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| **Monday 11th July** |
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| **08:45 am** | **Welcome: President of SRSM**   * Welcome to the Annual Meeting and to Florence * General Introduction to the scientific sessions: * Round the room introductions * Introduction to Presidential address | **Jessica Gurevitch**  Matthias Egger  Kay Dickersin  President Elect |
| **09:00 am** | **Session 1: Chair Jessica Gurevitch**  Presidential Address  Why ecology matters, and why it matters for research synthesis methodology |  |
| **10:00 am** | **Coffee Break** |  |
| **10:30 am** | **Session 2**  Is heterogeneity our friend?  A test for heterogeneity is pointless  Heterogeneity in ecological and evolutionary meta-analyses: Its magnitudes and implications  Towards a wider definition of the I2 index  Comparison of prediction and credibility intervals  Some challenges in random-effects or mixed-effects models of meta-analysis  Allowing and quantifying heterogeneity in fixed effects meta-analysis | Michael Borenstein  Shinichi Nakagawa  José López-López  Hannah Rothstein  Elena Kulinskaya  Clara Dominguez Islas |
| **1:00 –**  **200 pm** | **Lunch** |  |
| **2:00 pm** | **Session 3**  Statistical issues in network meta-analysis  Arm-based versus contrast-based methods for network meta-analyses: Radical differences or misunderstood nuances?  The case of contrast-base versus arm-based network meta-analysis revisited  Extending an arm-based method to synthesize multiple diagnostic tests | Ian Shrier  Tony Ades  Haitao Chu |
| **3:15 pm** | **Coffee Break** |  |
| **3:45 pm** | **Session 4**  Policies we should understand  What Implications do ASA and APA Standards for Statistical Reporting Have for Meta-analysis?  Council for International Organizations of Medical Sciences (CIOMS) X Guidance for the Design and Conduct of Meta-analyses in Drug Safety | David Rindskopf  Jesse Berlin |
| **4:25 pm** | **Session 5**  Award session  Ingram Olkin Award for 2016  Early Career Development Award for 2016  Extraordinary Service Award for 2016 | Julian Higgins  Tianjing Li  Will Shadish |
| **4:40 pm** | **Session 6**  Memorial Session for Will Shadish  Chair Hannah Rothstein  Memorial Session for Ingram Olkin  Chair Larry Hedges | David Rindskopf  Michael Borenstein  Jack Vevea  Betsy Becker  Chris Schmid  Tom Trikalinos |
| **6:00 pm** | **Close of 1st day** |  |
| **7:30 pm** | **Dinner in the Garden of the Centro** |  |

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| **Tuesday 12th July** |
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| **8:15 am** | **Session 7**  Teaching systematic reviews and meta-analysis  Teaching systematic review methods to a massive, open, and online audience  Top ten things I hate to see when reviewing applied meta-analyses: We need to do a better job of teaching our field  Fixed effects meta-analysis? Random effects meta-analysis? Or weighted average meta-analysis?  Low power, selective reporting and the ‘replicability crisis’— WAAP | Tianjing Li  Chris Schmid  Fred Wolf  Tom Stanley |
| **9:45 am** | **Coffee Break** |  |
| **10:15 am** | **Session 8**  Statistical issues in network meta-analysis  Part 2  Uncertainty in Treatment Rankings  Ranking treatments in frequentist network meta-analysis works without resampling methods  Two new methods to fit models for network meta-analysis with random inconsistency effects | Ludovic Trinquart  Gerta Rucker  Martin Law |
| **11:35 am** | **Session 9**  Special statistical issues  Dependence of slopes from a single study  A percentile metric for continuous data  Improved likelihood inference in random-effects meta-analysis | Betsy Becker  Ariel M. Aloe  Annamaria Guolo |
| **12:35 - 1:15 pm** | **Session 10**  Open science and the implications for systematic reviews  What are the consequences for systematic reviews when we demand “open science”? Findings from the Multiple Sources of Data (MUDS) Research Study  Too much data from too many sources - what is the best estimate of the treatment effect? | Kay Dickersin  Tianjing Li |
| **1:15 pm** | **Lunch** |  |
| **2:15 pm** | **Session 11**  Planning future trials  Evidence-Based planning in clinical research  Use of a random effects meta-analysis in the design and analysis of a new clinical trial  Obtaining evidence by a single well-powered trial or by several modestly powered trials | Georgia Salanti  Hayley Jones  Joanna Inthout |
| **3:25 pm** | **Coffee Break** |  |
| **3:55 pm** | **Session 12**  Decision making and real-world evidence (including using non-randomized evidence and making predictions about the impact of interventions in real-world populations)  Optimal healthcare decision making under multiple mathematical models - Application in prostate cancer screening  Predicting real-world treatment effect based on randomized controlled trials (RCTs) and observational evidence  Combining randomized and non-randomized evidence in a network meta-analysis  A critical interpretive synthesis of recommendations for disinvestment from population screening | Tom Trikalinos  Eva Didden  Orestis Efthimiou  Julian Little |
| **4:30 pm** | **Session 13**  **Business Meeting** |  |
| **6:00 pm** | **Close of 2nd day** |  |
| **6:00 pm** | **Pick-up for the Guided City Tour** |  |

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| **Wednesday 13th July** |
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| **8:15 am** | **Session 14**  Bias and quality  Assessing the credibility of randomized and non-randomized studies: new approaches, new tools  A meta-epidemiological investigation of the impact of blinding on estimated treatment effects in randomized clinical trials (MetaBLIND)  Understanding bias via cross-disciplinary multi-level meta-meta-regression  Tools for Improving the Quality, Speed, and Utility of Systematic Reviews | Julian Higgins  Gemma Clayton  Daniele Fanelli  Rebecca Maynard |
| **9:45 am** | **Session 15**  Animal studies  Insights into developmental origins of health and disease using meta-analyses of animal data  Meta-analyses of animal studies with highly heterogeneous effects: a case study of methodological challenges | Malgorzata Lagisz  Gianni Virgili |
| **10:30 am** | **Coffee Break** |  |
| **11:00 am** | **Session 16**  Multivariate meta-analysis  Borrowing of strength in multivariate meta-analysis  Seeing the forest and the trees. Making sense of complex interventions: application of hierarchical multivariate meta-regression to explore heterogeneity in a synthesis of evidence on the effects of diabetes quality improvement programs"  Bivariate random effects meta-analysis models for diagnostic test accuracy studies using arcsine-based trans-formations  Models and estimation methods for multivariate network meta-analysis | Ian White  Kirstin Danko  Joseph Beyene  Dan Jackson |
| **12:20 – 1:20 pm** | **Lunch** |  |
| **1:20 pm** | **Session 17**  Selection bias  Alternative weighting schemes in the random-effects model to reduce the impact of publication bias  Network meta-analyses performed by contracting companies and commissioned by industry  Publication bias in single case designs  Empirical evaluation of multiple imputation approach to assess selection bias  A novel method for correcting publication bias in multivariate meta-analysis | Wolfgang Viechtbauer  John Ioannidis  Jack Vevea  Guido Schwarzer  Yong Chen |
| **3:10 pm** | **Coffee Break** |  |
| **3:40 pm** | **Session 18**  2015 Ingram Olkin Award Lecture | Julia Littell |
| **4:40 pm** | **Evaluation and closing remarks**  **Chair Kay Dickersin** |  |
| **5:00 pm** | **End of SRSM 2016, see you in Montreal in 2017!** |  |