



## THE PATH FROM SCIENCE TO PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT

### *JRC Summer School on Alternative Approaches for Risk assessment*

#### Draft Programme

**Tuesday, 16<sup>th</sup> May, 12:00-17:30**

#### *Risk Assessment – Perspectives across Regulations*

- ✓ Risk assessment current state
- ✓ Alternative methods in international regulations
- ✓ Industrial perspective
- ✓ Regulatory perspective ECHA, EFSA, EMA

**Wednesday, 17<sup>th</sup> May, 09:00-17:30**

#### *Methods & Tools*

- ✓ Hazard identification and Introduction to *in vitro* models
- ✓ *in vitro* models for organ toxicities - brain, liver, heart
- ✓ *in silico*, computational models

#### *Current Concepts & New Approaches*

- ✓ Exposure assessment and Aggregate exposure Pathway (AEPs)
- ✓ ADME, Toxicokinetics
- ✓ Adverse Outcome Pathways (AOPs)
- ✓ Integrated Approaches to Testing and Assessment (IATA)

#### **POSTER SESSION**

Flash poster presentations to be announced

**Thursday, 18<sup>th</sup> May, 09:00-18:30**

#### *The 3Rs principles & standardisation*

- ✓ 3Rs and environmental toxicity
- ✓ Principles of good *in vitro* method practice,
- ✓ Validation process
- ✓ Analysis of uncertainties

#### *Hot Topics*

- ✓ Mixtures
- ✓ Endocrine disruptors
- ✓ Virtual Physiological Human (VPH), DNT, Nanomaterials

#### *Dissemination & Databases; Visit to Laboratories*

- ✓ Marketplace: various databases & tools
- ✓ Lab visits
- ✓ Art & Science the "Cage Experience"

#### *World café & AOP game*

**Friday, 19<sup>th</sup> May, 09:00-14:00**

#### *JRC Visitor Centre*

Tours/Games/Activities and presentations on Life-cycle assessment

#### *Marketplace*

Meet your peers; Job opportunities