January 7
Current Status of Emerging and Re-emerging Infectious Diseases
Anthony Fauci, MD, NIAID
Roger Glass, MD, PhD
 Fogarty International Center
Vaccine challenges: Example Rotovirus

January 14
Ebola: Then, Now and the NIH
Daniel Chertow, MD, MPH, CC
Vincent Munster, PhD, NIAID
Nancy Sullivan, PhD, NIAID

January 21
Biophotonics: From Light Pulses to Heart Pulses: Viewing Life on the Inside
Bruce Tromberg, PhD, NIBIB

January 28
Taxol: Discovery, Mechanism and Cancer Treatment
Susan Band Horwitz, PhD, Albert Einstein College of Medicine
Jung-Min Lee, MD, NCI

February 4
HIV: Latest Challenges in Mechanism and Management
John Coffin, PhD, NCI/Tufts
Frank Maldarelli, MD, PhD, NCI

February 11
Addiction and Pain: Are They Inseparable?
Nora Volkow, MD, PhD, NIDA
Catherine Bushnell, PhD, NCCIH

February 18
Autophagy: Mechanisms and Neurodegenerative Disease
Anna Marie Cuervo, MD, PhD
Albert Einstein College of Medicine
Michael Ward, MD, PhD, NINDS

February 25
Tracing Memories from Molecular Footprints to Alzheimer’s Disease
Lorna Role, PhD, NINDS
Dimitrios Kapogiannis, MD, NIA

March 3
Encephalitis and the Immune System
Avindra Nath, MD, NINDS
Bryan Smith, MD, NINDS

March 10
Challenges of Childhood Disorders of Mood and Attention
Philip Shaw, PhD, NHGRI
Argyris Stringaris, MD, PhD, NIMH

March 17
Diversity and Disease in the Genomic Era
Gary Gibons, MD, NHLBI
Anne Sumner, MD, NIDDK

March 24
Bone Marrow Based Therapies
Cynthia Dunbar, MD, NHLBI
Harry Malech, MD, NIAID

March 31
Viruses and Immunodeficiency: Mechanisms and Management
Philip Murphy, MD, PhD, NIAID
Heidi Kong, MD, NIAMS

April 7
Multiple Sclerosis: Advances in Pathogenesis and Treatment
Bibiana Bielekova, MD, NIAID
Alison Wichman, MD, NIAID

April 14
Sickle Cell Anemia: Treatable and/or Curable?
John Tisdale, MD, NHLBI
Alan Schechter, MD, NIDDK

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Role of the Microbiome in Nutrition Inflammation and Cancer
Yasmine Belkaid, PhD, NIAID
Giorgio Trinchieri, MD, NCI

April 28
Biomedical Challenges in Space: Human Biology, the International Space Station and Beyond
Mark Shelhamer, DSc, Johns Hopkins (former Chief Scientist: NASA Human Research Program)
Christopher Wanek, MS, Science and Health Writer

May 5
RNA Viruses: How They Do What They Do
Karla Kirkegaard, PhD, Stanford University
Nihal Altan Bonnet, PhD, NHLBI

May 12
Finale: Current and Future Opportunities for PhD’s in Biomedical Research
Roland Owens, PhD, OD
Jonathan Yewdell, MD, NIAID
Irwin “Win” Arias, MD, CC/OD
TBN others

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