

## University of Colorado School of Medicine St. Geme Lecturers

**1987 – Larry J. Shapiro, MD**

Professor of Pediatrics and Biological Chemistry Chief, Division of Medical Genetics  
UCLA School of Medicine

**1988 – Stuart Kornfeld, MD**

Professor of Medicine  
Washington University School of Medicine

**1989 – Jeffrey L. Sklar, MD, PhD**

Professor of Pathology  
Harvard Medical School

**1990 – M. Judah Folkman, MD**

Professor of Pediatric Surgery  
Julia Dyckman Andrus Professor of Pediatric Surgery  
Harvard Medical School

**1991 – Robert L. Barchi, MD, PhD**

Professor and Chairman, Department of Neurology  
David Mahoney Professor of Neuroscience Institute of Neurological Sciences  
University of Pennsylvania School of Medicine

**1992 – Michael S. Brown, MD\***

Paul J. Thomas Professor of Genetics  
Director, Johnson Center for Molecular Genetics  
Distinguished Chair in Biomedical Sciences  
University of Texas Southwestern School of Medicine

**1993 – Haig Kazazian, MD**

Professor of Pediatrics  
Johns Hopkins School of Medicine

**1994 – Antonio R. Damasio, MD, PhD**

Professor and Chairman, Department of Neurology  
University of Iowa School of Medicine

**1995 – Robert J. Lefkowitz, MD\***

James B. Duke Professor of Medicine  
Duke University School of Medicine

**1996 – John W. Griffin, MD**

Professor and Chairman, Department of Neurology  
Johns Hopkins School of Medicine

**1997 – Michael A. Gimbrone, MD**

Professor of Pathology  
Harvard Medical School

**1998 – Arnold W. Strauss, MD**

Professor of Pediatrics  
Washington University School of Medicine

**1999 – Charles A. Dinarello, MD**

Professor of Medicine  
University of Colorado School of Medicine

**2000 – Stanley B. Prusiner, MD\***

Professor, Department of Neurology  
Director, Institute of Neurodegenerative Diseases  
UCSF School of Medicine

**2001 – John Q. Trojanowski, MD, PhD**

Professor, Center for Neurodegenerative Disease  
Research Department of Pathology and Laboratory Medicine  
University of Pennsylvania School of Medicine

**2002 – Richard Lifton, MD**

Professor and Chair, Genetics  
Yale University School of Medicine

**2003 – Huda Y. Zoghbi, MD**

Professor, Departments of Pediatrics, Neurology, Neuroscience, and Molecular & Human Genetics  
Baylor College of Medicine

**2004 – Douglas C. Wallace, PhD**

Donald Bren Professor of Molecular Medicine Director, Center for Molecular & Mitochondrial Medicine and Genetics,  
University of California

**2005 – Bernard C. Rossier, MD**

Professor of Pharmacology and Toxicology  
University of Lausanne

**2006 – Christopher A. Walsh, MD, PhD**

Bullard Professor of Neurology  
Harvard Medical School

**2007 – Oliver Smithies, PhD\***

Excellence Professor of Pathology and Laboratory Medicine  
University of North Carolina at Chapel Hill

**2008 – Joseph W. St. Geme, III, MD**

James B. Duke Professor and Chair of Pediatrics  
Professor of Molecular Genetics and Microbiology  
Duke University Medical Center

**2009 – Thomas R. Cech, PhD\***

Distinguished Professor  
Departments of Chemistry and Biochemistry  
University of Colorado at Boulder  
Director, Colorado Institute in Molecular Biotechnology

**2010 – Maria I. New, MD**

Professor of Pediatrics, Genetics and Genomic Services Director,  
Adrenal Steroid Disorders Program  
Mount Sinai School of Medicine

**2011 – David H. Rowitch, MD, PhD**

Professor of Pediatrics and Neurological Surgery Chief, Division of Neonatology  
University of California San Francisco

**2012 – Irving Weissman, MD**

Professor of Department of Pathology and Development Biology  
Director, Institute for Stem Cell Biology and Regenerative Medicine  
Stanford University School of Medicine

**2013 – Joel Hirschhorn, MD, PhD**

Concordia Professor of Pediatrics and Professor of Genetics,  
Harvard Medical School  
Director, Center for Basic and Translational Obesity Research,  
Boston Children's Hospital  
Senior Associate Member, Broad Institute

**2014 – Deepak Srivastava, MD**

Director, Gladstone Institute of Cardiovascular Disease  
Professor, Departments of Pediatrics and Biochemistry & Biophysics  
University of California San Francisco

**2015 – Stuart H. Orkin, MD**

David G. Nathan Professor of Pediatrics,  
Department of Pediatrics, Harvard Medical School Investigator,  
Howard Hughes Medical Institute Chairman, Pediatric Oncology,  
Dana Farber Cancer Institute

**2016 – Arthur L. Horwich, MD**

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

**2017 – Carol W. Greider, PhD\***

Daniel Nathans Professor and Director, Department of Molecular Biology and Genetics  
John Hopkins University School of Medicine

