

SRSM Program, Portland 2022

Drafted by Julian Higgins and Tianjing Li

June 10, 2022

Monday, July 18: Day 1

Chair: Tianjing Li

- 08:30 Arrival and conference registration
- 08:45 Session 1: *Welcome and Presidential Address*
Georgia Salanti
- 10:00 Break
- 10:30 Session 2: *Network meta-analysis*
- 10:30 **Silvia Metelli**: NMAstudio: a fully interactive web-application for producing and visualising network meta-analyses [demonstration]
- 10:50 **Maria Petropoulou**: Model selection for component network meta-analysis in connected and disconnected networks
- 11:10 **Theodoros Evrenoglou**: Sharing information across patient subgroups to draw conclusions from sparse treatment networks
- 11:30 **Haitao Chu**: Bridging randomized controlled trials and single-arm trials using commensurate priors in arm-based network meta-analysis
- 11:50 **Yu-Kang Tu**: A structural equation modelling approach to component network meta-analysis
- 12:10 Lunch
- 13:00 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
- 14:30 Break
- 15:00 Session 4: *General topics*
- 15:00 **Yong Chen**: A new approach for timely systematic reviews of rapidly evolving research: identifying evidence in which we can place our confidence
- 15:20 **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
- 15:40 **Maya Mathur**: Sensitivity analysis for p-hacking in meta-analyses
- 16:00 **Annika Wilmers**: Implementing an infrastructure for review processes in digital education: chances and challenges
- 16:20 **Piers Steel**: Effectively combining PRISMA with machine learning
- 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 Annual Dinner
[Coopers Hall](#)
404 SE 6th Avenue, Portland, OR 97214
(2.3 miles from Knight Center; please arrange for your own transportation)

- 08:30 Annual Business Meeting (SRSB members only)
- 10:30 Break
- 11:00 Session 5: *Symposium*
Compounding complications: synthesizing harms across the evidence pipeline
Chair: Beth Devine
Presenters: Riaz Qureshi, Evan Mayo-Wilson, Dawid Pieper
Discussant: Sunita Vohra
- 12:00 Lunch
- 12:40 Session 6: *Bayesian meta-analysis and effect sizes*
12:40 **Christian Röver**: Bayesian random-effects meta-analysis: Practical implementation and choice of priors
13:00 **Tim Friede**: Bayesian hierarchical models for borrowing information: Methods and applications
13:20 **Christopher Schmid**: Application of Bayesian meta-analytic models to analysis of a series of N-of-1 trials for comparing two new diets to usual diet in treatment of children with inflammatory bowel disease
13:40 **Mark Lipsey**: Within-study comparisons of effect sizes based on different measures of the same construct
14:00 **Ryan Williams**: Flexible variance estimation for effect sizes from complex designs and analyses
14:20 **David Wilson**: An incident rate ratio-based effect size for pre/post over-dispersed count data
- 14:40 Break
- 15:00 Session 7: *Effect sizes (cont's) and graphical presentation of meta-analysis results*
15:00 **Qi Wang**: Correcting for measurement error under meta-analysis of z-transformed correlation coefficients
15:20 **Michael Borenstein**: Software to plot the distribution of true effects [demonstration]
15:40 **Kaitlyn Fitzgerald**: The Meta-Analytic Rain Cloud Plot: a new approach to visualizing clearinghouse data
- 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: How much research synthesis methodology do we need?
- 09:30 Session 10: *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
- 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 **Joshua Polanin:** Introducing MetaReviewer: A free, collaborative, browser-based tool for conducting data extraction [demonstration]
11:10 **Ian Saldanha:** The Systematic Review Data Repository Plus (SRDR+): A “FHIR-ed” up, free tool for screening, data extraction, and data sharing [demonstration]
11:30 **Matthew Page:** Systematic reviewers’ perspectives on data sharing and replication of systematic reviews
- 11:50 Lunch
- 12:40 Session 12: *Dependent effect sizes and dose-response*
12:40 **James Pustejovsky:** A matter of emphasis: Comparison of working models for meta-analysis of dependent effect sizes
13:00 **Megha Joshi:** Cluster wild bootstrapping to handle dependent effect sizes in meta-analysis with a small number of studies
13:20 **Karina Diaz:** Compatible imputation of missing covariates in meta-regression of dependent effect sizes
13:40 **Nicola Orsini:** A post-estimation procedure for visualizations in dose-response meta-analysis [demonstration]
- 14:00 Close of meeting