

SRSM Program, Portland 2022

Drafted by Julian Higgins and Tianjing Li

April 28, 2022

Monday, July 18: Day 1

Chair: Tianjing Li

- 08:30 Arrival and conference registration
- 09:00 Session 1: *Welcome and Presidential Address*
Georgia Salanti: Title TBC
- 10:15 Break
- 10:40 Session 2: *Network meta-analysis*
- 10:40 **Silvia Metelli**: NMAstudio: a fully interactive web-application for producing and visualising network meta-analyses [demonstration]
- 11:00 **Maria Petropoulou**: Model selection for component network meta-analysis in connected and disconnected networks
- 11:20 **Theodoros Evrenoglou**: Sharing information across patient subgroups to draw conclusions from sparse treatment networks
- 11:40 **Haitao Chu**: Bridging randomized controlled trials and single-arm trials using commensurate priors in arm-based network meta-analysis
- 12:00 **Yu-Kang Tu**: A structural equation modelling approach to component network meta-analysis
- 12:20 Lunch
- 13:20 Session 3: *Symposium*
Timely and reliable evidence for effects of COVID 19 treatments: how the WHO REACT team addressed methodological challenges of rapid collaborative prospective meta-analyses
Chair: Julian Higgins
Presenters: Jonathan Sterne, Claire Vale, David Fisher, Peter Godolphin
- 14:50 Break
- 15:20 Session 4: *General topics*
- 15:20 **Yong Chen**: A new approach for timely systematic reviews of rapidly evolving research: identifying evidence in which we can place our confidence
- 15:40 **Carole Lunny**: Advances in overviews of systematic reviews: prevalence, factors affecting citation rates and journal impact factor, and a new taxonomy for overview topic overlap
- 16:00 **Maya Mathur**: Sensitivity analysis for p-hacking in meta-analyses
- 16:20 **Annika Wilmers**: Implementing an infrastructure for review processes in digital education: chances and challenges
- 16:40 **Miranda Cumpston**: Specifying the PICO for each synthesis: a survey of current practice in reviews of public health and health systems interventions
- 17:00 Close
- 18:00 Reception and SRSM Annal Dinner

- 08:30 Annual Business Meeting (SRSM members)
- 10:30 Break
- 11:00 Session 5: *Symposium*
Methodological challenges and development in systematic review and meta-analysis of studies of disease frequencies
Chair: Ian Saldanha
Presenters: Tianjing Li, Diana Buitrago Garcia, Georgia Salanti
Discussant: Guido Schwarzer
- 12:10 Lunch
- 13:10 Session 6: *Effect sizes*
13:10 **Mark Lipsey**: Within-study comparisons of effect sizes cased on different measures of the same construct
13:30 **Ryan Williams**: Flexible variance estimation for effect sizes from complex designs and analyses
13:50 **David Wilson**: An incident rate ratio-based effect size for pre/post over-dispersed count data
14:10 **Qi Wang**: Correcting for measurement error under meta-analysis of z-transformed correlation coefficients
- 14:30 Break
- 15:00 Session 7: *Symposium*
Compounding complications: synthesizing harms across the evidence pipeline
Chair: Beth Devine
Presenters: Riaz Qureshi, Evan Mayo-Wilson, Dawid Pieper
Discussant: Sunita Vohra
- 16:00 Session 8: *Symposium*
Implementation of open science standards in the evidence ecosystem for social and behavioral interventions
Presenters: Sean Grant, Evan Mayo-Wilson, Kevin Naaman
Discussant: Emily Tanner-Smith
- 17:00 Close
- 18:00 Excursion [optional]

- 08:30 Session 9: *Olkin Lecture*
Ian White: Title TBC
- 09:30 Session 10: *Graphical presentation of meta-analysis results*
 09:30 **Michael Borenstein**: Software to plot the distribution of true effects [demonstration]
 09:50 **Kaitlyn Fitzgerald**: The Meta-Analytic Rain Cloud Plot: a new approach to visualizing clearinghouse data
- 10:10 Break
- 10:30 Session 11: *Screening and data collection*
 10:30 **Zhipeng Hou**: Challenges in assisting research synthesis with screening prioritization: a systematic review
 10:50 **Piers Steel**: Effectively combining PRISMA with machine learning
 11:10 **Joshua Polanin**: Introducing MetaReviewer: A free, collaborative, browser-based tool for conducting data extraction [demonstration]
 11:30 **Ian Saldanha**: The Systematic Review Data Repository Plus (SRDR+): A “FHIR-ed” up, free tool for screening, data extraction, and data sharing [demonstration]
 11:50 **Matthew Page**: Systematic reviewers’ perspectives on data sharing and replication of systematic reviews
- 12:10 Lunch
- 12:50 Session 12: *Dependent effect sizes and dose-response*
 12:50 **James Pustejovsky**: A matter of emphasis: Comparison of working models for meta-analysis of dependent effect sizes
 13:10 **Megha Joshi**: Cluster wild bootstrapping to handle dependent effect sizes in meta-analysis with a small number of studies
 13:30 **Karina Diaz**: Compatible imputation of missing covariates in meta-regression of dependent effect sizes
 13:50 **Nicola Orsini**: A post-estimation procedure for visualizations in dose-response meta-analysis [demonstration]
- 14:10 Break
- 14:30 Session 13: *Symposium*
 Bayesian meta-analysis
Presenters: Christopher Schmid, Christian Röver, Tim Friede
- 16:00 Close of meeting