# 2019 Statistical Practice in Cancer Conference Program

## Day 1: Friday, March 1 – Moffitt Cancer Center, Stabile Research Building (SRB)

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*

**WELCOME**
8:30-8:35   Dana Rollison and Michael Schell, Moffitt Cancer Center

**KEYNOTE PRESENTATION**
8:35-9:30   Steven Piantadosi, Brigham and Women's Hospital/Harvard Medical School
*Statistical Optimization of the Development Pipeline: Going Beyond Individual Clinical Trials*

9:30-10:30   **WORKSHOP**
Ken Hess, MD Anderson/Jack Lee, MD Anderson
*Operating characteristics of a clinical trial design*

10:30-10:40   **BREAK**

10:40-11:00   **POSTER ELEVATOR TALKS**
1.  Joanna Chen, Temple University
    *Interactive Treatment Planning in Cancer Radiotherapy*
2.  Maria Gomez, Moffitt Cancer Center
    *Systematizing Data Harmonization, Management, and Reproducibility in a Transdisciplinary, Multi-Site, Longitudinal Study of Colorectal Cancer*
3.  Yu Wang, University of Florida Health Cancer Center
    *The impact of the prior information on the performance of the TITE-CRM Method*
4.  Heidi Weiss, University of Kentucky
    *Interim Monitoring Reports and SAS Macros to Facilitate Reporting and Implementation of Early Phase Clinical Trials*
5.  Xiaoli Zhang, The Ohio State University
    *Identification of a subtype of hepatocellular carcinoma with poor prognosis based on expression of genes within the glucose metabolic pathway*

11:00-12:00   **POSTER SESSION** – SRB, 1st Floor Atrium/Foyer

12:00-1:00   **LUNCH & NETWORKING** – SRB, 1st Floor Atrium/Foyer

*Program will return to the SRB, Ted & Marty Couch Auditorium*

1:00-2:00   **PANEL DISCUSSION #1**
Moderators: Gary Rosner, John Hopkins; Dan Ayers, Vanderbilt University; Steven Piantadosi, Harvard University; Deo Kumar Srivastava, St. Jude Children's Hospital; Heidi Weiss, University of Kentucky, Markey Cancer Center
*Successful Career Development for Cancer Center Statisticians*

2:00-2:10   **BREAK**

2:10-3:10      **ORAL PRESENTATIONS - PART I**

2:10-2:30      Qin Liu, The Wistar Institute
               *Productive long-term collaborations can be built on our powerful statistical support*

2:30-2:50      Yeonhee Park, Medical University of South Carolina
               *Group sequential enrichment based on adaptive regression of response and survival time on high dimensional covariates*

2:50-3:10      Milind A. Phadnis, University of Kansas Medical Center
               *Group sequential design for survival studies with the proportional time assumption*

**TOOLKIT SKILLS**
3:10-4:10      **WORKSHOP**
               Garrett Grolemund, Rstudio
               *Reproducible Research using R Studio*

4:10-4:30      **BREAK**

4:30-5:30      **ORAL PRESENTATIONS - PART II**

4:30-4:50      Xiaonan Xue, Albert Einstein College of Medicine
               *Methods for estimating following up rates in cohort studies: application to cancer cohort studies built from electronic medical records*

4:50-5:10      Deo Kumar Srivastava, St. Jude Children's Research Hospital
               *Robust Analysis of Throughput Data using Trimmed Means and its Competitors*

5:10-5:30      Rani Jayswal, University of Kentucky
               *A novel method for PFS ratio endpoint in a Phase II genomic-driven clinical trial*

5:30-6:00      **NETWORKING**

6:00-7:30      **DINNER** (Hosted by Moffitt Cancer Center) – SRB, 1st Floor Atrium/Foyer

## Day 2:  Saturday, March 2 – Moffitt Cancer Center, Stabile Research Building (SRB)

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**
               Michael Schell, Moffitt Cancer Center

8:35-9:30      Elizabeth Garrett-Mayer, American Society of Clinical Oncology, Center for Research Analytics *Analyzing Real World Cancer Data: Buckle Up!*

9:30-9:50      Michael Schell, Moffitt Cancer Center
               *Identifying the Most Impactful Statistical Literature*

9:50:10-10:40  **PANEL DISCUSSION #2**

(<u>Moderators</u>: Brooke Fridley, Moffitt Cancer Center; Elizabeth Garrett-Mayer, ASCO-Centra; Chul Ahn, UT Southwestern Medical Center; Lai Wei, The Ohio State University)
*New Frontiers in Cancer Research*

10:40-11:00     **Break**

11:00-12:00     **ORAL PRESENTATIONS - PART III**

11:00-11:20     Zhixin Wang, University of Alabama at Birmingham
*Batch Effect in a Simon's Two-stage Design Phase II Cancer Clinical Trial*

11:20-11:40     Song Zhang, University of Texas
*Design and analysis of pragmatic stepped-wedge clustered randomization trials*

11:40-12:00     Qian Li, University of South Florida
*GMSimpute: a generalized two-step Lasso approach to impute missing values in label-free mass spectrum analysis*

12:00     **CLOSING**