



SOUTHERN CALIFORNIA AI & BIOMEDICINE SYMPOSIUM

Calit2 Building Auditorium

University of California, Irvine
Register: www.igb.uci.edu

Friday, October 14, 2022

10:00 AM Presentations (Lunch Provided)
4:15 PM Reception

10:00-10:45 AM Katrine Whiteson
Microbiome Initiative

Unique Analytical Challenges of Microbiome Data

10:45-11:30 AM Bogi Andersen
Skin Biology Resource Center

A New View of Epidermal Differentiation Through
Single Cell RNA Sequencing

11:30 AM-12:15 PM Arash Kheradvar
KLAB

Synthetic Medical Imaging Based on Generative
Adversarial Networks

12:15-1:15 PM

Lunch – Calit2 Foyer

Special IGB Alumni Session

1:15-2:00 PM Daniel Quang
DNAexus

Leveraging Machine Learning in Biomedical Research
Using DNAexus Secure Cloud Platform

2:00-2:45 PM Jonathan Chen
Stanford University

Recommender Algorithms for
Medical Decision Making

2:45-3:30 PM S. Joshua Swamidass
Washington University Saint Louis

Applying AI in Chemistry, Biology, and Medicine

3:30-4:15 PM Jianlin Cheng
University of Missouri – Columbia

Deep Learning Methods for Evaluating and
Refining Protein Structures

4:15-5:15 PM

Reception – Calit2 Foyer

The AI and Biomedicine Symposium is Co-Sponsored by UCI's Institute for Genomics and Bioinformatics and Donald Bren School of Information & Computer Sciences



INSTITUTE FOR GENOMICS AND BIOINFORMATICS
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