DEPARTMENT of BIOSTATISTICS EPIDEMIOLOGY & INFORMATICS | Perelman School of Medicine University of Pennsylvania

13th Annual Conference on Statistical Issues in Clinical Trials

Center for Clinical Epidemiology and Biostatistics
April 29, 2020
Arthur H. Rubenstein Auditorium
Smilow Center for Translational Research (SCTR)

Cluster Randomized Clinical Trials (CRTs): Challenges and Opportunities

7:30 am – 8:30 am	**REGISTRATION AND BREAKFAST**	
8:30 am – 8:35am	**Welcome:** *Jeff Morris, PhD* - University of Pennsylvania	
8:35- am 8:45 am	**Opening Remarks/Logistics:** *Susan S. Ellenberg, PhD – University of Pennsylvania*	
	AM MODERATOR: University of Pennsylvania	
8:45 am – 9:00 am	Overview: *Innovations in the Design and Analysis of Group- or Cluster-Randomized*	**David Murray, PhD (NIH)**
9:00 am - 9:25 am	Using network-level (and individual level) information in design and analysis	**Victor DeGruttola, ScD (Harvard)**
9:25 am - 9:50 am	Complexities Caused by Noncompliance in Cluster Randomized Trials	**Luke J Keele, PhD (UPenn)**
9:50 am - 10:15 am	Current issues in the design and analysis of stepped wedge trials	**James P Hughes, PhD (UW)**
10:15 am–10:40 am	**BREAK**	
10:40 am –11:20 am	**AM Panel Discussion Alisa Shields-Stephens (UPenn); Karla Hemming PhD (Birmingham); Mike Proschan PhD (NIH)**	
11:20 am –12:00 pm	**AM OPEN FORUM**	
12:00 pm – 1:00 pm	**LUNCH**	
	PM MODERATOR: University of Pennsylvania	
1:00pm - 1:25pm	Randomization: Beyond the Closurization Principle	**Lawrence H. Moulton, PhD (JHU)**
1:25pm - 1:50pm	The Ring Trial Design for the Estimation of Vaccine Efficacy and Effectiveness During Infectious Disease Outbreaks	**Ira Longini, PhD (U FL)**
1:50pm – 2:15pm	Challenges in implementing CRTs: from Hawthorne effect to measurement bias.	**Deborah J Donnell, PhD (UW)**
2:15pm – 2:40pm	Practical Considerations in Utilizing Cluster Randomization Trials in Medical Research	**Weili He, PhD (AbbVie)**
2:40 pm – 3:05pm	**BREAK**	
3:05 pm – 3:45 pm	**PM Panel Discussion David Murray (NIH): Jeffrey Roberts MD (FDA CBER)**; **Monica Taljaard (**Ottawa Hospital Research Institute**)**	
3:45 pm – 4:15 pm	**PM OPEN FORUM**	
4:15pm – 4:30pm	**CLOSING REMARKS:** Susan S. Ellenberg, PhD - University of Pennsylvania	