



2023 Statistical Practice in Cancer Conference Program

Day 1: Friday, March 3 – Moffitt Cancer Center, Stabile Research Building (SRB), Ted and Marty Couch Auditorium

- 8:00-8:30 **REGISTRATION & CONTINENTAL BREAKFAST** – SRB, David Murphey Conference Room
Program will take place in the SRB, Ted & Marty Couch Auditorium unless otherwise noted
- 8:30-8:35 **WELCOME**
Michael Schell, Moffitt Cancer Center
- 8:35-9:30 **KEYNOTE PRESENTATION**
Qi Long, University of Pennsylvania
Advancing Data Science for Intelligent and Equitable Health
- 9:30-10:20 **ORAL PRESENTATIONS - PART I**
- 9:30-9:55 Yimei Li, University of Pennsylvania & Children’s Hospital of Philadelphia
Designing a phase 2 trial for pediatric patients with schwannomatosis using hybrid control arms from real-world data
- 9:55-10:20 Haitao Pan, St. Jude Children’s Research Hospital
An optimal two-period multiarm platform design with new experimental arms added during the trial
- 10:20-10:40 **BREAK**
- 10:40-11:20 **POSTER ELEVATOR TALKS**
- 10:40-10:45 Introduction
- 10:45-10:50 *Paul Christos, Weill Cornell Medicine*
Joint Statistical Consultation Mechanism Between Biostatistics and Research Informatics for Researchers Using Large Institutional Data Repositories
- 10:50-10:55 Yujie Zhao, Merck
Number of Repetitions in Re-randomization Tests
- 10:55-11:00 Tingyi Li, Moffitt Cancer Center
Prognostic significance of immune cell state atlas in predicting therapeutic benefits of immune checkpoint inhibitors
- 11:00-11:05 Biwei Cao, Moffitt Cancer Center
Cancer Gene Prognostic Atlas: an interactive portal for prognostic gene discovery across human cancers
- 11:05-11:10 Thanh Nguyen, Moffitt Cancer Center
ISCVAM, an Interactive Single Cell Visual Analytics for Multiomics

- 11:10-11:15 Derek Li, University of Florida Health Cancer Center
Improved R Shiny Apps for Prospective Trials
- 11:15-11:20 Jiannong Li, Moffitt Cancer Center
iscTrack, an interactive single-cell tool to track emerging transcriptional states over time and therapy prediction in tumors
- 11:30-12:15 **POSTER SESSION** – SRB, 1st Floor Atrium/Foyer
- 12:15-1:00 **LUNCH & NETWORKING** – SRB, 1st Floor Atrium/Foyer

Program will return to the SRB, Ted & Marty Couch Auditorium
- 1:00-3:00 **WORKSHOP**
Ying Yuan, MD Anderson Cancer Center
Model-assisted Adaptive Designs for Clinical Trials: Simplicity Meets Superiority
- 3:00-3:15 **BREAK**
- 3:15-4:15 **PANEL DISCUSSION #1**
(Moderator: Ji-Hyun Lee, University of Florida)
Panelists: Paul Christos, Weill Cornell Medicine; Yimei Li, University of Pennsylvania;
Qi Long, University of Pennsylvania; Michael Schell, Moffitt Cancer Center
Topic: *Special Issues in the Analysis of EHR Data*
- 4:15-4:30 **BREAK**
- 4:30-5:20 **ORAL PRESENTATIONS - PART II**
- 4:30-4:55 Leslie Cope, Johns Hopkins University
Autopsy of a ctDNA study: What would we do differently now?
- 4:55-5:20 Parichoy Pal Choudhury, American Cancer Society
Statistical methods in risk-stratified disease prevention with applications in cancer and health disparities
- 5:20-6:00 **NETWORKING** – SRB, 1st Floor Atrium/Foyer
- 6:00-8:00 **DINNER** (Hosted by Moffitt Cancer Center) – SRB, 1st Floor Atrium/Foyer
ReMissions, A band led by Moffitt Cancer Center CEO Patrick Hwu, MD

Day 2: Saturday, March 4 – Moffitt Cancer Center, Stable Research Building (SRB), Ted and Marty Couch Auditorium

- 8:00-8:30 **CONTINENTAL BREAKFAST** – SRB, David Murphey Conference Room
- Program will take place in the SRB, Ted & Marty Couch Auditorium unless otherwise noted*
- 8:30-8:35 **INTRODUCTION OF SECOND KEYNOTE SPEAKER**
Quincy Mo, Moffitt Cancer Center
- 8:35-9:30 **KEYNOTE PRESENTATION**
Ronglai Shen, Memorial Sloan Kettering Cancer Center
Topic Modeling of Single Cells to Uncover the Hidden Structure of the Immune Microenvironment in Cancer Patients
- 9:30-10:20 **PANEL DISCUSSION #2**
(Moderator: Richie Reich, Moffitt Cancer Center)
Panelists: Chul Ahn, University of Texas Southwestern; Heidi Weiss, University of Kentucky;
Min Zhang, UC Irvine
Topic: *Navigating Hybrid Work Models and Managing Expectations*
- 10:20-10:30 **Break**
- 10:30-12:00 **ORAL PRESENTATIONS – PART III**
- 10:30-10:55 Sijie Yao, Moffitt Cancer Center
Diagnosing and managing the vanishing deviance in high-dimensional penalized Cox regression
- 10:55-11:20 Natalie DelRocco, University of Florida
Relationships between proxy-reported outcomes and neuropathy in pediatric acute lymphoblastic leukemia: pillars for statistical consultants in modern prediction analyses
- 11:20-11:55 Xinlin Lu, University of Florida
Response Adaptive Randomization Two-Stage Designs for Multi-Arm Cancer Clinical Trials
- 11:55-12:00 **CLOSING**