



## Eurotox 2012 in Stockholm

### The Scientific Program



### The Local Scientific Program Committee

- Christina Rudén
- Cynthia de Wit
- Helen Håkansson
- Bert-Ove Lund
- Ian Cotgreave
- Krister Halldin
  
- Linda Molander

## The Eurotox Scientific Program Committee

- Ruth Roberts, EUROTOX Vice-President, Chair
- Christina Rudén and Cynthia de Wit, 2012 Local Scientific Programme Committee
- Jyrki Liesivuori, EUROTOX Executive Committee
- Nursen Basaran, EUROTOX Carcinogenesis Speciality Section
- David Bell, EUROTOX Risk Assessment Speciality Section
- Emanuela Corsini, EUROTOX Immunotoxicology & Chemical Allergy Speciality Section
- Jean-Lou Dorne, EUROTOX Molecular Toxicology Speciality Section
- Thomas Weiser, EUROTOX 2013 Congress representative

## The Process

- First call -- September 2010
- Preparation meeting Local SPC -- Dec 2010
- Eurotox SPC selection of sessions -- Jan 2011
- Identification of key-notes (ongoing)
- Invitation letters to speakers and chairs -- Nov 2011
- Abstract submission deadline -- Nov 30
- Abstract reviewing and acceptance coordinated by the Local SPC

## The scientific program

- 50 proposed sessions -- 24 accepted
  - 17 symposia
  - 7 workshops
  - oral sessions
  - key-note lectures
  - highlighted lectures
  - the Eurotox-SOT debate
  - a hot-issues debate
  - poster display
  - the celebration of 50 years of toxicology in Europe
- Speakers from 20 different countries

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## A glimpse at the (preliminary) program: Monday

- Chemical exposure-related **inflammation and cancer**
- Toxic exposures in the **workplace** and the environment: the contribution of **biomonitoring** to risk assessment
- Innovative **testing strategies** to identify chemical respiratory sensitizers: present and future
- **New target organ toxicities** of environmental contaminants

## Monday

- Key-note lecture: Marie Vahter
  - Revealing effects of early-life toxic metals exposure - a matter of toxicology, nutrition and epidemiology
- Highlighted lecture: Richard Judson US EPA
  - ToxCast and the Tox21 program: Perspectives
- Still one high-lighted and one key-note TBC

## Monday

- **Neurotoxicology of metals:** mechanisms and clinical effects
- **Mixture toxicity:** Current approaches and future strategies
- The use of **mechanistic data in chemical risk assessment**
- **From mechanisms of toxicity to biomarkers:** addressing current and future needs in drug safety assessment

## Tuesday

- Role of **immunosurveillance** in chemical carcinogenesis
- Large populations at risk? News on adverse health effects of **low dose exposure to toxic metals**
- From **Nanotoxicological** Research to Safe Management of nanomaterials
- **microRNAs** (miRNAs) as mechanistic indicators of drug-induced toxicity

Tuesday

- EUROTOX-SOT debate (Topic TBC)

Tuesday

- EUROTOX-SOT debate (Topic TBC)
- Hot-issues debate (Topic TBA;  
Suggestions?)

## Tuesday

- Unravelling the natural functions of the **aryl hydrocarbon receptor** and its proposed endogenous ligands
- **Read-across in risk assessment**; problems or possibilities?
- **Pollution from drug manufacturing** – assessing and managing risks in different regions of the world
- New mechanistically based models for evaluation of **drug induced liver injury**: the IMI Predictive DILI project

## Wednesday

- **New tools in genetics** and their application in toxicology
- **Clinical toxicology**: Are new insights into epidemiology and mechanisms of toxicity changing our approach to important **poisonings**?
- **Pharmaceuticals in the environment**: occurrence, effects on wildlife, and how to reduce the levels
- Toxicological significance of **pharmacogenomics in cancer treatment**

## Wednesday

- Cellular **tight junctions** – a target for **nephrotoxins**
- New in vitro methods for assessment of **developmental toxicity** endpoints
- Dose-response relationship and **receptor-mediated toxicology**
- **Stem cells** in drug discovery and development

## PLEASE!

- **Submit abstracts!**
- Encourage others to submit abstracts
  - Planning also for oral sessions for abstract presentations
- [www.eurotox2012.org](http://www.eurotox2012.org)