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| **Seventy Fourth Annual Deming Conference on Applied Statistics**  **Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ** | |
| Monday December 3, 2018 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 8 AM | |
| 8 ⇒ 9 AM: Deepening the Reform of the Review and Approval System and Encouraging the Innovation of Drugs in China  Dr. Ruyi He, MD, Chief Scientist, Center for Drug Evaluation, Chinese Food and Drug Administration | |
| **Session A**  Recent Development on Bayesian Clinical Trial Designs Using Historical Data  Professor: Ming-Hui Chen, University of Connecticut  Moderator: Naitee Ting | **Session B**  Subgroup Identification: A Comparative Review  Professor Wei-Yin Loh, University of Wisconsin - Madison  Moderator: Ivan S. F. Chan |
| Lunch (On Your Own) 12 ⇒ 1:30 PM | |
| **Session C ♣**  Statistical Challenges in the Analysis of Biomarker Data  Professor Stephen W. Looney, Augusta University  Moderator: Kalyan Ghosh | **Session D ♣ **  Bayesian Nonlinear Models for Bactericidal Activity of Tuberculosis Drugs  Professors Divan A. Burger, University of Pretoria  Ding-Geng Chen, University of North Carolina – Chapel Hill (UNC)  Moderator: Walter R. Young |
| **7:00 PM Speaker’s and Awards Dinner (**Optional Added Fee Event**)** | |
| Tuesday December 4. 2018 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 8 AM | |
| 8 ⇒ 9 AM: Recent Advances in Regulatory Statistics in Cardio-Renal and CNS Clinical Trials  Dr. Hsien-Ming James Hung, FDA | |
| **Session E ♣ **  Experiences in Designing and Analyzing Vaccine Outcome Studies  Dr. Scott Paterson, Sanofi-Pasteur  Moderator: Fred Balch | **Session F ♣**  Advanced Visual Analytics of Safety Data from Different Data Sources – Approaches and Available Tools  Drs. Melvin Munsaka (AbbVie), Kefei Zhou (Theravance Biopharma)  Krishan P. Singh (GSK)  Moderator: Ivan S. F. Chan |
| Lunch (On Your Own) 12:15 ⇒ 1:45 PM | |
| **Session G **  Text Mining with R: A Tidy Approach  Dr. Julia Silge, Stack Overflow  Moderator: Fred Balch | **Session H **  Statistical Topics in Health Economics and Outcomes Research: Patient-Reported Outcomes, Meta-Analysis, and Health Economics  Dr. Joseph C. Cappelleri, Pfizer  Professor Thomas Mathew, University of Maryland, Baltimore County  Moderator: Wenjin Wang |
| Wednesday December 5, 2018 Registration: 6:30 ⇒ 8 AM Hot Breakfast 7 ⇒ 8 AM | |
| **Session I ♣**  Risk Factor Identification & Comparative Effectiveness Research Using Electronic Health Records: Challenges, Analytical Strategies & Recent Developments  Drs. Rebecca Hubbard and Yong Chen, University of Pennsylvania Bin Huang, Cincinnati Children's Hospital Medical Center Moderator: Kalyan Ghosh | **Session J ♣**  Designing and Integrating the RCT/RWE in Safety Decision Making  Drs. Rima Izem, FDA  Richard C. Zink, TARGET PharmaSolutions Inc.  William Wang, Merck  Moderator: Ivan S. F. Chan |
| |  | | --- | | Lunch (On Your Own) 12:15 ⇒ 1:15 PM | | |
| **Session K**  Overview Of Non-Inferiority Trial Design, Analysis and Reporting  Drs. Susan Wang and Gang Cheng, Boehringer Inglelheim China  Moderator: Naitee Ting | **Session L**  FDA Advisory Committee Meeting and Non-inferiority Case Study  Drs. Bob Powell (UNC), Steve Wilson (Consultant), & William Wang (Merck)  Moderator: Ivan S. F. Chan |
| **♣** Sessions will have their breaks extended by 15 minutes for Poster Presentations | |
| Thursday December 6, 2018 Short Course Registration and Hot Breakfast: 6:30 ⇒ 8 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** | |
| Fundamental Concepts for New Clinical Trialists ****  Dr. Naitee Ting, Boehringer Inglelheim  Professor Scott R. Evans, Harvard School of Public Health  Moderator: Xiaoming Li  **Text**: Fundamental Concepts for New Clinical Trialists | Design, Data Monitoring & Analysis of Clinical Trials With Multiple Outcomes ****  Dr**.** Toshimitsu Hamasaki, Osaka University and National Cerebral and Cardiovascular Center, Japan  Dr. Hsien-Ming James Hung, FDA  Moderator: Alfred H. Balch  **Texts**: Group-Sequential Clinical Trials with Multiple Co-Objectives  Sample Size Determination in Clinical Trials with Multiple Endpoints |
| Friday December 7, 2018 | |
| **Hot Breakfast 7⇒8 / 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.com

**** Session is based on a recently published text that is available either for a discounted price or is included in the price of the two short courses

Full hot breakfasts are included on each of the five days