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**Current developments in cluster randomised trials and stepped wedge designs**

**30th November 2017, 10:30-16:00**

Queen Mary University of London: Clark Kennedy lecture theatre, Innovation Centre, 4 Newark St, London, UK, E1 2AT

**Map:** [**http://www.qmul.ac.uk/docs/about/27062.pdf**](http://www.qmul.ac.uk/docs/about/27062.pdf)

**For more details:**

[**http://www.qmul.ac.uk/pctu/courses-and-events/events/current-developments-in-cluster-randomised-trials-and-stepped-wedge-design/**](http://www.qmul.ac.uk/pctu/courses-and-events/events/current-developments-in-cluster-randomised-trials-and-stepped-wedge-design/)

10:00-10:30: Coffee

10:30-10:40: Introduction (**Prof Sandra Eldridge, Queen Mary University of London, UK**)

10:40-11:40: Session 1 (Designing efficient trials – **Chair: Sally Kerry, Queen Mary University of London, UK**)

10:40-10:55: *Designing internal studies to assess feasibility, before randomisation, in cluster RCTs*

**Lauren Bell, Queen Mary University of London, UK**

10:55-11:10: *Covariate constrained randomization for cluster trials: New strategies for design and analysis*

**Dr Liz Turner, Duke University, USA**

11:10-11:25: *“Better than randomisation”. How to carry out minimisation for a stepped wedge design*

**Dr Paul Seed, King’s College London, UK**

11:25-11:40: *An integrated population-averaged approach to the design, analysis, and sample size determination of stepped wedge cluster randomized trials*

**Prof John Preisser, University of North Carolina, USA**

11:40-12:00: *Break and Posters*

12:00-13:00: Session 2 (Workshop on CONSORT extension for Stepped Wedge Trials)

**Dr Karla Hemming, University of Birmingham, UK**

**& Dr Monica Taljaard,** **University of Ottawa, Canada**

13:00-14:00: Lunch and Posters

14:00-15:00: Session 3 (Challenges in the statistical analysis – **Chair: Dr Beth Stuart, University of Southampton, UK**)

14:00-14:15: A*nalysing cluster randomised trials with an assessment of outcome at baseline*

**Dr Richard Hooper, Queen Mary University of London, UK**

14:15-14:30: *Causal treatment effects in cluster randomised trials: estimation by cluster-level instrumental variable methods*

**Schadrac Agbla, London School of Hygiene and Tropical Medicine, UK**

14:30-14:45: *Analysing stepped wedge cluster randomised control trials by means of a linear mixed effects model: A simulation study*

**Alicia Nickless, University of Oxford, UK**

14:45-15:00: D*ecomposition of the treatment effect estimator in stepped wedge trials: Understanding the horizontal and vertical contributions*

**Prof Andrew Forbes, Monash University, Australia**

15:00-15:15: *Break and Posters*

15:15-15:45: Session 4 (Research quality and risk of bias – **Chair: Prof Bruno Giraudeau, Tours University, France**)

15:15-15:30: *New Cochrane risk of bias tool for cluster randomised trials*

**Prof Sandra Eldridge, Queen Mary University of London, UK**

15:30-15:45: A *systematic review of feasibility studies for stepped-wedge cluster randomised trials*

**Caroline Kristunas, University of Leicester, UK**

15:45-15:55: Update from previous meetings – **Chair: Dr Clémence Leyrat, London School of Hygiene and Tropical Medicine, UK:**

* **Dr Agnès Caille, Tours University, France:** *The timeline cluster tool online*
* **Claire Chan, Queen Mary University of London, UK:** *Cluster and stepped-wedge designs website*

15:55-16:00: Conclusions (**Prof** **Sandra Eldridge**)

16:00 onwards: social gathering

The Good Samaritan, 87 Turner Street, Whitechapel, London E1 2AE (just round the corner)

**List of poster presentations**

*P1. The consequences of treatment non-compliance in cluster randomized trials*

**Dr Mirjam Moerbeek, Utrecht University, the Netherlands**

*P2. Addressing treatment contamination in trials of complex interventions: results from a simulation study comparing two design options*

**Nicholas Magill, King’s College London, UK**

*P3. Small sample corrections for cluster randomised trials: implications for power and type I error rate*

**Dr Katy Morgan, London School of Hygiene and Tropical Medicine, UK**

*P4. Do cluster randomised and individually randomised trials estimate the same intervention effect? A meta-epidemiological study*

**Dr Clémence Leyrat, London School of Hygiene and Tropical Medicine, UK**

*P5. What can be gained from contact network information in cluster randomized trials for infectious processes?*

**Dr Mélanie Prague, Université de Bordeaux, France**

*P6. Design of an adaptive cluster randomised crossover trial, with application to the STRIVE trial*

**Dr Michael Grayling, MRC Biostatistics Unit, Cambridge, UK**

*P7. Applying General Balance Theory to Step-Wedge Designs*

**Dr Simon Bond, Cambridge Clinical Trials Unit, UK**

*P8. The Children and Young People’s Health Partnership (CYPHP) Evelina London Model of Care: Designing an Opportunistic Cluster Randomised Evaluation of a Complex Intervention*

**Dr Julia Forman, King’s College London, UK**

*P9. Measuring ‘standard’ or ‘usual’ care as a comparison in cluster randomised controlled trials of healthcare interventions*

**Emel Yorganci, King's College London, UK**