

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
Best Practices for Data Monitoring Committees and the Statistical Centers that Report to Them
Professor Susan S. Ellenberg, University of Pennsylvania
Moderator Alfred H. Balch

Session B
Topics on Oncology
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
Metaeval: A JMP Add-In to Evaluate a Claim Coming from a Meta-Analysis
S. 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

Hot Breakfast 7⇒7:50 / 8:00⇒9:30 Lecture / 9:30⇒9:50: Break / 9:50⇒11:20: Lecture / 11:20⇒11:40 / Break / 11:40⇒1:10: 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