

# NIH DIRECTOR'S WEDNESDAY AFTERNOON LECTURE SERIES 2020-2021

3:00 p.m.–4:00 p.m.  
Remote-only Lectures via  
[videocast.nih.gov](https://videocast.nih.gov)

## FALL 2020 ▼



SEPTEMBER 23, 2020  
**Joan Steitz**  
Viral Noncoding RNAs:  
Approaching Answers



SEPTEMBER 30, 2020  
**Caetano Reis e Sousa**  
DaNGeRous Indigestion and  
Immunity to Cancer



OCTOBER 7, 2020  
*William E. Paul Lecture*  
**Michel Nussenzweig**  
Human Antibody Responses to  
SARS-CoV-2



OCTOBER 14, 2020  
**Mark T. Nelson**  
Translating Thought into Blood  
Flow in the Brain: Capillaries as  
Sensors of Neural Activity



OCTOBER 21, 2020  
**Carolyn Bertozzi**  
Therapeutic Opportunities in  
Glycoscience



OCTOBER 28, 2020  
*Rolla E. Dyer Lecture*  
**Lisa Cooper**  
Deep and Wide: The Voyage to  
Discover Local and Global  
Health Equity



NOVEMBER 4, 2020  
*Astute Clinician Lecture*  
**Ellen Sidransky**  
Gaucher Disease: How a Rare Disease  
Provides a Window into Common  
Neurodegenerative Disorders



NOVEMBER 18, 2020  
*DeWitt Stetten Jr. Lecture*  
**Emery Brown**  
Rethinking General Anesthesia

## SPRING 2021 ▼



MARCH 3, 2021  
*George Khoury Lecture*  
**Karla Kirkegaard**  
RNA Antics in Viral Drug  
Resistance and Host  
Immunosuppression



MARCH 10, 2021  
**Paul E. Turner**  
Phage Therapy to Combat  
Infections by Antibiotic-Resistant  
Bacteria



MARCH 24, 2020  
**Phillip D. Zamore**  
Are piRNAs the Guardian  
Angels of the Genome or  
Just Tiny Narcissists?



MARCH 31, 2021  
*Florence Mahoney Lecture  
on Aging*  
**Tony Wyss-Coray**  
Young Blood for Old Brains



APRIL 21, 2021  
*G. Burroughs Mider lecture*  
**Brigitte Widemann**  
Advancing Therapies for Children and  
Adults with Rare Tumors or Genetic  
Tumor Predisposition Syndromes



APRIL 28, 2021  
**Jue Chen**  
CFTR, the Odd ABC Transporter  
Responsible for Cystic Fibrosis



MAY 19, 2021  
*NIH Director's Lecture*  
**Eric Topol**  
The AI Path to Deeper and  
More Accurate Medicine



MAY 26, 2021  
**Michael K. Rosen**  
Droplets, Droplets  
Everywhere...Cell Organization  
by Liquid-Liquid Phase  
Separation

## WINTER 2020-2021 ▼



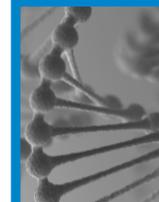
DECEMBER 2, 2020  
**Cathy Drennan**  
Shake, Rattle, and Roll:  
Capturing Snapshots of  
Ribonucleotide Reductase  
in Action



DECEMBER 16, 2020  
**Sandro Galea**  
The Contagion Next Time:  
Underlying Socioeconomic and  
Racial Divides and Our Risk from  
COVID and Future Pandemics



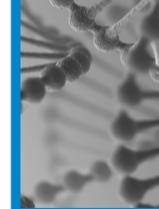
JANUARY 6, 2021  
**Omowunmi "Wunmi"  
Sadik**  
SMART Biosensors:  
A New Modality to Objectively  
Quantify Pain



JANUARY 13, 2021  
**Special NIAID and  
NHGRI Event**  
What's Next in Genomics:  
Reflecting on the Impact of  
Bacterial, Human and Human  
Metagenome Sequences



JANUARY 27, 2021  
**Kim Orth**  
Black Spot, Black Death, Black  
Pearl: the Tales of Bacterial  
Effectors



**Francis Collins**  
(moderator)  
**Claire M. Fraser**  
**Eric S. Lander**  
**Charles Rotimi**



FEBRUARY 3, 2021  
**Aviv Regev**  
Design for Inference: From Cells  
to Circuits in Biology



FEBRUARY 10, 2021  
**Kristine Yaffe**  
Epidemiology of Cognitive  
Aging: Why Observational  
Studies Still Matter



FEBRUARY 17, 2021  
*Margaret Pittman Lecture*  
**Eve Higginbotham**  
Peering Beyond the Blindspot  
Seeking Authentic Risk Factors:  
A Case Study



FEBRUARY 24, 2021  
*Marshall W. Nirenberg Lecture*  
**Rachel Green**  
Colliding Ribosomes Function  
as a Sentinel for Cellular Distress



MARCH 16, 2021  
*Special Tuesday Lecture*  
**John Coffin**  
These Viruses Are Forever:  
Consequences of Retroviral DNA  
Integration to AIDS and Evolution



MARCH 17, 2021  
**Michael Laub**  
Innate Immunity for Bacteria  
Against Phage



APRIL 7, 2021  
*Florence Mahoney Lecture  
on Aging*  
**Anne Brunet**  
Understanding and  
Modeling Aging



APRIL 14, 2021  
**Luda Diatchenko**  
The Role of Genetics in Pain  
and What We Can Learn  
From It



MAY 5, 2021  
*NIH Director's Lecture*  
**Hugh Herr**  
On the Design of Bionic Limbs:  
The Science of Tissue-Synthetic  
Interface



MAY 12, 2021  
*George Khoury Lecture*  
**Yuan Chang**  
Human Oncogenic Viruses:  
Nature and Discovery

## SUMMER 2021 ▼



JUNE 2, 2021  
*NIH Director's Lecture*  
**Catherine Dulac**  
Neurobiology of Social Behavior  
Circuits



JUNE 9, 2021  
*G. Burroughs Mider lecture*  
**Mariana Kaplan**  
Casting the Net Wide: The  
Role of Neutrophils in Chronic  
Diseases



JUNE 16, 2021  
**Ileana M. Cristea**  
Dynamic Organelle Shape and  
Function During Herpesvirus  
Infection



JUNE 30, 2021  
**Marina Ramirez-  
Alvarado**  
Protein Misfolding



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