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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 ChinaDr. 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 DataProfessor: Ming-Hui Chen, University of ConnecticutModerator: Naitee Ting | **Session B** Subgroup Identification: A Comparative ReviewProfessor Wei-Yin Loh, University of Wisconsin - MadisonModerator: Ivan S. F. Chan |
| Lunch (On Your Own) 12 ⇒ 1:30 PM |
| **Session C ♣**Statistical Challenges in the Analysis of Biomarker DataProfessor Stephen W. Looney, Augusta University Moderator: Kalyan Ghosh | **Session D ♣ **Bayesian Nonlinear Models for Bactericidal Activity of Tuberculosis DrugsProfessors Divan A. Burger, University of PretoriaDing-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 TrialsDr. Hsien-Ming James Hung, FDA |
| **Session E ♣ **Experiences in Designing and Analyzing Vaccine Outcome StudiesDr. Scott Paterson, Sanofi-PasteurModerator: Fred Balch | **Session F ♣**Advanced Visual Analytics of Safety Data from Different Data Sources – Approaches and Available ToolsDrs. 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 OverflowModerator: Fred Balch | **Session H **Statistical Topics in Health Economics and Outcomes Research: Patient-Reported Outcomes, Meta-Analysis, and Health EconomicsDr. Joseph C. Cappelleri, PfizerProfessor Thomas Mathew, University of Maryland, Baltimore CountyModerator: 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 DevelopmentsDrs. Rebecca Hubbard and Yong Chen, University of PennsylvaniaBin Huang, Cincinnati Children's Hospital Medical CenterModerator: Kalyan Ghosh | **Session J ♣**Designing and Integrating the RCT/RWE in Safety Decision MakingDrs. Rima Izem, FDARichard C. Zink, TARGET PharmaSolutions Inc.William Wang, MerckModerator: Ivan S. F. Chan |
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| Lunch (On Your Own) 12:15 ⇒ 1:15 PM |

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| **Session K**Overview Of Non-Inferiority Trial Design, Analysis and ReportingDrs. Susan Wang and Gang Cheng, Boehringer Inglelheim ChinaModerator: Naitee Ting | **Session L**FDA Advisory Committee Meeting and Non-inferiority Case StudyDrs. 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 InglelheimProfessor Scott R. Evans, Harvard School of Public HealthModerator: 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, JapanDr. Hsien-Ming James Hung, FDAModerator: Alfred H. Balch**Texts**: Group-Sequential Clinical Trials with Multiple Co-ObjectivesSample 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