SCHEDULE OF EVENTS – 2016 SYMPOSIUM

ASHHURST & MITCHELL HALL

11:00 AM Registration and boxed lunches

MITCHELL HALL

12:00 - 12:15 PM Opening Remarks - Chair of Pharmacology Graduate Group

12:15 - 1:35 PM Student Talks – Session 1

Mike Klichinsky (PI Carl June)
Chimeric antigen receptor macrophages (CARMA) for cancer immunotherapy

Seth Rhoades (PI Aalim Weljie)
Tracer-based metabolomics applied to non-steady state circadian system in vivo

Sarah McKee (PI Teresa Reyes)
Perinatal high fat diet leads to DNMT1 deficits in the offspring prefrontal cortex: mRNA overexpression, reduced activity and cytoplasmic sequestration

ASHHURST & MITCHELL HALL

1:45 – 2:45 PM Student Poster Session

MITCHELL HALL

2:50 – 4:10 PM Student Talks – Session 2

Kellie Woll (PI Roderic Eckenhoff)
A novel bifunctional alkylphenol anesthetic allows characterization of $GABA_A$ receptor subunit binding selectivity in synaptosomes

Elisia Clark (PI David Lynch)

Frataxin localization, interactions with Mitochondria Processing Peptidase, and processing are distinctively impaired by a subset of missense mutations in human frataxin

Lisa Bottalico (PI Ian Blair)
Tracing androgen metabolism with inhibition of aromatase in breast cancer

ASHHURST & MITCHELL HALL

4:10 - 4:30 PM Coffee Break

MITCHELL HALL

4:30 PM The John S. O'Brien Memorial Lecture:

"Mammalian SWI/SNF (BAF) Complex Structure and Function in Cancer"

Cigall Kadoch, Ph.D.
Assistant Professor, Department of Pediatric Oncology
Dana-Farber Cancer Institute and Harvard Medical School

Institute Member, Broad Institute of MIT and Harvard
Chemical Biology Program

5:30 PM Student Talk and Poster Awards
Distinguished Faculty Award
Erulkar Fellowship Award

ASHHURST HALL

5:45 PM Reception

John S. O'Brien Memorial Lecture in Pharmacology

Mammalian SWI/SNF (BAF) Complex Structure and Function in Cancer

Cigall Kadoch, Ph.D.

The Pharmacology Graduate Group of the University of Pennsylvania is pleased to host Cigall Kadoch, Ph.D. as the Keynote Speaker at the 32nd Annual Pharmacology Student Symposium. Dr. Kadoch is an Assistant Professor of Pediatric Oncology at the Dana-Farber Cancer Institute and Harvard Medical School and an Institute Member of the Broad Institute of MIT and Harvard. She studies chromatin regulation, with strong focus on the structure and function of the mammalian SWI/SNF or BAF family of chromatin remodeling complexes in human cancer. Her work has been centered in mechanistically interrogating rare, molecularly well-defined cancers, to understand the role these complexes play in promoting a wide range of more common cancer types.

Kadoch completed her graduate and postdoctoral research at the Stanford University School of Medicine. Working alongside renowned developmental biologist Gerald Crabtree, she used a series of biochemical experiments to identify a novel set of proteins, components of the mSWI/SNF or BAF complex, which regulate chromatin structure. Upon these discoveries, Kadoch and her colleagues then linked mutations in the subunits of BAF complexes to more than one-fifth of human cancers. In addition, she worked to uncover the precise mechanism of BAF complex perturbation in a rare, aggressive soft-tissue sarcoma, known as synovial sarcoma. Kadoch is now developing new approaches to the structural and functional interrogation of chromatin regulators and developing therapeutic approaches for cancers driven by BAF mutations.

Kadoch earned her undergraduate degree in Molecular and Cell Biology from the University of California, Berkeley, and her Ph.D. in Cancer Biology from the Stanford University School of Medicine. In 2014, shortly before becoming one of the youngest Assistant Professors ever appointed to the faculty of Harvard Medical School, she was named to *Forbes Magazine's* 30 Under 30 in Science & Healthcare, and in 2015, the *MIT Technology Review* Top Innovators Under 35. She is also the recipient of the NIH Director's New Innovator Award and was recently named a Pew-Stewart Scholar in Cancer Research.