



NIH DIRECTOR'S WEDNESDAY AFTERNOON LECTURE SERIES 2024-2025

2:00 p.m.–3:00 p.m.
Lipsett Amphitheater
Building 10


FALL 2024 ▼




SEPTEMBER 11, 2024
Margaret Pittman Lecture
Eve Marder
Cryptic (hidden) Changes that Result from Perturbations and Climate Change Shape Future Dynamics of Degenerate Neurons and Circuits



SEPTEMBER 18, 2024
Lei Wang
Biospecific Chemistry for Covalent Linking of Biomacromolecules




SEPTEMBER 25, 2024
Manu Prakash
Frugal Science: A Toolmaker's Approach for Tackling Problems in Global Health, Ecological Monitoring, and Science Education




OCTOBER 9, 2024
Jennifer Phillips-Cremins
The Science of Connections: Bridging Chromatin Folding, Synaptic Plasticity, and Neurophysiology




OCTOBER 23, 2024
Bradley J. Aimone
How Neuromorphic Computing Can Help Us Understand the Brain



OCTOBER 30, 2024
Christian Happi
Genomic Surveillance and Characterization of Microbial Threats Facilitates Early Detection and Containment of Disease Outbreaks in West Africa




NOVEMBER 6, 2024
Astute Clinician Lecture
Mariana Kaplan
Heart of the Matter: Unraveling Cardiovascular Disease in Autoimmune Disorders

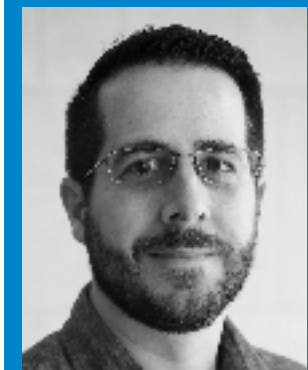


NOVEMBER 20, 2024
DeWitt Stetten Jr. Lecture
Sudha Chakrapani
Molecular Mechanisms Underlying Glycinergic Neurotransmission

WINTER 2024-2025 ▼



DECEMBER 4, 2024
NIH Director's Lecture
William Clemons, Jr.
Mechanisms of Phage-Derived Protein Antibiotic




DECEMBER 11, 2024
Rolla E. Dyer Lecture
Jason McLellan
Structure-Based Vaccine Antigen Design




DECEMBER 18, 2024
Brenda Gallie
Rare Retinoblastoma Contributed Over 50 Years to Understanding Cancer: Can We Now Reach Every Child?




JANUARY 8, 2025
Jonathan Kipnis
Navigating Uncharted (Neuroimmune) Waters




JANUARY 15, 2025
Bita Moghaddam
Evolution of the Glutamate Models of Psychosis




JANUARY 22, 2025
Tom Rapoport
How Proteins Cross Membranes



JANUARY 29, 2025
Marshall W. Nirenberg Lecture
Alexis Thompson
Sickle Cell Disease: Progress and Opportunities for Equity



FEBRUARY 12, 2025
NIH Director's Lecture
Donita Brady
Harnessing Chemical Interactions to Explore Tumor Cell Biological Responses to Fluctuations in Metal and Micronutrient Availability




FEBRUARY 19, 2025
Digna Velez Edwards
Integrating EHR and Genomic Data in Women's Health Research




FEBRUARY 26, 2025
Ana Diez Roux
Two Decades of NIH-Funded Research on Social Determinants of Health and Health Inequities


SPRING 2025 ▼




MARCH 5, 2025
G. Burroughs Mider Lecture
Elaine Jaffe
The Microscope as a Tool for Disease Discovery




MARCH 12, 2025
Daniela Salvemini
Considering Neuropathic Pain States as Sphingopathies Amenable to Anti Sphingolipid-Based Therapies




MARCH 19, 2025
NIH Director's Lecture
Edward Chang
Deciphering the Neural Code of Speech




MARCH 26, 2025
Daniela Zarnescu
Of Flies and Men: Harnessing the Power of Drosophila to Decipher the Molecular Mechanisms of Neurodegeneration




APRIL 2, 2025
Florence Mahoney Lecture on Aging
Vadim Gladyshev
Targeting Aging, Longevity, and Rejuvenation



APRIL 9, 2025
Guoping Feng
Dissecting Neurobiological Mechanisms of ASD: From Genes to Circuits



APRIL 23, 2025
Yousin Suh
Title TBA



MAY 7, 2025
Robert S. Gordon Jr. Lecture
Lisa Barnes
Title TBD



MAY 14, 2025
George Khoury Lecture
Ileana Cristea
The Virus Microenvironment in 2D and 3D



MAY 21, 2025
William E. Paul Lecture
Ruslan Medzhitov
Immunology From First Principles




MAY 28, 2025
Huda Akil
The Emotional Brain: Role in Depression and Addiction


SUMMER 2025 ▼



JUNE 4, 2025
Sandeep Datta
Mechanisms and Meaning for Smell



JUNE 11, 2025
Margaret Pittman Lecture
Carolyn Bertozzi
Bioorthogonal Chemistry: The Journey from Basic Science to Clinical Translation



JUNE 18, 2025
Kafui Dzirasa
Discovering and Regulating Brain Networks Underlying Emotions



JUNE 25, 2025
Purificacion Lopez-Garcia
A Microbial World's View on Biological Evolution

30 *Years*
of **WALS!**
1994-2024



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