

EFSA Scientific Colloquium N°22

'Epigenetics and Risk Assessment: Where do we stand?'

14-15 June 2016 | Valencia, Spain

PROGRAMME

Overall chair

Hubert Noteborn, Netherlands Food and Consumer Product Safety Authority, NL

Overall rapporteur

Sandra Ceccatelli, Karolinska Institute, SE

Tuesday, 14 June 2016

08:30-09:00 Registration participants

09:00-12:50 INTRODUCTORY PLENARY SESSION

- 09:00 **Welcome and introduction to the Colloquium**
Hans Verhagen, European Food Safety Authority
- 09:15 **Objectives of the Colloquium**
Hubert Noteborn, Netherlands Food and Consumer Product Safety Authority, NL
- 09:30 **Lecture 1 | Introduction – epigenetic regulation of health and disease**
Robert Feil, National Center for Scientific Research, FR
- 10:00 **Lecture 2 | Molecular mechanisms of chemical injury: Input from epigenomics**
Jos Kleinjans, Maastricht University, NL
- 10:30 **COFFEE BREAK**
- 11:00 **Lecture 3 | Case study: The role of epigenetics in chemical risk assessment with relevance to food safety**
Dan Doerge, National Center for Toxicological Research, US Food and Drug Administration, US

11:30 **Lecture 4 | Epigenetics and risk assessment in livestock production**
Heiner Niemann, German Institute of Farm Animal Genetics, DE

12:00 **Lecture 5 | Impact of epigenetics in environmental risk assessment**
Kevin Chipman, University of Birmingham, UK

12:30 **General discussion**

12:45 **Introduction to Discussion Groups**

12:50-14:00 LUNCH

14:00-18:00 DISCUSSION GROUPS (DG)

DG 1 Incorporating epigenetics data in mode of action and adverse outcome pathways frameworks

Chair: *David Bell, European Chemicals Agency*

Rapporteur: *Matt Wright, Newcastle University, UK*

DG 2 Epigenetics and chemical risk assessment in humans

Chair: *Tina Bahadori, Environmental Protection Agency, US*

Rapporteur: *Raffaella Corvi, Joint Research Centre, European Commission*

DG 3 Epigenetics in risk assessment of farmed animals for food production: what do we need to consider?

Chair: *Diane Wray-Cahen, Foreign Agricultural Service of United States Department of Agriculture, US*

Rapporteur: *Eric Nilsson, Washington State University, US*

DG 4 Epigenetics and environmental risk assessment: mechanisms, testing and data gaps

Chair: *Christer Hogstrand, University College London, UK*

Rapporteur: *David Spurgeon, Centre for Ecology and Hydrology, UK*

16:00-16:30 COFFEE BREAK

19:30-21.00 NETWORKING COCKTAIL

Wednesday, 15 June 2016

09:00-10:00 CONTINUATION OF DISCUSSION GROUPS

Including discussion on the outcomes of the discussion groups and the production of reports to the plenary session.

10:00 **COFFEE BREAK**

10:30-13:30 FINAL PLENARY SESSION

10:30 **Report back from DG 1 and discussion**

Matt Wright, Newcastle University, UK

11:10 **Report back from DG 2 and discussion**

Raffaella Corvi, Joint Research Centre, European Commission

11:50 **Report back from DG 3 and discussion**

Eric Nilsson, Washington State University, US

12:30 **Report back from DG 4 and discussion**

David Spurgeon, Centre for Ecology and Hydrology, UK

13:10 **Take-home messages**

Sandra Ceccatelli, Karolinska Institute, SE

13:30 **COLLOQUIUM ADJOURNS**

Organising Committee

Marco Binaglia, European Food Safety Authority

Jean-Lou Dorne, European Food Safety Authority

Nikolaos Georgiadis, European Food Safety Authority

Andrea Germini, European Food Safety Authority

Georges Kass, European Food Safety Authority

Sharon Munn, Joint Research Centre, European Commission

Hubert Noteborn, Netherlands Food and Consumer Product Safety Authority, NL

Tobin Robinson, European Food Safety Authority

Annamaria Rossi, European Food Safety Authority

Reinhilde Schoonjans, European Food Safety Authority

Andrea Terron, European Food Safety Authority

Jochen Vom Brocke, European Chemicals Agency

Diane Wray-Cahen, Foreign Agricultural Service of USDA, US