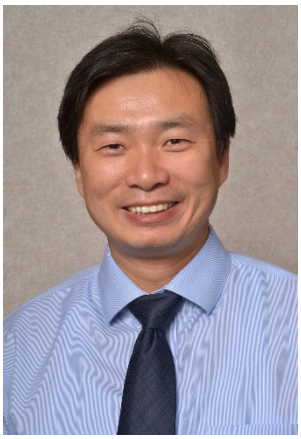
THE OHIO STATE UNIVERSITY
COLLEGE OF MEDICINE

Department of Biomedical Informatics

Cancer systems biology of drug resistance



Abstract: We will introduce several key bioinformatics models and biotechnologies of drug resistant of cancer systems biology and systems pharmacology. We will focus on target identifications and drug combination systems biology models. We will introduce the CRISPR-cas9 library based single gene knock-out and double knock-out for drug sensitivity/resistant gene screening; and single cell barcode for tracing drug resistant cell lineage.

About the Speaker: Dr. Li received his Biostatistics PhD in 2001. From 2001-2017, Dr. Li was a Professor in Medical Genetics at the Indiana University School of Medicine; and Director of the Center for Computational Biology and Bioinformatics. Starting from 2017, he has been the Chair of the Department of Biomedical Informatics. His research has covered both clinical informatics and bioinformatics. Dr. Li's lab has many ongoing projects related to drug interactions. They are interesting not only in the pharmacology mechanisms but also the clinical impact of drug interactions.

Lang Li, PhD

Friday, October 30th, 11:00am-12:00pm

Carmen Zoom