

# Using Response-Adaptive Designs: When? Why? and How?

by

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## **Abstract**

Response-adaptive randomization (RAR) has a long history in the biostatistical literature and has become a hot research area in biostatistics. In this talk, we first summarize some recent development of RAR procedures. Then we will discuss the following three issues of response-adaptive design: when to use it? why use it? and how to use it? Further, we re-design some real clinical trials by using response-adaptive randomization procedures and discuss the advantages of RAR procedures.