

# NIH DIRECTOR'S WEDNESDAY AFTERNOON LECTURE SERIES 2019-2020


3:00 p.m.  
Masur Auditorium\*  
Building 10

\*(December – February lectures  
will be held in Lipsett Auditorium)

## FALL 2019 ▼




OCTOBER 2, 2019  
*William E. Paul Lecture*  
**Max D. Cooper**  
Evolution of adaptive immunity in vertebrates




OCTOBER 16, 2019  
*NIH Director's Lecture*  
**Miguel A. Nicolelis**  
Brain-machine interfaces: from basic science to neuroprostheses and neurological recovery



OCTOBER 23, 2019  
*DeWitt Stetten Jr. Lecture*  
**Christina D. Smolke**  
Scalable platforms for generating RNA sensors and controllers



NOVEMBER 6, 2019  
**Craig M. Crews**  
PROTAC-mediated protein degradation: a new therapeutic modality




NOVEMBER 20, 2019  
**Ralph R. Isberg**  
Bad deeds go unpunished: The vacuole guard hypothesis and pathogen intracellular growth

## WINTER 2019 -2020 ▶




DECEMBER 4, 2019\*  
**Sonia Vallabh & Eric Minikel**  
A patient-scientist's road toward primary prevention in genetic prion disease




DECEMBER 11, 2019\*  
*Astute Clinician Lecture*  
**Emily Y. Chew**  
We are what we eat: nutrition, genes, cognition, and deep learning in age-related macular degeneration




DECEMBER 18, 2019\*  
**Melody Goodman**  
You want to quantify that?! The science and metrics of partner engagement in research




JANUARY 15, 2020\*  
**Ileana M. Cristea**  
Dynamic organelle shape and function during herpesvirus infection



JANUARY 29, 2020\*  
**Gilda Barabino**  
A two-act play: the character of cells and the role of biomechanics




FEBRUARY 5, 2020\*  
*NIH Director's Lecture*  
**Mona Singh**  
Title TBD




FEBRUARY 25, 2020\*  
*Marshall Nirenburg Lecture Tuesday Lecture*  
**Frances Arnold**  
Innovation by evolution: bringing new chemistry to life

## SPRING 2020 ▼




MARCH 4, 2020  
**Kevin L. Gardner**  
Race and the molecular biology of breast cancer: a pathologist's view from the bench to the bedside




MARCH 11, 2020  
*NIH Director's Lecture*  
**James P. Allison**  
Immune checkpoint blockade in cancer therapy




MARCH 18, 2020  
*Rolla E. Dyer Lecture*  
**Lisa A. Cooper**  
Deep and wide: the voyage to discover local and global health equity



MARCH 25, 2020  
**Mark T. Nelson**  
Translating thought into blood flow in the brain: capillaries as sensors of neural activity



APRIL 1, 2020  
**Susan Parkhurst**  
Wound repair: dealing with life's little traumas




APRIL 8, 2020  
*Florence Mahoney Lecture on Aging*  
**Anne Brunet**  
Understanding and modeling aging



APRIL 15, 2020  
**Kim Orth**  
Black spot, black death, black pearl: the tales of bacterial effectors



APRIL 22, 2020  
**Jue Chen**  
CFTR, the odd ABC transporter responsible for cystic fibrosis



APRIL 29, 2020  
*G. Burroughs Mider Lecture*  
**Mariana J. Kaplan**  
Casting the NET wide: the role of neutrophils in chronic diseases



MAY 6, 2020  
*George Khoury Lecture*  
**Karla Kirkegaard**  
RNA antics in viral drug resistance and host immunosuppression



MAY 12, 2020  
*Tuesday Lecture*  
**Michael K. Rosen**  
Droplets, droplets everywhere... cell organization by liquid-liquid phase separation



MAY 20, 2020  
**Kim D. Janda**  
Treating man-made drugs of abuse and overdose: a natural approach




MAY 27, 2020  
*Margaret Pittman Lecture*  
**Eve J. Higginbotham**  
Peering beyond the blindspot seeking authentic risk factors: a case study


## SUMMER 2020 ▼



JUNE 3, 2020  
*Robert S. Gordon Jr. Lecture*  
**Kristine Yaffe**  
Epidemiology of cognitive aging: why observational studies still matter



JUNE 10, 2020  
**Leonard Zon**  
Stem cells growing up and finding their niche



JUNE 17, 2020  
**Judith Frydman**  
Knowing right from wrong (protein conformation): the challenging choices of (molecular) chaperones



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