



**BRIDGING
THE GAP**

**2020
DEMYSTIFYING
MEDICINE**

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*
 and colleague

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 Gibbons, 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*

April 21

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 Wanjek, 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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