NORMAN workshop Amsterdam

Occurrence, fate and effects of emerging pollutants in the environment – chemical analysis and toxicological assessment. Workshop at the Auditorium, VU University

Thursday 29 November

09:30-10:00 Registration

10:00-10:10 Introduction and welcome

Session 1. Occurrence and fate of new compound classes including metabolites and transformation products.

Chair: Pim Leonards, IVM

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10:10-10:50	<i>Keynote-</i> Dana Kolpin , U.S. Geological Survey, United States; Expanding the knowledge of emerging contaminants in the environment: recent research by the USGS
10:50-11:10	Occurrence and fate of the main classes of emerging pollutants in the aquatic ecosystem of a highly urbanized area - Sara Castiglioni, Mario Negri Institute for Pharmacological Research, Italy
11:10-11:30	Pharmaceuticals as emerging contaminants in surface waters used for the production of drinking water - Corine Houtman , Het Waterlaboratorium, The Netherlands
11:30-11:50	Occurrence and fate of per- and polyfluoroalkyl substances in the environment - Lutz Ahrens , Swedish University of Agricultural Sciences, Sweden
11:50-12:10	Screening for biotransformation products of pharmaceuticals in water-sediment tests - Zhe Li, Stockholm University, Sweden
12:10-13:40	Lunch & poster session
13:40-14:00	Occurrence and fate of pharmaceuticals in the urban water cycle - acyclovir as a case study - Carsten Prasse , Federal Institute of Hydrology, Germany
14:00-14:20	Input, distribution and effects of regulated and emerging organic pollutants in a shallow mediterranean coastal lagoon using stir bar sorptive extraction, passive sampling and bioanalysis - Concepcion Martínez-Gómez , Instituto Español de Oceanografía, Spain
14:20-14:40	Evaluation of the efficiency of wastewater advanced treatments and sludge treatments through chemical analysis of 168 selected compounds and non-target analysis - Marion-Justine Capdeville , Irstea, France
14:40-15:20	Coffee
	Session 2. Non-target analysis and identification strategies. Chair: Carsten Prasse, BfG
15:20-16:00	Keynote - Félix Hernández, University Jaume I, Spain; Strategies for investigation of metabolites of emerging contaminants in water by LC-QTOF-MS
16:00-16:20	Screening of organic miropollutants in wastewater and treated wastewater by liquid chromatography coupled with high resolution mass spectrometry - Lauriane Barritaud , Veolia, France
16:20-16:40	Recalibration and annotation of high accuracy MS/MS: implications for non-target screening - Emma Schymanski , EAWAG, Switzerland
16:40-17:00	A new scientific software approach for routine accurate mass screening - Gerard Bondoux , Waters, France
17:00-17:20	Multitarget screening and risk assessment of emerging pollutants in German rivers - Tobias Schulze , UFZ, Germany
17:20-17:30	Wrap up
18:30 -	Workshop dinner at Amsterdam American Hotel. Details below.









Friday 30 November

Session 3. Biological tools for effect assessment. Chair: Juliette Legler, IVM

9:00-9:40	Keynote - Anders Goksøyr, University of Bergen, Norway; Environmental genomics: complex methods to understand complex responses in complex systems	
9:40-10:00	Endocrine disruption of real life mixtures of POPs in experimental models and wild fish - Vidar Berg, Norwegian School of Veterinary Science, Norway	
10:00-10:20	Zebrafish as a tool to study mechanisms of developmental toxicity of environmental chemicals - Jessica Legradi , VU-IVM, The Netherlands	
10:20-11:00	Coffee	
11:00-11:20	Assessing toxic potential of pollutants in tilapia (Oreochromis niloticus) from lakes in Tanzania - Mette Bjørge , Norwegian School of Veterinary Science	
11:20-11:40	Smart monitoring of the water cycle - Ron van der Oost , Waternet Institute for the Urban Water Cycle, The Netherlands	
11:40-12:00	Sample preparation for integrated chemical analysis and bioassay application in water quality assessment - Annemieke Kolkman, KWR Water, The Netherlands	
12:00-13:00	Lunch & poster session	
Session 4. Effect-Directed Analysis – state of the art, trouble shooting and success stories. Chair: Corine Houtman, HWL		
13:00-13:40	Keynote - Elizabeth Hill, University of Sussex, United Kingdom; Are we living in a world contaminated with	

13:00-13:40	Keynote - Elizabeth Hill, University of Sussex, United Kingdom; Are we living in a world contaminated with anti-androgenic chemicals?
13:40-14:00	Characterization of AhR agonist compounds in roadside snow - Martine Muusse, NIVA, Norway
14:00-14:20	Identification of contaminants in marine waters using high resolution fractionation combined with high resolution mass spectrometry - Petra Booy , VU-IVM, The Netherlands
14:20-14.40	Identification of synthetic steroid compounds downstream of a pharmaceutical industry using effect-directed analysis - Nicolas Creusot , INERIS, France
14:40-15:00	Identification of thyroid hormone-disrupting compounds in polar bear plasma by effect-directed analysis (EDA) - Eszter Simon , BioDetection Systems, The Netherlands

15:00-15:10 Wrap up



Workshop venue Thursday-Friday 29-30/11

The workshop will be held in the Auditorium in VU University's main building. Signs will be set up in the building. The address is De Boelelaan 1105. To find connecting public transport you can use http://9292.nl/en.



Workshop dinner Thursday 29/11 at 18:30

Common workshop dinner will be held at Amsterdam hotel American, Leidsekade 97, on Leidseplein. From the VU University you can take the tram number 5 directly to Leidseplein. Contact person Jana Weiss +31 630953502





