

BISB BOOTCAMP SUMMER SEMINAR SERIES

July 22nd, 2021 | 12:00 PM PST – 1:00 PM PST

Zoom ID: 969 2714 6510
Password: binfobuds



BUILDING THE MIND OF CANCER Trey Ideker, Ph.D.

Trey Ideker is a Professor in the Departments of Medicine, Bioengineering, and Computer Science at UC San Diego. Additionally, he is the Director or Co-Director of the National Resource for Network Biology (NRNB), the Cancer Cell Map Initiative (CCMI), the Psychiatric Cell Map Initiative (PCMI), the UCSD Bioinformatics PhD Program, and former Chief of Genetics in the Department of Medicine. Dr. Ideker is a pioneer in using genome-scale measurements to construct network models of cellular processes and disease and has founded software tools including the Cytoscape ecosystem for biological network analysis, which has been cited >22,000 times. The Ideker Laboratory seeks to create artificially intelligent models of cancer and other diseases for the translation of patient data to precision diagnosis and treatment.



DISCOVERY OF NOVEL REGULATORY SEQUENCES THROUGH ANALYSIS OF TILING CRISPR SCREENS Graham McVicker, Ph.D.

Graham McVicker is an Assistant Professor in the Integrative Biology Laboratory at the Salk Institute for Biological Studies. His laboratory combines molecular biology with computational analyses to elucidate the function of human non-coding genetic variation. In his talk, he will describe RELICS, a new method to analyze tiling CRISPR screens, and its application to discover novel regulatory sequences for the gene *GATA3*.