

MilieuChemTox symposium + MCT PhD thesis award

**4 November 2016**



**(Un)Known (un)knowns in environmental risk assessment**

*We are quite sure that we know what we know, but often we also know that we lack certain information. Finally we may be completely ignorant of the things we do not know. In case we are aware of all the vital information when assessing environmental risks of chemicals, we need to act accordingly, and then it is essential that the known is implemented and accepted properly. Known unknowns create uncertainty, which can and must be taken into account when addressing risks. Inclusion of such uncertainty in risk assessment is vital, but a constant point of discussion. Ignorance may sometimes be bliss, but the unknown unknowns are thought to be a major issue in environmental risk assessment, and policy makers are constantly searching for ways to deal with the potential impacts of the unknown unknowns. In this symposium, (un)known (un)knowns are the key topic because we are really sure they play a vital role in future assessment and management of environmental contaminants (this is a known known!).*

**Morning session:**

Keynotes on knowns and unknowns in environmental risk assessment

**Young Scientists Poster Session during lunch:**

Poster session for young scientists (BSc/MSc/PhD students)

The best poster of a BSc/MSc student will be awarded a prize of €100,-!

**Afternoon session:**

Presentations by 7 PhD thesis award nominees

PhD and poster prize awarding

Closure and drinks

**Registration & Poster submission:**

Register before 31 October by sending

an e-mail to [info@milieuchemtox.nl](mailto:info@milieuchemtox.nl)

BSc/MSc students with poster: free

Members MCT, KNCV and NVT: €20

Non-members: €30

-> cash payment at entrance

**Location:**

Wageningen University & Research

Lumen – Building 100

Droevendaalsesteeg 3a

6708 PB Wageningen

The location can be reached by car, bike or public transport.

More information can be found at

[www.milieuchemtox.nl](http://www.milieuchemtox.nl)

# INTO THE GREAT UNKNOWN

## (Un)Known (un)knowns in environmental risk assessment

### Preliminary program:

9:00 Welcome with coffee/tea

9:30 Opening: Willie Peijnenburg (Leiden University/RIVM)

### *Morning session – (Un)Known (un)knowns in environmental risk assessment:*

9:45 Known knowns: Nico van den Brink (WUR) – How to deal with known risks of rodenticides?  
From risk assessment to risk management.

10:05 Known unknowns: Michiel Kraak (UvA) – Getting to know the effects of the unknowns:  
bioassay responses & suspected villains

10:25 **Coffee break**

10:55 Unknown unknowns: Nora Sutton (WUR) – Micropollutants in the watercycle

11:15 Synthesis & Discussion: Willie Peijnenburg (Leiden University/RIVM)

12:00 **Young Scientists Poster Session & Lunch**

### *Afternoon session – PhD thesis award:*

13:30 Sicco Brandsma - Occurrence and fate of alternative flame retardants in the environment

13:50 Joantine van Esterik - Assessment of the role of early life exposure to endocrine disrupting compounds in programming of obesity in a mouse model

14:10 Nina Marn - Life cycle and ecology of the loggerhead turtle (*Caretta caretta*, Linnaeus, 1758): development and application of the Dynamic Energy Budget model

14:30 Martje de Groot - Novel model systems for in vitro neurotoxicity testing

14:50 **Coffee break**

15:20 Hester Peltenburg – Towards forensic application of solid-phase microextraction

15:40 Lan Song - Towards understanding the toxicity of copper nanoparticles in aquatic ecosystems

16:00 Petra Booij - Toxic pressure of chemical stressors in pelagic microalgae in Dutch estuarine and coastal waters

16:20 Closing: PhD and poster prize awarding – Jan Willem Toering (KNCV)

16:30 **Drinks**

Next MCT symposium: 3 november 2017