

Seventy-Sixth (76th) 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

Sunday December 6, 2020 Registration: 6:00 ⇒ 7:30 PM and Reception 7:00 ⇒ 8:00 PM

Monday December 7, 2020 Registration: 6:30 ⇒ 8 AM and Hot Breakfast 7 ⇒ 7:50 AM / Morning Sessions 8 AM ⇒ Noon

8 ⇒ 9 AM Keynote 1: Precision Imaging for Precision Medicine- Biomarkers and Beyond by Sue-Jane Wang, FDA
Moderator: Alfred H. Balch

9 AM ⇒ Noon, Morning Tutorials

Session A
Innovative Designs for Early Phase Dose-Finding Studies
Sue-Jane Wang, FDA, and Yuan Ji University of Chicago
Moderator: Alfred H. Balch

Session B 
Recent Development in Analyzing Microbiome Data from Clinical Trials
Yinglin Xia, University of Illinois at Chicago and Din Chen, UNC-Chapel Hill
Moderator: Walter R. Young

Lunch (On Your Own) Noon ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 4:45 PM

Session C ♣
Randomization and Inference in Clinical Trials
Diane Uschner, George Washington University
Moderator: Alfred H. Balch

Session D ♣
Master Protocol and Its Application
Jingjing Ye, BeiGene, Cindy Lu, Biogen and Nicole Li, Merck & Co. Inc
Moderator: Xiaoming Li

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

Tuesday December 8, 2020 Registration: 7 ⇒ 8 AM and Hot Breakfast 7 ⇒ 7:50 AM / Morning Sessions 8 AM ⇒ 12:15 PM


8 ⇒ 9 AM: Keynote 2: Harnessing the Power of Statistics: Big Challenges, Big Opportunities by Dionne Price, FDA
Moderator: Naitee Ting

9 AM ⇒ 12:15 PM, Morning Tutorials

Session E ♣
Causal Inference and Data Fusion
Elias Bareinboim and Adele Ribeiro, Columbia University
Moderator: Bill Wang

Session F ♣
Real World Evidence Landscape and Evolution in Drug Development
Jenny Fang and Melvin Olson, Novartis
Moderator: Naitee Ting

Lunch (On Your Own) 12:15 ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 5PM

Session G 
Bayesian Adaptive Approaches Using Historical Data
Brad Carlin, Counterpoint Statistical Consulting, LLC
Moderator: Ivan S. F. Chan

Session H
Targeted Estimation of Direct and Indirect Causal Effects in Clinical Trials
Jie Chen, Fang Liu and Yanping Liu, Merck & Co. Inc
Moderator: Wenjin Wang

Wednesday December 9, 2020 Registration: 7 ⇒ 8 AM and Hot Breakfast 7 ⇒ 7:50 AM / Morning Sessions 8 AM ⇒ 12:15 PM

8 ⇒ 9:00 AM: Keynote 3: New Statistical Initiatives in the FDA CDRH by Ram Tiwari, CDRH, FDA
Moderator Bill Wang

9 AM ⇒ 12:15 PM Morning Tutorials

Session I ♣
Likelihood Ratio Methodologies for Safety and Risk-Based Monitoring
Lan Huang, Howard Yao and Ram Tiwari, CDRH, FDA
Moderator: Bill Wang

Session J ♣
Answering Old Questions with New Tools: Application of the ICH E9 Addendum in Oncology
Kaspar Rufibach, Roche and Evgeny Degtyarev, Novartis
Moderator: Kalyan Ghosh


Lunch (On Your Own) 12:15 ⇒ 1:30 PM / Afternoon Sessions 1:30 ⇒ 5PM

Session K
Statistical Designs and Strategies for Oncology Drug Development
Cong Chen, Merck & Co. Inc
Moderator: Kalyan Ghosh

Session L
Statistical Methods in the Clinical Development of Novel Cancer Immunotherapies
Bo Huang, Pfizer
Moderator: Naitee Ting

Thursday December 10, 2020 Registration: 6:30 ⇒ 8 AM and Hot Breakfast: 7 ⇒ 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 ⇒ 5:00 Lecture


Working with Generalized Linear and Nonlinear Mixed Models 
Professor Walter Stroup, The University of Nebraska-Lincoln
Moderator: Alfred H. Balch

Artificial Intelligence for Drug Development, Precision Medicine and Healthcare 
Professor Mark Chang, Boston University
Moderator: Ivan S. F. Chan

Friday December 11, 2020 Hot Breakfast: 7 ⇒ 7:50 AM

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 1970 onward 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