

**SAVE THE DATE: Thursday 5 June 2025**

Venue: The Wolfson Lecture Theatre, University of Bath

Format: In-person & Online



## Agenda

A whole-day workshop on

### Improving the Efficiency of Clinical Trials – from Methods to Practice

Theme 1: Master protocols and cluster randomised trials

Theme 2: Optimisation in adaptive designs

Overview:

Clinical trials can be made more efficient by allowing evaluation of many treatments and patient subgroups in one overarching study, as well as mid-course adaptations during an ongoing study. Such adaptations may be early stopping for safety and/or efficacy, dose adjustment, treatment selection, population enrichment, etc. This workshop will focus on statistical methods for the design and analysis of clinical trials, with a strong emphasis on applications. The talks will cover various types of modern clinical trials including

- basket and platform trials
- cluster randomised trials
- first-in-human trials
- group sequential trials.

This workshop is predominantly aimed at applied statisticians. We also welcome attendance by students and non-statistician professionals interested in related topics. A pre-workshop training (half day) will be offered at no extra cost on 4 June 2025.

#### Confirmed Speakers:

Chris Jennison, University of Bath  
Elias Laurin Meyer, Berry Consultants  
Haiyan Zheng, University of Bath  
Karim Anaya-Izquierdo, University of Bath  
Lizzi Pitt, GlaxoSmithKline plc  
Nicolas Ballarini, Novartis AG  
Nick Berry, Berry Consultants  
Peter Jacko, Berry Consultants & Lancaster University  
Tom Burnett, University of Bath  
Tom Parke, Berry Consultants  
Zhi Cao, University of Cambridge



### Wednesday, 4 June 2025

13:00 – 13:15	Arrival	
13:15 – 13:30	Welcome & Introduction	
13:30 – 16:00		Tutorial: A Primer on Statistical Designs for Modern Clinical Trials
16:00 – 17:00		Speed Networking Session
17:00 – 17:30	Closing	

### Thursday, 5 June 2025

9:00 – 9:50	Arrival & Networking (Coffee, tea, pastry will be provided)		
9:50 – 10:00	Welcome		
10:00 – 10:30	EP	Elias Laurin Meyer Berry Consultants	Designing a Seamless P1/P2a Open Enrollment CRM Dose Escalation Study
10:30 – 11:00	EP	Lizzi Pitt GlaxoSmithKline plc	Using Dynamic Programming to Produce Optimal First in Human Trial Designs
11:00 – 11:30	EP	Zhi Cao University of Cambridge	Robust Bayesian Hierarchical Models for Jointly Evaluating Toxicity and Efficacy in Basket Trials
11:30 – 12:00	EP	Haiyan Zheng University of Bath	Design and Analysis of Basket Trials Enabling Pairwise Borrowing of Information
12:00 – 13:00	Lunch		
13:00 – 13:30	SS	Spotlight session Early-career researchers	3-min Talk Each
13:30 – 14:00	CP	Chris Jennison University of Bath	Optimising Group Sequential and Adaptive Designs: Where Frequentist meets Bayes
14:00 – 14:30	CP	Tom Parke Berry Consultants	Using Machine Learning to Optimize Group Sequential Trial Design
14:30 – 15:00	CP	Karim Anaya-Izquierdo University of Bath	Spatial Spillover Effects in Cluster Randomised Trials: Lessons Learnt for Design
15:00 – 15:30	Coffee/Tea and Refreshments		
15:30 – 16:00	CP	Nicolas Ballarini Novartis AG	Optimizing Subgroup Selection in Two-stage Adaptive Enrichment and Umbrella Designs: An Insight into Theoretical Foundations and Practical Considerations
16:00 – 16:30	CP	Peter Jacko Lancaster University & Berry Consultants	A Fair and Efficient Randomization Scheme for Seamless Exploratory/Confirmatory Clinical Trials
16:30 – 17:00	PT	Nick Berry Berry Consultants	Getting the Most Out of Patient Data: Improving Efficiency in Adaptive Platform Trials Through Longitudinal Models
17:00 – 17:30	PT	Tom Burnett University of Bath	Adding Unplanned Treatments to Multi-Arm Multi-Stage Trials in Progress
17:30 – 18:00	Closing & Networking		

CP: Confirmatory Phase; EP: Early Phase; PT: Platform Trials; SS: Spotlight Session.