


Seventy Fifth (75th) Annual Deming Conference on Applied Statistics
Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ
Sponsored by the Biopharmaceutical Section of the ASA and the Deming Conference Organization

Monday December 2, 2019 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 7:50 AM


8 ⇒ 9 AM Keynote 1: *Clinical Trials in the Twenty-First Century: Challenges and Opportunities*, Professor Susan S. Ellenberg, UPenn
 Moderator: Alfred H. Balch

Session A 
Clinical Trial Data Monitoring Committees and Reporting Statistical Centers: Problems and Solutions
 Professor Susan S. Ellenberg, University of Pennsylvania
 Matt Downs, MPH, Statistics Collaborative, Washington DC
 Moderator: Alfred H. Balch

Session B
Using Restricted Mean Survival Time for Classifications and Clinical Trials for Survival Endpoints
 Professor Ying Lu, Stanford University
 Moderator: Naitee Ting

Lunch (On Your Own) 12:15 ⇒ 1:30 PM


Session C 
Bootstrap Methods
 Professor Wei-Yin Loh, University of Wisconsin, Madison
 Moderator: Ivan S. F. Chan

Session D 
Discrete Multiple Testing In Detecting Differential Methylation Using Sequencing Data
 Professor Nan Lin, Washington University in St. Louis
 Moderator: Xiaoming Li

7:00 PM Speaker's and Awards Dinner (Optional Added Fee Event)

Tuesday December 3, 2019 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 7:50 AM


8 ⇒ 9 AM: Keynote 2: *Practical and Challenging Statistical Issues in Regulatory Science*, Professor Shein-Chung Chow, Duke University
 Moderator: Naitee Ting

Session E 
Introduction to Instrumental Variables
 Professors Nandita Mitra, UPenn and Jason Roy, Rutgers University
 Moderator: Kalyan Ghosh

Session F 
Modern Dose Finding Designs - Advances and Hot Topics
 Frank Fleischer, PhD, Boehringer-Ingelheim Pharma GmbH and Co. KG
 Moderator: Naitee Ting


Lunch (On Your Own) 12:15 ⇒ 1:30 PM



Session G
Artificial Intelligence for Medicine and Health
 Professor Mark Chang, Boston University
 Moderator: Wenjin Wang

Session H 
Clinical Trial Data Analysis Using R and SAS
 Professor Din Chen, UNC and Pinggao Zhang, PhD, Takeda
 Moderator: Walter R. Young

Wednesday December 4, 2019 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 7:50 AM

8 ⇒ 9 AM: Special Session: *Non-Statistical Reflections on 50 Years Chairing the Deming Conference*, Walter R. Young
 Moderator Alfred H. Balch

Session I 
Targeted Maximum Likelihood Estimation (TMLE) for Machine Learning: A Gentle Introduction
 Professor Mark J. van der Laan, University of California at Berkeley
 Moderator: Bill Wang

Session J  
Statistical Topics in Outcomes Research: Patient-Reported Outcomes, Meta-Analysis, and Health Economics
 Joseph Cappelleri, PhD, Pfizer and Professor Thomas Mathew, UMBC
 Moderator: Ivan S. F. Chan


Lunch (On Your Own) 12:15 ⇒ 1:30 PM


Session K
Prediction In Event-Based Trials
 Professor Daniel F. Heitjan, Southern Methodist University
 Moderator: Kalyan Ghosh

Session L
A Method to Evaluate the Validity of a Literature Claim
 Stanley Young, PhD, CGSTAT
 Moderator: Alfred H. Balch

Thursday December 5, 2019 **Short Course** Registration and Hot Breakfast: 6:30 ⇒ 7:50 AM

8:00⇒9:30 Lecture / 9:30⇒9:50 Break / 9:50⇒11:20 Lecture / 11:20⇒12:40 Lunch on Your Own / 12:40⇒2:10 Lecture / 2:10⇒2:30 Break / 2:30⇒4:00 Lecture / 4:00⇒4:20 Break / 4:20⇒5:50 Lecture

S1: Medical Product Safety Evaluation: Biological Models and Statistical Methods 
 Dr. Jie Chen
 Merck Research Laboratories
 Moderator: Naitee Ting


S2: Targeted Learning: Causal Inference for Observational and Experimental Data 
 Professor Mark J. van der Laan
 University of California at Berkeley
 Moderator: Bill Wang


S3: Combining Information from Different Studies with Meta-Analysis and Network Meta-Analysis
 Professor Chris Schmid, Brown University
 Moderator: Alfred H. Balch

Friday December 6, 2019, Short Course Continues and Hot Breakfast: 6:30 ⇒ 7:50 AM

8:00⇒9:30 Lecture / 9:30⇒9:50 Break / 9:50⇒11:20 Lecture / 11:20⇒12:40 Lunch on Your Own / 12:40⇒2:10 Lecture / 2:10⇒2:30 Break / 2:30⇒4:00 Lecture / 4:00⇒4:20 Break / 4:20⇒5:50 Lecture

All tutorial and short course titles, presenters and moderators from 1989 onwards are on www.demingconference.org

 Session is based on a recently published text that is available either for a discounted price or is included in the price of the short course registration

 Sessions will have their breaks extended by 15 minutes for Poster Presentations