JRC Mission

policy cycle.

This programme aims to create awareness on alternative methods for

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to support EU policies with independent

evidence throughout the whole



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Agenda

Alternative approaches to modern toxicology



University of Vienna 27th – 28th June 2018

The European Commission's science and knowledge service

Joint Research Centre



Wednesday 27th June

Toxicodynamics (Brigitte Landesmann)	
09:00	Introduction and course outline
09:30	AOP Background and Principles
10:10	Discussion
10:20	Introduction to the case study
10:30	Coffee break
10:45	Break out I: Outlining an AOP
12:00	Lunch break
13:00	Discussion
13:45	AOP Wiki
14:15	Break out II: Finding information in the AOP Wiki
15:00	Discussion
15:45	Coffee Break
16:15	<i>In vitro</i> cell models
16:45	AOP applications
17:15	Wrap up
17:30	End of day 1

Thursday 28th June

Toxicokinetics (Alicia Paini)	
09:00	Introduction to Exposure, ADME (Absorption, Distribution, Metabolism, Excretion), and PBK (Physiologically-Based Kinetic) modelling
09:45	Overview of different PBK modelling approaches (hands-on)
10:15	Linking AOPs, kinetics, and exposure; AEP (Aggregate Exposure Pathway)
10:45	Coffee break
11:15	Tutorial on essential steps to build a PBK model (hands-on)
12:30	Lunch break
13:30	Break out III: PBK model application
14:30	Presentation of the results
15:15	Coffee break
15:45	Safety Assessment of chemicals – a challenge Interactive exercise
16:45	Wrap up
17:00	End of day 2