



The Belgian Society for Toxicology and Ecotoxicology

## **“Recent Advances in the Ecotoxicology and Toxicology of Environmental Contaminants”**

25<sup>th</sup> November 2010

Louvain-la-Neuve (campus UCL)

### **Morning Session**

Chair: Mark Martens, BelToX

9:00-9:15	<b>Welcome and Introduction</b>	<b>Mark Martens,</b> BelToX
9:15-10:15	Keynote Lecture : <b>Insights into the Mechanisms of Evolution from Ecotoxicogenomics</b>	<b>Nico Van Straalen,</b> Vrije Universiteit Amsterdam, The Netherlands
10:15-10:45	Coffee Break - Poster Session	
10:45-11:05	<b>Molecular Responses of Lymphocytes in European Eel <i>Anguilla Anguilla</i> following <i>in vitro</i> Exposure to Cadmium and Perfluorooctane Sulfonate. Biomarker Discovery using Sub-proteomics Approach</b>	<b>Kathleen Roland,</b> FUNDP, Namur
11:05-11:25	<b>Role of Neutrophils in a Mouse Model of Chemical-induced Asthma</b>	<b>Stijn Smulders,</b> K.U. Leuven, Leuven
11:25-11:45	<b>Toxicology under Pressure: the physiological Impact of Xenobiotics in Deep-sea Fish</b>	<b>Benjamin Lemaire,</b> U.C. Louvain, Woluwé
11:45-12:05	<b>Use of Trait-refined Proteomics and Transcriptomics Co-expression Networks to identify the toxic Mechanisms of Cadmium Exposure in <i>Danio rerio</i></b>	<b>Donald Benoot,</b> Universiteit Antwerpen, Wilrijk
12:05-12:25	<b>CD4<sup>+</sup> Foxp3<sup>+</sup> regulatory T Lymphocytes promote Silica-induced Lung Fibrosis by producing PDGF-B and TGF-<math>\beta</math></b>	<b>Sandra Lo Re,</b> U.C. Louvain, Woluwé
12:25-12:45	<b>Selection of DNA Aptamers for Ergot Alkaloids</b>	<b>Elsa, Rouah-Martin,</b> Universiteit Antwerpen, Wilrijk
12:45-13:00	<b>Information Session on BelToX</b>	<b>Francesca Tencalla,</b> BelToX
13:00-14:00	Lunch - Poster Session	

## Afternoon Session

Chair: Patrick Kestemont, BelTox

14:00-14:30	<b>Impact of Air Pollutants on the Respiratory Tract: Insights from Biomarker Studies</b>	<b>Alfred Bernard,</b> U.C. Louvain, Woluwé
14:30-15:00	<b>The Flanders Environmental Health Biomonitoring Program</b>	<b>Greet Schoeters,</b> VITO, Mol
15:00-15:30	Coffee Break - Poster Session	
15:30-16:00	<b>Multi-biomarker Approach for the Assessment of the Ecological Status of European Water Bodies: from Development to Application</b>	<b>Wilfried Sanchez,</b> INERIS, Verneuil en Halatte, France
16:00-16:30	<b>Mechanisms of Action of Toxicants on Aquatic Animals. Does Expression Proteomics reveal general Stress Response or specific Mechanisms?</b>	<b>Frédéric Silvestre,</b> FUNDP, Namur
16:30-17:00	<b>Environmental Contaminants and neurobehavioral Effects</b>	<b>Griet Vermeir,</b> OPZ, Geel
17:00-17:15	<b>Proclamation of Winning Presentations and Posters</b>	<b>Patrick Kestemont,</b> BelTox
17:15	<b>Closing Remarks</b>	<b>Patrick Kestemont,</b> BelTox

### Organizing Committee:

Mark Martens, Patrick Kestemont, Miranda Cornet, Marie-Louise Meisters