Agenda

Wednesday, December 16, 2015

9:00 – 10:00  REGISTRATION

10:00 – 10:15  Opening Remarks and Introduction to Day 1

Session I – From theory to practice: Lessons learned from the evaluation of studies of chemical exposures

10:15 – 10:45  A tool for evaluating risk of bias in non-randomized studies of interventions (ROBINS-I): development and applications
Jonathan Sterne | University of Bristol (via webinar)

10:45 – 11:15  Applicability of GRADE to studies of environmental exposures
Rebecca Morgan | McMaster University

11:15 – 11:45  Risk of bias and causality assessments
Douglas L. Weed | DLW Consulting Service LLC

11:45 – 12:45  LUNCH BREAK

12:45 – 1:30  Adaptation of risk of bias assessment for environmental exposures: The IRIS experience
Glinda Cooper and Audrey Galizia | U.S. EPA
Jane Burns | Harvard T.H. Chan School of Public Health (via webinar)
Ana Navas-Ascien | Johns Hopkins University (via webinar)
Anna Pollack | George Mason University
Sharon Sagiv | University of California, Berkeley (via webinar)

1:30 – 2:20  Lessons from the Navigation Guide experience: Developing and evaluating risk of bias tools for exposure metrics in epidemiology studies
Juleen Lam | University of California, San Francisco

Lessons from the Navigation Guide experience: Issues in evaluating multiple study outcome measures for the same type of effect in systematic reviews
Tracey Woodruff | University of California, San Francisco

2:20 – 3:05  Q&A/Discussion [speakers from session + additional discussants]:
Miguel Hernán | Harvard T.H. Chan School of Public Health (via webinar)
Melissa Perry | George Washington University

3:05 – 3:15  BREAK
3:15 – 3:55  Lessons learned in protocol development and implementation of multi-endpoint systematic reviews
Daniele Wikoff | ToxStrategies

3:55 – 4:15  Wrap-up

4:15  ADJOURN

Thursday, December 17, 2015

9:00 – 10:00  REGISTRATION

Session II – Systematic review relating to mechanistic data: What is really needed and how can it be efficiently applied?

10:00 – 10:15  Introduction to Day 2
Catherine Gibbons | U.S. EPA

Current applications in the field

10:15 – 10:35  Approaches for considering mechanistic information in systematic reviews
John Bucher | National Toxicology Program

10:35 – 10:55  Analysis of in vitro studies
Andy Rooney | National Toxicology Program (via webinar)

10:55 – 11:15  Improving systematic review and usability of NexGen/high throughput data in studies of chemical toxicity using AOPs
Ed Perkins | U.S. Army

11:15 – 11:45  Q&A/Discussion

11:45 – 12:45  LUNCH BREAK

Systematic review focused on carcinogenic mechanisms

12:45 – 1:05  Key characteristics of carcinogens as a basis for organizing data on mechanisms of carcinogenesis
Martyn Smith | UC Berkeley

1:05 – 1:25  Systematic identification of the mechanistic evidence for cancer hazard assessment: Experience of the IARC Monographs programme
Kate Guyton | IARC (via webinar)

1:25 – 1:45  Epigenetic alterations induced by genotoxic occupational and environmental known human carcinogenic chemicals: A systematic literature review
Ivan Rusyn | Texas A&M University

1:45 – 2:15  Q&A/Discussion
Application of systematic review principles for linking noncancer mechanistic data to hazard characterization decisions

2:30 – 2:55  The adverse outcome pathway as integrating framework for systematic reviews
Trina von Stackelberg | Harvard Center for Risk Analysis

2:55 – 3:10  Examination of human relevance of anti-androgenic effects observed following exposure to dibutyl phthalate
Xabier Arzuaga | U.S. EPA

3:10 – 3:35  Noncancer MOA decision points: Examples from the draft formaldehyde inhalation assessment of respiratory tract effects
Andrew Kraft | U.S. EPA

3:35 – 4:10  Evidence-based methodologies in toxicology: Application to test methods comparison
Katya Tsaioun | Johns Hopkins University

4:10 – 4:55  Q&A/Discussion [speakers from session + additional discussants]:
Lyle Burgoon | U.S. Army Corps of Engineers
Deborah Cory-Slechta | University of Rochester Medical School
Elaine Faustman | University of Washington (via webinar)
Natalia Garcia-Reyero | Mississippi State University (via webinar)
Daniele Wikoff | ToxStrategies

4:55 – 5:15  Wrap-up

5:15  ADJOURN