

# CAAT-Europe Information Day

## On

### New Approach Methods for Integrated Approaches for Testing and Assessment of Neurotoxicity



**Time:** 17 January 2019, from 9:00 am to 4 pm

**Venue:** University of Konstanz (Room K7), Konstanz, Germany

**Registration:** to register, please contact [caat-eu-2@uni-konstanz.de](mailto:caat-eu-2@uni-konstanz.de)

## Background

Current testing requirements for neurotoxicity evaluation are still mainly based on *in vivo* observations of neurobehavioral and neuropathological effects. New Approach Methods (NAM) have greatly advanced our understanding of human neurobiology and also of mechanisms of neurotoxicity. Novel *in vitro* test methods will be presented which are able to predict neurotoxicity (NT) of chemicals based on the evaluation of different crucial NT endpoints.

## AGENDA

- 09:00 – 9:45 Welcome buffet
- 09:45 – 10:00 Introduction to the information day
- 10:00 – 11:00 Microelectrode array recordings and integration of different organs to obtain more realistic *in vitro* approaches for neurotoxicity testing - *Remco Westerink (Utrecht University)* -
- 11:00 – 11:45 Preclinical neurotoxicity assessment of drug candidates - *Stefan Kustermann (F. Hoffmann-La Roche)* -
- 11:45 – 12:30 Chemically-induced nociception monitored *in vitro* - *Anna Forsby (Stockholm University)*
- 12:30 – 13:00 Lunch break
- 13:00 – 13:45 *In vitro* neurotoxicity testing - where are we today? - *Lena Smirnova (CAAT-US/ Johns Hopkins University)* -
- 13:45 – 14:30 Neurite toxicity - *Marcel Leist (CAAT-Europe/University of Konstanz)* -
- 14:30 – 15:15 Glial cells in neurodegeneration - *Stefan Schildknecht (University of Konstanz)* -
- 15:15 – 15:30 Final remarks