**2018 – Robert M. Califf, MD, MACC**

Vice Chancellor for Health Data Science Director, Duke Forge  
Donald F. Fortin, MD Professor of Cardiology  
Duke University  
Advisor, Verily Life Sciences

**2019 – Jeffrey C. Murray, MD**

Professor of Pediatrics - Neonatology  
Professor of Anatomy and Cell Biology Professor of Biology  
Professor of Epidemiology  
Deputy Director, Discovery and Translational Sciences, Bill & Melinda Gates Foundation  
University of Iowa

\*Nobel Laureate



34TH ANNUAL

## Joseph W. St. Geme, Jr., MD Lectureship at Pediatric Grand Rounds

September 11, 2020

12:30 – 1:30 p.m.

Virtual Lecture via Zoom

Zoom Link: <https://zoom.us/j/293160798>

## Presentation of the Joseph W. St. Geme Jr., MD, Medical Student Award

Josten R. Overall, MSIV, MPH - Candidate

Caroline Rowlands, MD – Mentor

## *Insight into Neurodegenerative Disease from Drosophila*

Nancy M. Bonini, PhD

Florence R.C. Murray Professor

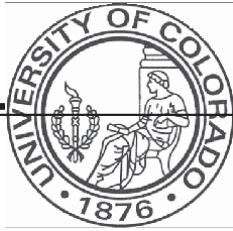
Department of Biology

Adjunct Professor of Neuroscience & Cell and

Developmental Biology

School of Arts & Sciences & the Perlman School of Medicine

University of Pennsylvania



## **Joseph W. St. Geme, Jr., MD**

*Dean of the School of Medicine  
University of Colorado*

**1985 – 1986**

Dr. Joseph W. St. Geme, Jr., fifteenth dean of the University of Colorado School of Medicine was appointed to that office on January 1, 1985, and served until his untimely death on Saturday, October 11, 1986, at age 55. Despite the brevity of his tenure, he brought to the School a renewed sense of purpose and direction and a record of accomplishment that will be felt for many years to come.

A forward-looking leader of great energy, enthusiasm, imagination, and determination, for whom obstacles existed to be overcome, Dr. St. Geme successfully recruited eight outstanding departmental chairs during his twenty-one months in office. He also strengthened and expanded the School's research, educational, and patient care programs to better meet the challenges posed by the revolution in the health sciences and health care delivery.

Dr. St. Geme received both his Bachelor of Science and Doctor of Medicine degrees from Stanford University, where he also played football – including in the Rose Bowl in 1952 – and received All Pacific Coast and All-American honorable mentions. He subsequently completed residency training in Pediatrics at the University of Minnesota, where he went on to become Associate Professor of Pediatrics before joining the medical faculty of the University of California in Los Angeles in 1966 as Chairman of Pediatrics, Harbor-UCLA Hospital. From 1981- 1983 he was President of the Association of Medical School Pediatric Department Chairmen and President of the American Board of Pediatrics. At the time of his death, he was President-elect of the American Pediatric Society.

In honor of Dr. St. Geme, in 1987, the St. Geme family established the St. Geme Lectureship and the Joseph W. St. Geme Memorial Endowment. Each year the Joseph W. St. Geme, Jr., MD, Award for Outstanding Research by a Resident is given by the Department of Pediatrics. Another award will be given at the Lectureship for a deserving fourth-year medical student who has demonstrated outstanding research with a mentor and who is interested in a career in academic pediatrics.



## **Nancy M. Bonini, PhD**

**Florence R.C. Murray Professor  
Department of Biology**

**Adjunct Professor of Neuroscience & Cell and Developmental Biology  
School of Arts & Sciences & the Perlman School of Medicine  
University of Pennsylvania**

Nancy M. Bonini is Professor of Biology at the University of Pennsylvania in Philadelphia, PA. After receiving her PhD at the University of Wisconsin-Madison with David L. Nelson, she performed postdoctoral work at Caltech learning the *Drosophila* system, in studies with Seymour Benzer. She started her own research laboratory at Penn in 1994, where she launched the studies that use *Drosophila* as a model for human disease. In this work, she expressed various human disease genes in the fly and to show that the genes conferred an effect in flies that mimicked human neurodegenerative disease features. She then launched discovery of genetic pathways that influence these effects, defining pathways that can prevent disease as well as pathways that contribute to disease.

Her research has received numerous honors including a March of Dimes Basil O'Connor Award, a David and Lucile Packard Fellowship for Science and Engineering, an NIH Eureka award, an Ellison Medical Foundation Senior Scholar Award, and an NIH R35 Outstanding Investigator Award. She was also named a Howard Hughes Medical Institute Investigator. She has served on the Board of Directors of the Genetics Society of America and is currently a member of the Scientific Advisory Board of the Glenn Foundation for Medical Research.

She is the Florence RC Murray Professor of Biology and has been elected to the National Academy of Sciences, the National Academy of Medicine, and the American Academy of Arts and Sciences.