

Short Course on Response-Adaptive Methods for Clinical Trials – ACS2025 Programme

MRC Biostatistics Unit, University of Cambridge

Lecturers: Sofía Villar and Lukas Pin

Sunday, November 30th 2025

11:00– 11:05	Welcome: course and lecturers introductions
11:05 – 11:45	Lecture 1: Introduction to RAR design and analysis (SV)
11:45 – 12:30	Lecture 2: Considerations for implementing and targeting optimal RAR designs: optimal designs and targeting an unequal proportion (LP)
12:30 – 13:15	LUNCH BREAK
13:15 – 14:15	<i>Practical 1: Implementing and comparing different RAR in practice</i> [No R code needed, Shiny App] SV + LP
14:15 – 15:00	Lecture 3: Further methodological considerations in RAR: early stopping, missing data and estimation. (SV)
15:00 – 15:15	<i>Short coffee break</i>
15:15 – 16:00	Lecture 4: Other topics in RAR: deciding a burn-in size and applications to dose finding (LP)
16:00	Q&A and Closing Discussion. End of the day.