

Joint European Food Safety Authority (EFSA) and Evidence-based Toxicology Collaboration (EBTC) Colloquium

Evidence integration in risk assessment: the science of combining apples and oranges

Lisbon, Portugal, 25-26 October 2017

PROGRAMME

Overall co-chairs:

Didier Verloo, *European Food Safety Authority and EBTC*

Katya Tsaïoun, *Johns Hopkins Bloomberg School of Public Health (USA)*

Overall co-rapporteurs:

Elisa Aiassa, *European Food Safety Authority and EBTC Scientific Advisory Council*

Daniele Wikoff, *ToxStrategies, Inc and EBTC Scientific Advisory Council (USA)*

DAY 1 Wednesday, 25 October 2017		
08:00	Registration	
09:00	Welcome and introduction to the event	Didier Verloo, <i>EFSA, Assessment and Methodological Support unit</i>
09:05	Objectives of the Colloquium	Katya Tsaïoun, <i>EBTC at Johns Hopkins Bloomberg School of Public Health (USA)</i>
SESSION 1 – INTEGRATING EVIDENCE FOR HAZARD IDENTIFICATION (HI)		
Chair: Katya Tsaïoun, EBTC at Johns Hopkins Bloomberg School of Public Health (USA)		
09:15	Lecture 1 - Introduction to evidence integration for HI: overview of qualitative and quantitative methods and challenges <i>Questions</i>	Donald Rubin , <i>Harvard University (USA)</i>
09:45	Lecture 2 - Integrating evidence within and across evidence streams using qualitative methods <i>Questions</i>	Kristina Thayer , <i>Environmental Protection Agency (EPA), Integrated Risk Information System (IRIS) Division (USA)</i>
10:15	Lecture 3 - Recent developments for combining evidence within evidence streams: bias-adjusted meta-analysis <i>Questions</i>	Julian Higgins , <i>University of Bristol (UK)</i>
10:45	Lecture 4 - Quantitative approaches to combining evidence across evidence streams <i>Questions</i>	Stijn Vansteelandt , <i>University of Ghent (BE)</i>

11:15	Coffee/Tea break	
SESSION 2 - INTEGRATING EVIDENCE FOR DOSE-RESPONSE MODELLING		
Chair: Didier Verloo, EFSA, Assessment and Methodological Support unit		
11:45	<p>Lecture 5 - Introduction to dose-response modelling to derive health-based guidance values: current practice and challenges</p> <p><i>Questions</i></p>	<p>Marc Aerts, <i>Hasselt University (BE)</i></p>
12:15	<p>Lecture 6 - Combining evidence on multiple endpoints in dose-response assessments: multivariate models</p> <p><i>Questions</i></p>	<p>Wout Slob, <i>National Institute for Public Health and the Environment (RIVM), Ministry of Health, Welfare and Sport (The Netherlands)</i></p>
12:45	<p>Lecture 7 - Other quantitative methods for combining multiple studies and endpoints</p> <p><i>Questions</i></p>	<p>Matthew Wheeler, <i>The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC) (USA)</i></p>
13:15	Introduction to discussion groups	Didier Verloo and Katya Tsaioun
13:20	Lunch break	
SESSION 3 - DISCUSSION GROUPS (DG)		
14:30	<p>DG1: Qualitative methods for integrating evidence within- and across evidence streams for HI</p>	<p>Chair Holger Schünemann, <i>McMaster University (Canada)</i></p> <p>Rapporteurs Paul Whaley (EBTC) and Daniele Wikoff (EBTC)</p>
	<p>DG2: Bias-adjusted meta-analysis</p>	<p>Chair Sofia Dias, <i>University of Bristol (UK)</i></p> <p>Rapporteurs Fulvio Barizzone (EFSA) and Elisa Aiassa (EFSA/EBTC)</p>
	<p>DG3: Quantitative approaches to combining evidence across evidence streams for HI</p>	<p>Chair: Donald Rubin, <i>Harvard University (USA)</i></p> <p>Rapporteurs Laura Martino (EFSA) and Rob de Vries (EBTC)</p>
	<p>DG4: Using multiple endpoints and multiple studies for dose-response modelling: quantitative approaches</p>	<p>Chair Marc Aerts, <i>Hasselt University (BE)</i></p> <p>Rapporteurs Jose Cortinas Abrahantes (EFSA) and Sebastian Hoffmann (EBTC)</p>

16:30	Coffee/Tea break
17:00	Discussion groups continue
18:30	Adjourn
19:00	Networking cocktail

DAY 2		
Thursday, 26 October 2017 am		
SESSION 4 - CONTINUATION OF DISCUSSION GROUPS		
09:00	Focus on summarising challenges, guidance needs, and related outcomes of the discussion groups and the production of reports to the plenary session	
10:00	Coffee/Tea break	
SESSION 5 - FINAL PLENARY SESSION		
Co-chairs: Didier Verloo and Katya Tsaïoun		
10:30	Report back from DG 1 and discussion	Holger Schünemann , <i>McMaster University (Canada)</i>
11:10	Report back from DG 2 and discussion	Sofia Dias , <i>University of Bristol (UK)</i>
11:50	Report back from DG 3 and discussion	Donald Rubin , <i>Harvard University (USA)</i>
12:30	Report back from DG 4 and discussion	Marc Aerts , <i>Hasselt University (BE)</i>
13:10	Take-home messages	Daniele Wikoff, <i>ToxStrategies, Inc and EBTC (USA)</i>
13:30	COLLOQUIUM ADJOURNS	

Organising committee:

Elisa Aiassa, *European Food Safety Authority and EBTC Scientific Advisory Council*

Fulvio Barizzone, *European Food Safety Authority*

Jose Cortinas Abrahantes, *European Food Safety Authority*

Laura Martino, *European Food Safety Authority*

Katya Tsaïoun, *Johns Hopkins Bloomberg School of Public Health (USA)*

Didier Verloo, *European Food Safety Authority*

Paul Whaley, *Lancaster University and EBTC Scientific Advisory Council (UK)*

Daniele Wikoff, *ToxStrategies, Inc and EBTC Scientific Advisory Council (USA)*