13th Annual Conference on Statistical Issues in Clinical Trials
Center for Clinical Epidemiology and Biostatistics
April 12, 2021
(Virtual)

Cluster Randomized Clinical Trials (CRTs): Challenges and Opportunities

Morning Moderator: **Jesse Yenchih Hsu** _(University of Pennsylvania)_

8:30 am – 8:35 am	Welcome: **Jeff Morris, PhD** (University of Pennsylvania)
8:35 am – 8:45 am	Opening Remarks/Logistics: **Susan S. Ellenberg, PhD** (University of Pennsylvania)
8:45 am – 9:00 am	**David M. Murray, PhD** (National Institute of Health): _Overview: Innovations in the Design and Analysis of Group-or Cluster-Randomized_
9:00 am – 9:25 am	**Victor De Gruttola, ScD** (Harvard University): _Using network-level (and individual level) Information in design and analysis_
9:25 am – 9:50 am	**Luke J. Keele, PhD** (University of Pennsylvania): _Complexities Caused by Noncompliance in Cluster Randomized Trials_
9:50 am – 10:15 am	**James P. Hughes, PhD** (University of Washington): _Current issues in the design and analysis of stepped wedge trials_
10:15 am – 10:30 am	BREAK
10:30 am – 11:10 am	**Morning Panel Discussion**: Alisa J. Stephens-Shields, PhD (University of Pennsylvania), Karla Hemming, PhD (Birmingham), and Michael A. Proschan, PhD (National Institute of Health)
11:10 am – 11:50 am	**MORNING OPEN FORUM**
11:50 am – 12:35 pm	LUNCH BREAK

Afternoon Moderator: **James D. Lewis, MD, MSCE** _(University of Pennsylvania)_

12:35 pm – 1:00 pm	**Lawrence H. Moulton, PhD** (Johns Hopkins University): _Randomization: Beyond the Closurization Principle_
1:00 pm – 1:25 pm	**Natalie E. Dean, PhD** (University of Florida): _The Ring Trial Design for the Estimation of Vaccine Efficacy and Effectiveness during Infectious Disease Outbreaks_
1:25 pm – 1:50 pm	**Deborah J. Donnell, PhD** (University of Washington): _Challenges in Implementing CRTs: from Hawthorne Effect to Measurement Bias_
1:50 pm – 2:15 pm	**Weili He, PhD** (AbbVie): _Practical Considerations in Utilizing Cluster Randomization Trials in Medical Research_
2:15 pm – 2:30 pm	BREAK
2:30 pm – 3:10 pm	**Afternoon Panel Discussion**: David M. Murray PhD (National Institutes of Health), Jeffrey N. Roberts, MD (FDA CBER), and Andrew Copas PhD (University College London)
3:10 pm – 3:50 pm	**AFTERNOON OPEN FORUM**
3:50 pm – 4:05 pm	**Closing Remarks**: _Mary E. Putt, PhD, ScD_ (University of Pennsylvania)