# WEDNESDAY AFTERNOON LECTURE SERIES 2017–2018

3:00 p.m. Masur Auditorium Building 10

December 2017

### September 2017



SEPTEMBER 27, 2017 NIH Director's Lecture (first of four) **Roderick MacKinnon** Biophysics and biology of K+ channels

#### October 2017



OCTOBER 11, 2017 **Michal Schwartz** Systemic immunity protects the mind: Can immune checkpoint blockade combat Alzheimer's disease?



February 2018

**Jennifer Manly** Deconstructing lifecourse mechanisms of Alzheimer's disease disparities



OCTOBER 25, 2017 DeWitt Stetten Jr. Lecture **Rommie Amaro** Computing cures: discovery through the lens of a computational microscope

FEBRUARY 7, 2018

Sugar and the beating heart:

**FEBRUARY 21, 2018** 

Hematopoietic stem cells in

stress, disease, and aging

**Emmanuelle Passagué** 

the conundrum of heart failure

Astute Clinician Lecture

E. Dale Abel

in diabetes

#### November 2017



**Morgan Sheng** From human genetics to therapeutic hypothesis for nervous system disorders: pain and Alzheimer's diseaser

NOVEMBER 8, 2017



**Rob Knight** Establishing causality in microbiome studies \*Special Tuesday Lecture

**NOVEMBER 29, 2017** 

**Thomas Waldmann** 

The two faces of the IL-15- Janus

Kinase-Stat system: implications

for the immunotherapy of autoimmune diseases and cancer

William Paul Lecture

**NOVEMBER 14, 2017** 



**DECEMBER 13, 2017 Susan Ackerman** Translational fidelity and neurodegeneration

**DECEMBER 6, 2017** 

how cells control who they're

talking to and what they're

**Michael Elowitz** 

Cellular communication:

January 2018



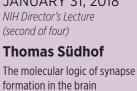
**JANUARY 10, 2018 Eric Pamer** Microbiota-mediated defense against antibiotic-resistant infections



**JANUARY 24, 2018** William Kaelin The VHL tumor suppressor: insights into oxygen sensing, cancer metabolism, and



JANUARY 31, 2018 NIH Director's Lecture (second of four) **Thomas Südhof** 



# drugging the undruggable



**FEBRUARY 28, 2018 Lisa Barnes** Race, risk, and resilience: understanding racial differences in cognitive aging and brain pathology

### March 2018



MARCH 7, 2018 **Navdeep Chandel** Mitochondria control of physiology and disease: beyond ATP



MARCH 14, 2018 NIH Director's Lecture (third of four) **Fiona Powrie** Gut feelings: host microbiome interactions in health and disease



MARCH 21, 2018 De'Broski Herbert LINGO proteins: a new language for the mucosal



MARCH 28, 2018 Frederic Geissmann Of bones, brain, and fat: macrophages and the control of homeostasis

## April 2018



APRIL 11, 2018 G. Burroughs Mider lecture Sriram Subramaniam The cryo-EM revolution



APRIL 18, 2018 Ira Mellman Mechanistic basis of cancer immunotherapy



APRIL 25, 2018 Rolla E. Dyer Lecture Katherine Fitzgerald Sensing from within: how the immune system discriminates friend from foe

# May 2018



Margaret Pittman Lecture **Indira Raman** Cerebellar synaptic signaling as a metaphor for mentorship: how silence and speech get different deeds done

MAY 2, 2018

MAY 9, 2018



Florence Mahoney Lecture **Lennart Mucke** From genetics to therapeutics in Alzheimer's: accelerating translation, increasing success



MAY 16, 2018 **Carl Nathan** Why the immune system



MAY 23, 2018 Robert S. Gordon Lecture **Ana Diez Roux** Research on the social determinants of population health and the study of how neighborhoods affect health



MAY 30, 2018 George Khoury Lecture **Judy Leiberman** Killer lymphocytes, the new bug exterminators

### June 2018



JUNE 13, 2018 NIH Director's Lecture (fourth of four) **Elizabeth Gould** Structural plasticity in the adult mammalian brain



JUNE 20, 2018 **Yixian Zheng** Cell and genome organization in mitosis, development, and homeostasis



JUNE 27, 2018 **Ellen Rothenberg** Decoding the genome regulatory program for T-cell identity



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