

THE UNIVERSITY OF OKLAHOMA



Biostatistics, Epidemiology, and Research Design Key
Component Activity

*Hudson College of Public Health
Department of Biostatistics and Epidemiology*

MULTIPLICITY ADJUSTMENT IN DESIGN AND ANALYSIS OF CLINICAL TRIALS

AGENDA

Workshop Faculty:

Daniel Zhao, PhD

Presidential Professor of Biostatistics
University of Oklahoma Health Sciences Center
daniel-zhao@ouhsc.edu

Schedule:

Dates: Friday 9/24

Time: 1:00 – 2:00 PM

Location: Virtual through Zoom. Online registration required. Please register here: [Workshop Registration](#) if you plan to attend.

Format:

The format includes remote didactic lectures. Sessions will be recorded and videos also will be posted following each session.

Course materials should be downloaded or printed for personal use prior to each session from the following website.

Website: <http://osctr.ouhsc.edu/r-short-course>

Topics:

Topics include examples of multiplicity problems, definition of familywise error rate (FWER), weak and strong control of FWER, adjusted p-values, common multiplicity adjustment procedures including Bonferroni, Tukey, Holmes, Hochberg, gatekeeping, fallback, and chain procedures..

Pre-requisite requirements:

Attendees are expected to have completed at least one introductory undergraduate or graduate course in biostatistics or statistics.

Materials for the Session:

PowerPoint slides and sample SAS code will be provided prior to session.

Sponsor Acknowledgement:

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Translational Resources, National Institutes of Health, National Institute of General Medical Sciences Grant U54GM104938

Short Course Faculty Biographical Summaries:

Dr. Daniel Zhao is Professor of Biostatistics at OUHSC. He is a member of the Biostatistics, Epidemiology, and Research Design Core of the Oklahoma Shared Clinical and Translational Resources (OSCTR). He is also the Associate Director of the Biostatistics Research Design and Shared Resources at the Stephenson Cancer Center. Previously, he worked at University of Texas Southwestern Medical Center and Eli Lilly. He obtained a Bachelor in Mathematics from Peking University and a PhD in Statistics from the Iowa State University. His research areas included longitudinal data analysis, misclassification, and adaptive clinical trial designs.