

Seventy-Sixth (76th) Annual Deming Conference on Applied Statistics

Virtual Conference*

Sponsored by the Biopharmaceutical Section of the ASA and the Deming Conference Organization

Monday December 7, 2020

11 AM ⇒ 12 PM Keynote: Precision Imaging for Precision Medicine- Biomarkers and Beyond by Sue-Jane Wang, FDA

Moderator: Alfred H. Balch

Morning Tutorials 12 PM to 3 PM

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

Break followed by Afternoon Tutorials 3:30 PM to 6:30 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

Tuesday December 8, 2020

11 AM ⇒ 12 AM: Keynote: Harnessing the Power of Statistics: Big Challenges, Big Opportunities by Dionne Price, FDA

Moderator: Naitee Ting

Morning Tutorials 12 PM to 3 PM

Session E

Causal Inference and Data Fusion

Elias Bareinboim and Adele Ribeiro, Columbia University and Mohammad

Adibuzzaman, Purdue University

Moderator: Bill Wang

Session F

Real World Evidence Landscape and Evolution in Drug Development

Jenny Fang and Melvin Olson, Novartis

Moderator: Naitee Ting

Break followed by Afternoon Tutorials 3:30 PM to 6:30 PM

Session G

Practical Hierarchical Bayesian Modeling

Fang Chen, SAS Institute Inc.

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

11 AM ⇒ 12 AM: Keynote: New Statistical Initiatives in the FDA CDRH by Ram Tiwari, CDRH, FDA

Moderator Bill Wang

Morning Tutorials 12 PM to 3 PM

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

Break followed by Afternoon Tutorials 3:30 PM to 6:30 PM

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 & Friday December 10-11, 2020

Monday & Tuesday December 14-15, 2020

11:00 AM ⇒ 12:30 PM Lecture / 12:30 PM ⇒ 1:00 PM Break / 1:00 PM ⇒ 2:30 PM Lecture /
2:30 PM ⇒ 2:50 PM Break / 2:50 PM ⇒ 4:20 PM Lecture / 4:20 PM ⇒ 4:30 PM Break / 4:30 PM ⇒ 6:00 PM Lecture

Artificial Intelligence for Drug Development, Precision Medicine and Healthcare

Professor Mark Chang, Boston University


Moderator: Ivan S. F. Chan

Working with Generalized Linear and Nonlinear Mixed Models

Professor Walter Stroup, The University of Nebraska-Lincoln

Moderator: Alfred H. Balch

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 for a discounted price

All times in the schedule refer to US EST Time

*Virtual conference information with links to participate will be sent to registrants on Nov 15th, 2020