



European stakeholders workshop on New Approach Methodologies (NAMs) for Developmental Neurotoxicity (DNT) and their use in the regulatory risk assessment of chemicals.

Online on Teams 07-08-09 March 2022

Draft programme

Overall Chair: Antonio Hernandez Jerez (EFSA)

Overall Rapporteur : Andrea Terron (EFSA)

BO Rapporteurs :

- **BO 1 Rapporteur: Susanne Hougaard, DTU Technical University of Denmark**
- **BO 2 Rapporteur: Antonio Hernandez Jerez, University of Granada, Spain**
- **BO 3 Rapporteur: Martin Wilks, Swiss Centre for Applied Human Toxicology, Switzerland**

DAY 1: 07th March 2022 (13:00-17:30)

SESSION 1 | Overview on DNT

Chair : Antonio Hernandez Jerez (EFSA PPR Panel Chair, Prof. Toxicology University of Granada)
Rapporteur : Andrea Terron (EFSA, Pesticide Peer Review Unit)

13:00-13:10	Overview Welcome and Introduction to the event NT	Manuela Tiramani /Andrea Terron, EFSA, Parma, Italy
13:10-13:25	Testing for DNT, a scientific and societal need (e.g. Consensus paper, 2018)	Karin Kilian, DG ENV., Brussels, Belgium
13:25-14:00	Is the current paradigm suitable for testing the overall chemical universe?	Martin Paparella, University of Innsbruck, Austria

SESSION 2 | Overview of the DNT-IVB; scientific backgrounds, assay methods, added value and limitations

Chair : Antonio Hernandez Jerez (EFSA PPR Panel Chair, Prof. Toxicology University of Granada)
Rapporteur : Andrea Terron (EFSA, Pesticide Peer Review Unit)

14:00-14:30	Testing for key neurodevelopmental processes	Marcel Leist, University of Konstanz, Germany
14:30-15:00	Coffee break	
15:00-15:40	The DNT IVB: assays methods and data gaps. <ul style="list-style-type: none"> - Identification and explanation of which aspects of in vivo nervous system development these in vitro tests do cover and which aspects they do not cover. 	Ellen Fritzsche, IUF, University of Dusseldorf, Germany
15:40-16:00	EFSA DNT in-vivo database. In-vivo in-vitro preliminary concordance analysis and limitations	Iris Mangas, EFSA, Parma, Italy



SESSION 3 | The OECD Guidance

Chair : Antonio Hernandez Jerez (EFSA PPR Panel Chair, Prof. Toxicology University of Granada)
Rapporteur : Andrea Terron (EFSA, Pesticide Peer Review Unit)

16:00-17:00	Interpretation and integration of Data from the Developmental Neurotoxicity (DNT) In-Vitro Testing; the OECD Guidance <ul style="list-style-type: none"> - Scope of the guidance Interpretation and integration of Data from the Developmental Neurotoxicity (DNT) In-Vitro Testing; the OECD Guidance, regulatory application, IATA case studies, uncertainties analysis, tiered approaches. 	Kevin Crofton, R3Fellows LLC, United States
17:00-17:30	Open discussion	Andrea Terron, EFSA, Parma, Italy

DAY 2: 08th March 2022 (13:00-17:30)

SESSION 1 | Overview on DNT

Chair : Manuela Tiramani/Iris Mangas (EFSA)
Rapporteur : Iris Mangas/Magda Sachana (EFSA)

13:00-13:30	Regulatory consideration in EU <ol style="list-style-type: none"> a. Level of information required currently under different regulatory frameworks (e.g. REACH (Annex-dependent), BPR: OECD TG 426 (or equivalent test set) or OECD TG 443 with neuro cohorts and additional investigation for cognitive functions is now a standard data requirement) b. Potential uses in hazard and risk assessment c. Explain the current CLP criteria for developmental toxicity 	Kati Hellsten, ECHA, Helsinki, Finland
13:30-13:45	EFSA perspective opinion. EFSA Case studies.	Iris Mangas, Parma, Italy
13:45-14:00	US EPA perspective opinion on the use on DNT NAMs	Liz Mendez, US, EPA
14:00-14:15	Health Canada perspective opinion on the use on DNT NAMs	Stephanie Watson, Health Canada
14:15-14:30	Industry perspective opinion on the use on DNT NAMs	Kathrin Bothe, Bayer Crop Science
14:30-14:45	Decision tree, a case for pesticides	Andrea Terron, EFSA, Parma, Italy
14:45-15:15	Discussion	Andrea Terron, EFSA, Parma, Italy
15:15-15:45	Coffee break	



SESSION 2 | breakout sessions

Chair : Iris Mangas, Andrea Terron (EFSA, Pesticide Peer Review Unit)

Rapporteurs : Andrea Terron/Iris Mangas (EFSA)

15:45-16:00	Presentation of the breakout sessions: <ul style="list-style-type: none"> - What is necessary for the inclusion of the DNT-IVB as data requirement in different EU legislations (REACH, BPR, pesticides) identification of critical gaps, next steps? - What could be potential option(s), in the context of the IATA, for the use of DNT-IVB in DNT hazard and risk assessment? - What would be a suitable tiered approach for using the DNT-IVB in the different regulatory legislations? <ul style="list-style-type: none"> ▪ one approach may not fit to all regulatory frameworks ▪ a need to update the current approaches. - Road map proposal for the integration of the DNT IV-B in the Chemical Risk Assessment in Europe. 	Iris Mangas, EFSA, Parma, Italy
16:00-17:30	Break out session 1	Susanne Hougaard, DTU Technical University of Denmark
	Break out session 2	Antonio Hernandez Jerez, University of Granada, Spain
	Break out session 3	Martin Wilks, Swiss Centre for Applied Human Toxicology, Switzerland

DAY 3: 09th March 2022 (13:00-17:00)

SESSION 1 | Breakout sessions

Chair : Kevin Crofton

Rapporteurs : Andrea Terron/Iris Mangas (EFSA)

13:00-13:05	Welcome and introduction to the BO	Andrea Terron, EFSA, Parma, Italy
13:05-14:00	Break out session 1	Susanne Hougaard, DTU Technical University of Denmark
	Break out session 2	Antonio Hernandez Jerez, University of Granada, Spain
	Break out session 3	Martin Wilks, Swiss Centre for Applied Human Toxicology, Switzerland



14:00-14:45	Coffee break	
SESSION 2 Feedback from the breakout sessions		
Chair : Kevin Crofton		
Rapporteurs : Andrea Terron/Iris Mangas		
14:45-15:15	Discussion group 1	Susanne Hougaard, DTU Technical University of Denmark
15:15-15:45	Discussion group 2	Antonio Hernandez Jerez, University of Granada, Spain
15:45-16:15	Discussion group 3	Martin Wilks, Swiss Centre for Applied Human Toxicology, Switzerland
16:15-17:00	Final discussion and remarks	Andrea Terron EFSA, Parma, Italy and Kevin Crofton R3Fellows LLC, United States