Adaptive Designs and Multiple Testing Procedures (ADMTP) Workshop 2025

Provisional Scientific Program

Note: the program below is subject to speaker confirmation

Wednesday 26th February

8.00 – 8.30	**Registration and coffee**
8.30 – 8.35	**Welcome**
8.35 – 10.40	**Dose finding and dose selection** • Designing a seamless P1/P2a open enrollment CRM dose escalation study *Elias Laurin Meyer* • On the Consistency of Partial Ordering Continual Reassessment Method (POCRM) with Model and Ordering Misspecification *Weishi Chen* • Joint modelling of ctDNA and response in dose-finding designs in oncology *Xijin Chen* • Applying Bayesian Response Adaptive Randomization to dose-ranging platform trials *Connor Fitchett* • Optimizing Dose Selection Designs for Phase 3 Trials *Cornelia Kunz* • Adding an active dose level to an ongoing randomized controlled phase III study *Lorenz Uhlmann*
10.40 – 11.00	**Coffee**
11.00 – 12.45	**Discussion session on the practical challenge** • Navigating Interim Analyses and Multiple Endpoints: Handling Accelerated Recruitment and Converging Analyses *Franz König* • Adjusting the information fraction by sample-size reassessment *Fredrik Öhrn* • Exploitation of multivariate central limit theorems in a closed test procedure for group sequential designs *Moritz Fabian Danzer* • Discussants (TBC)
12.45 – 13.30	**Lunch**

13.30 – 15.15	**Group sequential designs** • Group-sequential methods for generalised pairwise comparisons *Stephen Schüürhuis* • Two-Part Models in Group Sequential Designs for Zero-Inflated Data *Fabrice Lotola Mougeni* • Using Machine Learning to Optimize Trial Design *Tom Parke* • Accounting for delayed responses in group sequential designs – needed or nice to have? *Carolin Herrmann* • Evaluating the impact of outcome delay on adaptive designs *Aritra Mukherjee*
15.15 – 15.35	**Coffee**
15.35 – 17.40	**Platform trials** • Online control of the Family-wise error rate (FWER) for multi-arm multi-stage platform trials *Jiangyue Yao* • Adjusted treatment effect estimators for platform trials with interim analyses utilizing non-concurrent controls *Pavla Krotka* • Unconditional treatment effect estimates when adjusting for time in platform trials with binary endpoints *Marta Rofill Boig* • When is a multi-armed trial a platform trial and what are the implications? *Tobias Mielke* • Improving implementation of Adaptive Multi-Arm Multi-Stage Trials: The MAMS R Package *Nikita Mozgunov* • A Fair and Efficient Randomization Scheme for Multi-Arm Seamless Two-Phase Clinical Trials *Peter Jacko*

Thursday 27th February

8.00 – 8.30	**Registration and coffee**
8.30 – 10.35	**Response-adaptive randomisation** • Maximizing Power of Statistical Tests in Clinical Trials *Lukas Pin* • Response Adaptive Randomization – when trying to select the best arm/dose from those being tested *Tom Parke* • Exact statistical analysis for response-adaptive clinical trials: A general and computationally tractable approach *Stef Baas*

	• Patient-oriented response-adaptive designs based on a novel information measure in multi-arm trials with quantitative endpoints *Gianmarco Caruso* • Covariate-Adjusted Response Adaptive Designs for Semiparametric Survival Models *Ayon Mukherjee* • Design and inference for multi-arm clinical trials with informational borrowing: the interacting urns design *Rosamarie Frieri*
10.35 – 11.05	**Coffee + Working group meeting**
11.05 – 12.50	**Estimation** • Covariate Adjustment in Bayesian Adaptive Randomized Controlled Trials *James Willard* • Confidence intervals for adaptive designs *David Robertson* • The uniformly most powerful conditional unbiased test and conditional confidence interval in two-stage adaptive enrichment designs *Enyu Li* • Pre-specification and Bias in Hybrid RCTs *Han Chang Chiam* • Exploratory Adaptive Enrichment Design with Sample Size Re-estimation: A Novel Approach for Clinical Trial Optimization *Elad Berkman*
12.50 – 13.35	**Lunch**
13.35 – 15.20	**Multiple testing** • Adding baskets to an ongoing basket trial with information borrowing *Libby Daniells* • Optimising graph-based multiple testing procedures by incorporating clinical considerations into flexible power objectives for FWER control *Alex Spiers* • Optimizing Endpoint Analysis in the context of Kidney Transplant Studies: Composite vs. Multiplicity-Corrected Approaches *Felix Herkner* • Extensions to a closed testing procedure for assessing efficacy in a prespecified subpopulation *Michael Grayling* • Sequential conduct of clinical trials *Leonard Held*
15.20 – 15.40	**Coffee**
15.40 – 17.25	**Complex Innovative Designs and Decision Analysis** • Real-world use of adaptive designs in paediatric clinical trials – A review of the European Medicines Agency's Clinical Trials Information System (CTIS) *Fabian Eibensteiner*

	• Bayesian decision analysis for clinical trial design with binary outcome in the context of Ebola Virus Disease outbreak – Simulation study *Drifa Belhadi* • Communicating Complex Considerations in Dual Endpoint Trial Design – An Oncology Case Study *Boaz Adler* • Assessing the Effects of Additional Investment in Earlier Phase Trials to Enhance Overall Program Probability of Success Through Informed Priors *Valeria Mazzanti* • Model-Guided Parameter Optimization for Complex Innovative Trial Designs *Raviv Pryluk*
17.25 – 17.30	**Closing**