ADVERSE OUTCOME PATHWAYS (AOP): THE HOW AND WHY OF DEVELOPMENT & APPLICATION

LOCATION

Department of Biology, Rooseveltov trg 6, Zagreb

WORKSHOP GOAL

AOP is a novel approach in chemical risk assessment that provides the systematic organization of toxicological information to support development of predictive relationships between measures of the initiation of a chemical-induced perturbation (molecular initiating event) and adverse outcomes occurring at a level of biological organization relevant to regulatory decision-making. The goal of this workshop is to provide the participants with the theory and hands-on skills about the principles and practices underlying AOP development and its application in interpretation of environmental surveillance and monitoring data.

SCHEDULE - DAY 1 DECEMBER 18TH, 2018

Max number of participants: 50

09:00-10:30 **Welcome and Introduction to AOPs**

10:30-10:50 *Coffee Break*

10:50-12:00 **Introduction to AOPs and Case Studies**

12:00-13:15 *Lunch Break (lunch not provided)*

13:15-14:30 ***Introduction to Databases that support AOP development (Ecotox, CTD, ToxCast)***

14:30-14:50 Coffee Break

14:50-16:00 ***Introduction to methods to develop empirical evidence for the key events (behavioral, neurophysiology, genetics)***

16:00 - 16:15 Day 1 Workshop close

SCHEDULE - DAY 2 DECEMBER 19TH, 2018

Max number of participants: 24

09:00-10:15 **Hands-on exercise: building AOPs**

10:15-10:30 *Coffee Break*

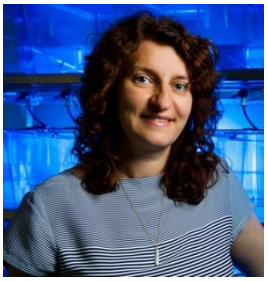
10:30-11:45 **Hands-on exercise: AOP Weight of Evidence and Causal Inference Analysis**

11:45-12:00 *Coffee Break*

12:00-13:30 **Experimental Design and General Discussion**

13:30-13:45 Day 2 Workshop close

INSTRUCTORS



DR. MARTINOVIĆ-WEIGELT *is Associate Professor at University of St. Thomas, St. Paul, MN and Oak Ridge Institute fellow at U.S. EPA. Her research focus is on development of AOPs using high content and high throughput data.*

DR. ILLIG *is Associate Professor of Biology and Neuroscience at the University of St. Thomas, St. Paul, MN. Dr. Illig has a special interest in the evolution of the nervous system, particularly in the adaptive changes in neuroanatomy that occur with speciation and in different environments.*

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