

# Norman workshop Integrated Exposure and Effects Assessment

## Preliminary programme

### Invited speakers

Ann-Sofie Wernersson (Swedish Agency for Marine and Water Management):

Effect based tools in a water and marine regulatory framework - current use and future prospects

François Brion (INERIS, France):

Integrated approaches to investigate the effect of progestins in fish and their occurrence in the aquatic environment

Marc Mills (US Environmental Protection Agency, Cincinnati, Ohio, USA) – to be confirmed:

Using Weight of Evidence to conduct an integrated exposure and effects assessment of contaminant sources

Go Suzuki (National Institute for Environmental Studies, Japan):

Chemical safety assessment using an integrated exposure and effect analysis

### Chemical analysis and effect assessment

|                     |   |
|---------------------|---|
| Milo de Baat        | Nationwide screening of herbicide risk to algae   |
| Timo Hamers         | TIPTOP: Time Integrative Passive sampling combined with TOxicity Profiling - an effect-based strategy for cost-effective chemical water quality assessment                          |
| Corine Houtman      | Integrated analytical approaches to assess chemicals of concern in the water cycle  |
| Nicole Munz         | Combining chemical analysis, bioanalysis and risk assessment to prioritize risk driving substances in wastewater-impacted streams   |
| Ron vd Oost         | SIMONI: Smart Integrated MONItoring strategy for bioanalytical water quality assessment   |
| Annemarie van Wezel | Chemical and biological assessment, application to unconventional tight sand gas related waters and in the context of the Dutch signaling value for 'other antropogenic substances' |

### Effect-Directed Analysis

|                                     |   |
|-------------------------------------|---|
| Sebastian Buchinger                 | Screening approach for compounds in surface- and wastewater samples exhibiting estrogenic potentials  |
| Kirsten Baken/<br>Annemieke Kolkman | Tracing nitrogenous disinfection byproducts after medium pressure UV water treatment by stable isotope labeling, high resolution mass spectrometry and effect directed analysis |
| Nick Zwart                          | Development of a high resolution Effect-Directed Analysis platform for the identification of mutagens and endocrine disruptors in the aquatic environment                       |



## Norman workshop

# Integrated Exposure and Effects Assessment

### Effect assessment including omics techniques

|                  |  |
|------------------|--|
| Hélène           | Effects of exposure to an analog of the juvenile hormone on the freshwater amphipod  |
| Arambourou       | <i>Gammarus fossarum</i>   |
| Peter Behnisch   | In vitro effect based toxicity profiling and water monitoring  |
| Dimitros Damalas | From toxicity assay to metabolomics analysis - An integrated approach to assess the toxicity of three benzotriazoles in zebrafish ( <i>Danio rerio</i> ) embryos |
| Cornelia Kienle  | The Combined Algae Assay - a promising tool for water quality assessment   |
| Jessica Legradi  | Application of novel omics tools for zebrafish (neuro-)toxicological research  |

### Poster session included!

### Registration & accommodation

*Workshop 11-12 April 2017:*

- Students and NORMAN partners € 125 (after 15 March 2017 € 150)
- All other participants € 200 (after 15 March 2017 € 250)

This fee will cover attendance to the Workshop, coffee breaks and lunches during the two days.

*Workshop dinner on Tuesday 11 April 2017:*

- All participants: € 60

### Deadline for early registration is 15 March 2017

REGISTER & PAY:

[http://www.formdesk.com/vu-onlinepayment/FALW\\_Registration\\_NORMAN\\_Workshop](http://www.formdesk.com/vu-onlinepayment/FALW_Registration_NORMAN_Workshop)

FIND HOTEL ACCOMMODATION:

<https://www.preferredreservations.nl/norman>

April is a busy time in Amsterdam. Make sure to book your accommodation as soon as possible.

### Venue

Auditorium of the O|2 Building

Vrije Universiteit

De Boelelaan 1108

1081 HZ Amsterdam

The Netherlands

The venue can be easily reached by train (Amsterdam Zuid) and plane (Amsterdam Schiphol Airport).

