U.S. Environmental Protection Agency Advancing Systematic Review for Chemical Risk Assessment Arlington, VA December 16–17, 2015

Agenda

Wednesday, December 16, 2015

wednesday, December 16, 2015		
9:00 – 10:00	REGISTRATION	
10:00 - 10:15	Opening Remarks and Introduction to Day 1	
Session I – Fron exposures	n theory to practice: Lessons learned from the evaluation of studies of chemical	
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 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 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	John Bucher National Toxicology Program
10:35 – 10:55	Analysis of <i>in vitro</i> studies Andy Rooney <i>National Toxicology Program (via webinar)</i>
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

12:45 - 1:05

Systematic review focused on carcinogenic mechanisms

	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

Key characteristics of carcinogens as a basis for organizing data on mechanisms of

2:15 – 2:30	BREAK	
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 Katherine 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 Center 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	