



UR Pathways Discovery Resource High-Throughput Screening Mini-Symposium

**Monday, October 24th, 2016
CEL 2-7536
1:00 – 3:30 PM**

Guest Speaker Sara Cherry, PhD

Associate Professor of Microbiology
Scientific Director, High-throughput Screening Core
Director, Program for Chemogenomic Discovery
University of Pennsylvania School of Medicine



“Using functional genomics to reveal new targets for antiviral therapeutics”

Dr. Cherry has pioneered the use of high-throughput cell-based screening to study host-pathogen interactions with a focus on viruses. Dr. Cherry has used this technology to perform functional genomic screens including genome-wide RNAi and cDNA screens against a diverse array of viral pathogens and eukaryotic parasites in both human cells and insect cells. These screens have led to the discovery of cellular factors that play roles in infection and immunity. She performs these screens in diverse cell types, including fibroblasts, epithelial cells, endothelial cells, placental cells and macrophages. She has recently extended her studies to Zika virus and has identified new inhibitors active against Zika virus in diverse cell types. While she has collaborated with many laboratories to perform screens in the past, recently she began a High-throughput Screening Core at the University of Pennsylvania where she is the Scientific Director.

Featured Speakers

“Identification and targeting host genes that modulates viral replication”

Jian Zhu, PhD

Assistant Professor, Dept. of Microbiology & Immunology

“Unbiased drug discovery and drug repurposing in the treatment of lysosomal storage disorders”

Chris Folts, PhD

Postdoctoral Associate, Noble Lab, Dept. of Biomedical Genetics

“Targeting the myofibroblast with small molecules”

Eric Small, PhD

Assistant Professor of Medicine, Aab Cardiovascular Research Institute

Junior Faculty Breakfast with Dr. Cherry

9:00-10:00 am 10/24/16 - KMRB G.9654

(RSVP for breakfast to Dr. Kobie at James.Kobie@urmc.rochester.edu
required by 10/17)