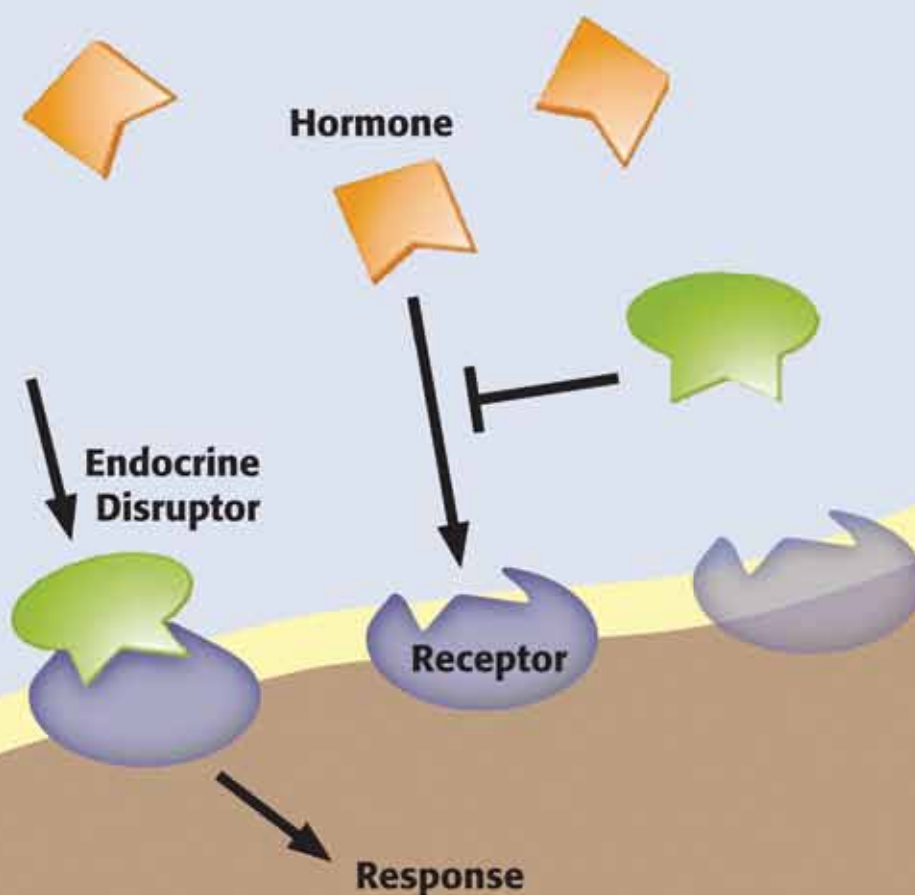


Endocrine Disruptors

8-9 February 2011
Zurich, Switzerland

2011



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Endocrine Disruptors 2011

8-9 February 2011, Zurich, Switzerland

The possible effects of chemicals on the endocrine systems of humans and the wider environment continue to be hotly debated, with fresh research on the influence of so called "endocrine disruptors" giving rise to even greater public visibility in recent years.

As such, regulatory bodies around the world have been tasked with finding a workable system to identify and validate "endocrine active disruptive substances" and to assess their effects using appropriate risk-based approaches. This has not been without controversy and the Holy Grail, it seems, is a set of clearly defined, integrated and globally harmonised test methods that minimise the need for animal testing.

According to the REACH Regulations in Europe, an Annex XV dossier has to be prepared for compounds that are carcinogenic, mutagenic, reproductively toxic, respiratory sensitisers, persistent / bioaccumulative / toxic (PBT) or of equivalent concern. While equivalent concern is somewhat unspecified, chemicals that could interact with the endocrine system would fall into that category.

In the United States, the US Congress enacted in 1996 Section 408(p) of the Food Quality Protection Act (FQPA) which directed the US Environmental Protection Agency (EPA) to develop and implement a screening program using "validated test systems" to investigate the potential of chemicals to induce adverse health effects through endocrine pathways. This endocrine disruptor screening program (EDSP) is now underway and the manufacturers of 67 pesticides and chemicals have to date received test orders for the completion of tier 1 screening tests to be done according to the EPA's 890 test guidelines.

Since an Annex XV dossier or a positive finding from the EDSP will have far reaching consequences including use restrictions up to a total ban, the assessment of endocrine activity needs to be based on solid science starting from reliable, robust, validated and internationally harmonised screening tests up to and including an agreed upon assessment of the available data considering a weight of evidence approach.

*i*Smithers inaugural **Endocrine Disruptors 2011** conference has been developed to address key topics related to the evaluation of adverse effects on the endocrine system and corresponding regulatory requirements. The conference will bring together experts from academia, government, and industry from around the globe to focus on current and future trends in testing, interpretation and evaluation of test results and how this relates to or influences regulatory activities.

Who Should Attend?

This conference would be of relevance to individuals working in the following areas:

- *In vitro* Toxicology
- Toxicology and Eco-toxicology
- Research & Development
- Regulatory Affairs
- Contract Research Organisations (CROs)

Conference Venue

Seedamm Plaza
Seedammstrasse 3
CH-8808 Pfäffikon SZ
Switzerland

Tel. +41 55 417 17 17
info@seedamm-plaza.ch
www.seedamm-plaza.ch

Surrounded by panoramic lake views, the Seedamm Plaza located at the upper end of Lake Zürich in Pfäffikon, canton Schwyz, is the perfect venue for business and meeting events with over 40 meeting rooms and a multi-functional event hall.

Accommodation

We are holding a number of rooms at the Seedamm Plaza at a specially negotiated rate. Accommodation booking forms will be sent with your joining instructions on receipt of your completed conference registration form.

For further assistance please contact
conferences@ismithers.net.

