Indiana University-Purdue University Indianapolis
Department of Mathematical Sciences

STATISTICS SEMINAR

12:15pm—1:15pm, Tuesday, February 28, 2023
Zoom Meeting: Meeting ID: 845 0989 4694

Speaker: **Jiayue Wang**
Department of Mathematical Sciences, IUPUI

Title: **Interim and Terminal Analyses of Clinical Trials with Failure-Time Endpoints and Related Group Sequential Designs**

Abstract:

Since interim reviews of the data are usually incorporated in the design and execution of long-term clinical trials at least for the purpose of monitoring safety of the treatments, these trials (of which BRAT is an illuminating example) are particularly suited to group sequential designs. We describe the design of BHAT and the interim analyses of the resulting dataset that led to its early termination. We report some re-analyses of this dataset to illustrate certain statistical issues and methods. This also provides a roadmap to the literature on the design and analysis of clinical trials with failure-time endpoints and periodic data reviews.