Biostatistics Research Day 2022
Program

Department of Biostatistics
School of Public Health
University of Pittsburgh

Thursday, March 3, 2022, 1:00 PM – 5:00 PM EST
Zoom: https://pitt.zoom.us/j/96362733773 (passcode: 2022)

Opening Remark (1:00 PM – 1:05 PM)
Opening Remarks: George Tseng, ScD (Vice Chair for Research, BIOST)

Student Oral Presentations (1:05 PM – 5:00 PM)
1:05 Haoyi Fu, Covariate-Guided Bayesian Mixture of Spline Experts for the Analysis of Multiple Time Series
1:20 Na Bo, A Meta-Learner Framework to Estimate Individualized Treatment Effects for Survival Outcomes
1:35 Jian Zou, Congruence Analysis Between Cell Lines and Tumors
1:50 Zhongying Xu, Bayesian Response Adaptive Randomization Design with Mixed Type Outcomes
2:05 Lang Zeng, Deep survival neural network for predicting AMD progression trajectories using longitudinal fundus images
2:20 Manqi Cai, Robust and accurate estimation of cellular fraction from tissue omics data via ensemble deconvolution
2:35 Zhiyu Sui, Copula model for semi-competing risks data with interval-censored non-terminal event
2:50 Xinjun Wang, Cross-dataset doublet detection in scRNA-seq data through machine learning
3:05 Xueping Zhou, Local-Network Guided Logistic Regression for High-Dimensional Feature Selection and Binary Classification
3:20 Molin Yue, Cell Type specific eQTL
3:35 Haoran Hu, Exploration: Can SECANT clustering uncertainty benefit downstream trajectory inference?
3:50 Xinlei Chen, Learning Individualized Treatment Rule with Safety Constraints
4:05 Yusi Fang, On p-value combination of independent and frequent signals
4:20 Jipeng Zhang, Automated Grading of Age-related Macular Degeneration Intermediate Phenotypes via Deep Neural Networks
4:35 Liling Lu, Safe reinforcement learning for sepsis treatment