

SOUTHERN CALIFORNIA BIOMEDICAL IMAGING and MACHINE LEARNING SYMPOSIUM

Calit2 Building Auditorium

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

October 4, 2019

9:45 am Presentations (lunch provided)
4:45 pm Reception

9:45 am Charless Fowlkes
UC Irvine

Opening Remarks

10:00 am Xiaohui Xie
UC Irvine

Automatic Pulmonary Nodule
Detection Through Deep Learning

10:30 am Arash Kheradvar
UC Irvine

Combining Deep Fully Convolutional and Convolutional
Adversarial Networks for Cardiac Segmentation

11:00 am Anthony Durkin
UC Irvine

Non-Invasive Classification of Burn Wound Severity using
Spatial Frequency Domain Imaging and Machine Learning

11:30 am Peter Chang
UC Irvine

Advances in Deep Learning for Medical Imaging

12:00 pm

LUNCH BREAK

1:00 pm Corey Arnold
UCLA

Learning Predictive Computational Phenotypes
from Medical Images

1:30 pm Sunil Gandhi
UC Irvine

Brain Wide Mapping of Neuroinflammation Using
Tissue Clearing and Light Sheet Imaging

2:00 pm Charless Fowlkes
UC Irvine

Promises and Perils of Machine Learning
in Biomedical Imaging

2:30 pm

COFFEE BREAK

3:00 pm Fabien Scalzo
UCLA

Machine Learning in
Neurovascular Care

3:30 pm Yonggang Shi
USC

Neuro Image Computing Research for
Translational Brain Mapping and Beyond

4:00 pm Frithjof Kruggel
UC Irvine

Machine-Learning Approaches for Understanding the
Macro-Structural Variability of the Human Cortex

4:30 pm Pierre Baldi
UC Irvine

Closing Remarks

4:45 pm WINE AND CHEESE RECEPTION

The Biomedical Imaging and Machine Learning Symposium is Sponsored
by UCI's Institute for Genomics and Bioinformatics