The Department of Neurology and Columbia University MD-PhD Program present

The 46th Annual Andrew Mark Lippard Memorial Lecture


Laurie Garrett
Award-winning Science Writer and Author

September 25, 2020 | 5:00 p.m.
Via Zoom Webinar
The Andrew Mark Lippard Memorial Lectures

The Andrew Mark Lippard Memorial Lectures were established in 1975 in memory of Professor and Mrs. Stephen J. Lippard’s seven year-old son, who had died of an acute encephalopathy two years previously. Professor Lippard, who was then a member of the Department of Chemistry at Columbia, and his wife established these lectures to stimulate studies on the cause and pathogenesis of encephalopathic disease, particularly with respect to viral components. As the field has evolved, so, too, has the scope of lecture topics. The Lippard Lectures are co-sponsored by the Andrew Mark Lippard Memorial Fund, the Columbia MD-PhD Program, and the Department of Neurology. The lectures are traditionally given in the fall, as close as reasonably possible to September 29th, the date of Andrew’s death.

The first Lippard Lecturer was Dr. Philip R. Dodge. Subsequent lecturers were usually prominent virologists (e.g. Richard T. Johnson, Michael B. Oldstone, Thomas C. Merigan). Topics began to vary more widely in 1982 with Leon E. Rosenberg, Robert G. Schulman, and Stanley B. Pruisner. A complete list of Lippard Lecturers is provided in this brochure. Of note, four former Lippard Lecturers have subsequently won The Nobel Prize.

Selection Committee

Dritan Agalliu, PhD
Philip De Jager, MD, PhD
Michio Hirano, MD
Stephen Lippard, PhD (ex officio)
George Mentis, PhD

Serge Przedborski, MD, PhD (Chair)
Steven Reiner, MD
Jonathan Rosand, MD
Catherine Schevon, MD, PhD
Neil Shneider, MD, PhD
Ai Yamamoto, PhD
Ms. Laurie Garrett is an award-winning science writer and author. She is the only writer to have been awarded all of the “Three P’s” of journalism – The Peabody, Polk, and Pulitzer. Ms. Garrett is the author of three books: The Coming Plague, Betrayal of Trust, and I Heard the Sirens Scream. For thirteen years, Ms. Garrett was a Senior Fellow for Global Health at the Council on Foreign Relations, focused on the national security aspects of emerging diseases and climate change. Currently, she is a member of the World Economic Forum Global Health Security Advisory Board, the Council on Foreign Relations, and the National Association for Science Writers.
Lippard Lectures (1975–2019)

2019  Jean-Laurent Casanova, MD, PhD
       Rockefeller University
       Toward A Genetic Theory of Childhood Infectious Diseases

2018  Professor Emmanuelle Charpentier
       Max Planck Unit for the Science of Pathogens – Berlin
       The Transformative Genome Engineering CRISPR-Cas9 Technology: Lessons Learned from Bacteria

2017  Josep Dalmau, MD, PhD, FAAN
       University of Barcelona; University of Pennsylvania
       Antibody-Mediated Encephalitis: Symptoms and Mechanism

2016  Mary E. Hatten, PhD
       Rockefeller University
       Mechanisms of Cerebellar Development: Migration, Circuit Formation and Synaptic Plasticity

2015  Robert L. Macdonald, MD, PhD
       Vanderbilt University
       Genetic Epilepsies and GABAA Receptor Mutations

2014  Cori Bargmann, PhD
       Rockefeller University
       Using Fixed Circuits to Generate Flexible Behaviors

2013  Angela Vincent, MB, PhD, FRS
       Oxford University
       Autoimmune Encephalitis—How Wide is the Spectrum?

2012  Elizabeth Engle, MD, PhD
       Harvard University
       Human Disorders of Axon Growth and Guidance

2011  Thomas C. Südhof, MD*
       Stanford University
       Neurotransmitter Release and Neurodegeneration—the SNARA Connection

2010  Kenneth L. Tyler, MD
       University of Colorado
       West Nile Virus and the Nervous System

2009  James O. McNamara, MD
       Duke University
       Neurotrophin Receptor, TrkB, and Epileptogenesis

2008  Susan Lindquist, PhD
       MIT/Whitehead Institute
       Protein Folding and Misfolding in Neurobiology

2007  Arnold R. Kriegstein, MD, PhD
       University of California, San Francisco
       Neural Stem and Progenitor Cells in Cortical Development and Therapeutics

2006  Lawrence Steinman, MD
       Stanford University
       The Implications of the Surprisingly Confluent Inflammatory Portraits of Multiple Sclerosis, Tay Sachs Disease and Adrenoleukodystrophy

2005  Roger Tsien, PhD*
       University of California, San Diego
       Building Molecules to Spy on Neurons and Tumors
1989  Paul Jolicoeur, MD, PhD  
University of Montreal and McGill University  
*Determinants of Pathogenicity of a Neurotropic Murine Retrovirus*

1988  Hugh O’Neill Mcdevitt, MD  
Stanford University School of Medicine  
*The Role of the Major Histocompatibility Complex in Immunity and Autoimmunity*

1987  Malcolm A. Martin, MD  
National Institute of Allergy and Infectious Disease  
*Molecular Biology of the AIDS Virus*

1986  James F. Gusella, PhD  
Harvard Medical School  
*Molecular Genetics of Huntington’s Disease*

1985  Stanley B. Prusiner, MD*  
University of California, San Francisco  
*Prions Causing Scrapie and Creutzfeldt-Jakob Disease*

1984  Robert G. Shulman, PhD  
Yale University  
*High Resolution NMR Studies of Brain Metabolism In Vivo*

1983  Bernard N. Fields, MD  
Harvard Medical School  
*Molecular Mechanisms of Viral Pathogenesis*

1982  Robert A. Fishman, MD  
University of California, San Francisco  
*Pathophysiology and Biochemistry of Brain Edema*

1981  Leon E. Rosenberg, MD  
Yale University  
*Hyperammonemia as a Cause of Encephalopathy in Children with Inborn Errors of Metabolism*

1980  Julius S. Youngner, ScD  
University of Pittsburgh  
*Persistent Infection and the Evolution of Viruses*

1979  Thomas C. Merigan, MD  
Stanford University Medical Center  
*Human Interferon as a Therapeutic Agent*

1978  Abner L. Notkins, MD  
National Institute of Dental Health  
*Viral Tropism, Encephalitis, and Diabetes Mellitus in Animals and Humans*

1977  Michael B. Oldstone, MD  
Scripps Clinic and Research Foundation  
*Viral Persistence and Disease*

1976  Richard T. Johnson, MD  
Johns Hopkins School of Medicine  
*Selective Vulnerability of Neural Cells to Viral Infection*

1975  Philip R. Dodge, MD  
Washington University  
*Acute Encephalopathies of Childhood—An Historical Overview*

* Subsequently won Nobel Prize