate Paul Lauterbur:**  
Reflections on the Development of MRI **Dr. Waldo Hinshaw**  
MRI Pioneer

**10:45 a.m. Break**

**Session II: Technology in Medicine**

11:00 a.m. Healthcare Challenges in the 21<sup>st</sup> Century **Dr. Harvey Fineberg**  
President  
Institute of Medicine

11:30 a.m. Regenerative Medicine: A Transformative Technology **Dr. Anthony Atala**  
Chair, Department of Urology  
Director, Institute for Regenerative Medicine  
Wake Forest University School of Medicine

**12:15 p.m. Luncheon**  
**Poster Session: Accomplishments in Technology Transfer** **Patio Buffet**  
**Lister Hill Lobby**

**1:15 p.m. Honored Speaker**  
Reflections on the Discovery of the LASER **Dr. Charles H. Townes**  
Nobel Laureate, Physics, 1964  
University of California, Berkeley

1:45 p.m. Imaging Molecules: the Promise of Preemptive Medicine **Dr. Ralph Weissleder**  
Director, Center for Molecular Imaging Research  
Massachusetts General Hospital  
Harvard Medical School

**2:30 p.m. Break**

**Session III: The Future of Interdisciplinary Science**

2:45 p.m. Training the Interdisciplinary Scientists of Tomorrow **Dr. Shirley Ann Jackson**  
President  
Rensselaer Polytechnic Institute

3:15p.m. **Nagy Awardees Panel:** Experiences of Young Investigators at the Interface of Life  
and Physical Sciences

**Moderators:** Dr. Norbert Pelc (Stanford University)  
Dr. Daniel Sodickson (New York University School of Medicine)

**Participants:** Dr. Jennifer Elisseeff (Johns Hopkins University)  
Dr. Elisa Konofagou (Columbia University)  
Dr. Garry Gold (Stanford University)  
Dr. Joe Tien (Boston University)

4:00 p.m. The Impact of Team Science on Health Care: Experiences and Perspectives on the Future

**Dr. Dennis Spencer**

Harvey and Kate Cushing Professor of Neurosurgery

Chief of Neurosurgery

Yale University

**Dr. James Duncan**

Professor of Biomedical Engineering, Diagnostic Radiology, and Electrical Engineering

Chair, Biomedical Engineering Program

Director of Undergraduate Studies, Biomedical Engineering Program

Yale University

4:45 p.m. **Adjourn**

**Dr. Roderic Pettigrew**