



BTOG Workshop on Applied Methods in Clinical Trials

Date: Wednesday 4th March 2020

Venue: Hilda Clarke & Marjorie Sykes Suite, Friends House, 173 Euston Road, London, NW1 2BJ

This meeting has been awarded for 4 category 1 (external) CPD credits by the Royal Colleges of Physicians of the United Kingdom (code 130172).

Learning Objectives:

- Provide clarity on key methodological and biostatistical concepts in clinical trials
- Highlight emerging new concepts such as estimands and platform, basket, umbrella trials
- Clarify the difference between frequentist and Bayesian approaches to trials
- Provide insight into the advantages of statistical modelling across phases
- Illustrate methodology throughout the day with real-world examples
- Consolidate learning with interactive discussions and problem-based exercises
- Provide opportunity to submit questions prior to workshop
- Provide necessary knowledge to be able to critically appraise clinical trial proposals and publications

Agenda (subject to change)

10:00 – 10:30	Registration and refreshments (30 minutes)	
10:30 – 10:35	Open and welcome from BTOG Steering Committee Chair	Sanjay Popat
10:35 – 10:50	Translating a research question into a trial concept	Lucinda Billingham
10:50 – 11:20	Outcome measures and the new era of estimands	Lucinda Billingham
11:20 – 11:50	Estimating treatment effects and confidence intervals	Matt Sydes
11:50 – 12:20	Decision-making using hypothesis tests	Nick Counsell
12:20 – 12:30	Discussion / Questions	All faculty
12:30 – 13:15	Lunch (45 Minutes)	
13:15 – 14:00	Determining required sample size and operating characteristics	Matt Sydes / Lucinda Billingham
14:00 – 14:45	Bayesian approaches to trial design and analysis	Lucinda Billingham
14:45 – 15:00	Refreshments (15 minutes)	
15:00 – 15:30	Expanding from simple to complex trial designs and incorporating biomarkers	Louise Brown
15:30 – 16:00	Design and analysis of trials to identify subgroups with differential treatment effects	Nick Counsell
16:00 – 16:10	Closing remarks and close of workshop	Sanjay Popat

Faculty:

Lucinda Billingham, Professor of Biostatistics, Cancer Research UK Clinical Trials Unit, University of Birmingham

Louise Brown, Senior Statistician, MRC, Clinical Trials unit, University College of London

Nick Counsell, Cancer Research UK and UCL Cancer Trials Centre, University College London

Sanjay Popat, Professor of Medical Oncology and Chair of BTOG Steering Committee

Matt Sydes, Professor of Clinical Trials, MRC Clinical Trials Unit, University College London