

UConn

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DEPARTMENT OF STATISTICS

Spring 2018 Colloquium
UConn Department of
Statistics

Part of the
NESS Colloquium Series

**WEDNESDAY
APRIL 11, 2018**

Information Technology
Engineering Building
Room C80

REFRESHMENTS
AUSTIN RM326 3:15-3:45PM

LECTURE 4:00-5:00PM



Renee H. Moore
Emory University

The Roles of Statisticians in Clinical Trials: Here, There, Everywhere

Most are familiar with the fact that statisticians develop new statistical methodology that can be applied to real projects via data analysis. However, statisticians contribute much more to research, and particularly help maintain the highest level of scientific evidence, the clinical trial. Dr. Reneé Moore has collaborated in clinical trials research in multiple ways: as study biostatistician for one-site trials, as study statistician for one site in a multi-site clinical trial, as the lead statistician in the data coordinating center (DCC) of a multi-site clinical trial, as a member of the data safety and monitoring board (DSMB) for several clinical trials, and of course as the statistician who analyses data from a completed clinical trials. In this talk, Dr. Moore will describe the multi-faceted contributions that statisticians make in clinical trials by highlighting her experience leading a DCC (Marcus, Moore, et al. NEJM 2013). From clinical trial design, to performing power analysis and making sure the trial has rigor and reproducibility, to being responsible for the conduct of the trial, to presenting the progress of recruitment, data quality, and interim analyses of ongoing trials, and to dissemination of results - the best quality of clinical trials research is performed with statisticians present here, there, and everywhere.

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