

Autumn 2018

# Molecular Life Sciences Seminar Series

Seminars are at 4:00 p.m. in 170 Davis Heart & Lung Research Institute, 473 W. 12<sup>th</sup> Ave., unless noted

## August 28, 2018

Osamu Nureki

The University of Tokyo

**Molecular mechanism of CRISPR-Cas and structure-guided development of genome editing tools towards medical application**

Host: Kotaro Nakanishi

## September 4, 2018

Philip Low

Purdue

**Targeted imaging and therapeutic agents for cancer, autoimmune and infectious diseases**

Host: Thomas Magliery, magliery.1@osu.edu

## September 11, 2018

Dinshaw Patel

Memorial Sloan Kettering Cancer Center

**Structural Biology of CRISPR-Cas Surveillance Systems and their Anti-CRISPR Complexes**

Host: Kotaro Nakanishi, nakanishi.9@chemistry.ohio-state.edu

## September 18, 2018

Polina Lishko

University of California, Berkeley

**Ion channels on steroids: the molecular mechanism of the unconventional endocannabinoid signaling**

Host: Sharon Amacher, amacher.6@osu.edu

## September 25, 2018

Arpita Upadhyaya

University of Maryland

**Cytoskeletal dynamics and mechanosensing in immune cells**

Host: Adriana Dawes, dawes.33@math.ohio-state.edu

## October 2, 2018

Michael Emerman

Fred Hutchinson Cancer Research Center

**Evolution and function of HIV restriction factors**

Host: Shan-Lu Liu, liu.6244@osu.edu

## October 9, 2018

Brandt Eichman

Vanderbilt University

**New DNA repair mechanisms revealed from bacterial resistance to genotoxic natural products**

Host: Jane Jackman, jackman.14@osu.edu

## October 16, 2018

Yong Xiong

Yale University

**HIV capsid pattern sensing by the host cell**

Host: Li Wu, wu.840@osu.edu

## October 23, 2018

Roy Parker

University of Colorado, Boulder

**RNP granules in health and disease**

Host: OSBP students

## October 30, 2018

John Kuriyan

University of California, Berkeley

**Understanding the mutational sensitivity of the Ras oncogene by high-throughput methods**

Host: OSBP students

## November 6, 2018

Elizabeth Nolan

Massachusetts Institute of Technology

**Metals and Immunity: Explorations of Calprotectin**

Host: James Cowan, cowan.2@osu.edu

## November 13, 2018

TBD

## November 20, 2018

No Seminar (Thanksgiving Week)

## November 27, 2018

Robb Krumlauf

Stowers Institute

**Hox genes: Regulating the balance between pluripotency and differentiation**

Host: MCDB students

## December 4, 2018

Michael Merzenich

University of California, San Francisco

**The Brain Plasticity Revolution**

Host: Kevin McGarry (OSBP student), mcgarry.15@osu.edu

The MLS Seminar Series is the joint seminar of OSBP and MCDB. Travel arrangements for MLS seminar are by Franci Brink (614 292-1463) and Lauren Pasquale (614 292-2804), who can both be reached at mlsseminar@osu.edu. Schedules are coordinated by the host. Contact the chair of the MLS Seminar Committee, Harold Fisk (fisk.13@osu.edu), with speaker suggestions and policy questions