Early Registration Offers

Register before **30 November 2010** to take advantage of the special Early Bird Discount registration fee.

Companies sending one or two delegates
€799 per delegate before 30 November 2010
€1099 per delegate after 30 November 2010

Companies sending three or more delegates
€699 per delegate before 30 November 2010
€999 per delegate after 30 November 2010

Registration includes a copy of the proceedings, lunches and refreshments during the day. The cost of accommodation is not included in the delegate registration fee.

Sponsorship & Exhibition

A limited number of cost effective sponsorship opportunities are available to maximise your corporate profile at this important event. For further information please contact Alix Reeves, areeves@ismithers.net.

About the Organisers

iSmithers has been organising world class technical conferences for the polymer and related industries for over 30 years. Drawing authorities from industry and academia, conferences offer the ideal forum to hear original, pioneering technical papers and meet and exchange ideas with like-minded peers from across the world. With topics spanning the latest developments in rubber and plastics technology, legislative changes and market trends, *i*Smithers conferences continue to attract over 1,200 senior technical executives and decision makers per year.

Conference Agenda

Tuesday 8 February

08.30 COFFEE AND REGISTRATION
09.25 Welcome and Introduction to Endocrine Disruptors 2011

Session 1: History of Research on Environmental Impacts of EDCs

09.30 An overview of endocrine disruption 1933-2011: New chapters in an old story
Prof Susan Jobling, Brunel University, UK

Session 2: Regulatory Status

10.00 OECD activities on endocrine disruptors testing and assessment
Nathalie Delrue, OECD, France

10.30 The status and regulations concerning endocrine disruptors in Japan
Rieko Ishikawa DVM, MSc & Matthew Kane, LKC Switzerland Ltd, Switzerland

11.00 COFFEE

11.30 Endocrine effects in the aquatic environment – the Swiss situation
Dr Petra Kunz, Dr Cornelia Kienle, Dr Nadzeya Homazava & Dr Michael Schärer, Oekotoxzentrum, Switzerland

12.00 Europe's legal and regulatory framework for endocrine disruptors - some predictions for the future
Giles Chappell, McKenna Long & Aldridge, Belgium

12.30 Ecotoxicology: caveats to the testing of endocrine active substances for registration of pesticides
Dr Hans Ruffli, ecotoxsolutions, Switzerland

13.00 LUNCH

14.30 The current status of the United States Environmental Protection Agency Endocrine Disruptor Screening Program: a contract research organisation's prospective
Ronald C Biever, Smithers Viscient, LLC, USA

15.00 EDCs: hazardous chemicals of ever increasing concern
Jerker Ligthart, International Chemical Secretariat, Sweden

15.30 COFFEE

Session 3: Testing Strategies

16.00 Weight of evidence review to determine endocrine disrupting properties of active substances
Melanie Gross, Peter Simpson, Dawn S Maycock and Mark Crane, wca environment, UK

16.30 Endocrine disruption of the foetal testis and resulting disorders – species comparisons and differences
Prof Richard M Sharpe & Group, Queen's Medical Research Institute, University of Edinburgh, UK

17.00 Ecotoxicology – global issues for identifying and assessing endocrine disruptors
Dr James R Wheeler, Syngenta Ltd, UK & Dr Lennart Weltje, BASF SE, Germany

17.30 End of Day One

18.30 EVENING SOCIAL EVENT

Conference Language

Please note that the conference will be conducted in English.

Wednesday 9 February

08.30 COFFEE & HOTEL CHECK OUT

Session 4: Practical Aspects of Testing

09.00 An evaluation of the fish short-term reproduction assay and the amphibian metamorphosis assay
Katherine Coady, Troy Marino, Rebecca Currie, Johnson Thomas, David Geter & Gary Klecka, The Dow Chemical Company, USA

09.30 Multiple biotectors for endocrine disrupting chemicals and pharmaceuticals (EDCs)
Dr Peter A Behnisch & A Brouwer, Biodetection Systems BV, The Netherlands

10.30 Validation results and methods for improving in vitro tier 1 endocrine disruption screening assays
Dr Colleen Toole, DP Blakeman, N Nickols, M Clark, H Wagner and JM McKim Jr, CeeTox, USA

11.00 COFFEE

11.30 Implementing tier I mammalian assays to meet data requirements for the EPA Endocrine Disrupting Screening Program (EDSP)
Sue Marty & Katherine Coady, The Dow Chemical Company, USA

Session 5: Hazard/ Risk Assessment Discussion of Fundamental Aspects in the Evaluation of Endocrine Active Chemicals

12.00 Endocrine disruption in fish in English rivers: Addressing the population level effects question
Prof Charles Tyler, University of Exeter, UK

12.30 Endocrine disrupting chemicals in fish: Developing exposure indicators and predictive models of effects based on mechanism of action
Gerald T Ankley, US EPA, USA

13.00 Amphibians as sensors for endocrine disruptors
Werner Kloas, Leibniz-Institute of Freshwater Ecology and Inland Fisheries & Humboldt University Berlin, Germany

13.30 LUNCH

Session 6: Case Studies

14.30 UV-absorbing chemicals in the environment interfere with hormonal systems in fish
Karl Fent, Sara Zucchi & Verena Christen, University of Applied Sciences Northwestern Switzerland & Swiss Federal Institute of Technology (ETHZ), Switzerland

15.00 Hormonally active substances in bottled mineral water?
Dr Beat J Brüscheweiler, Federal Office of Public Health (FOPH), Switzerland & Daniela Tropiano & Petra Y Kunz, Swiss Federal Institute of Aquatic Science and Technology (Eawag), Switzerland

15.30 COFFEE

16.00 Phthalates - they are not all the same
Rainer Otter, BASF SE, Germany

16.30 Managing a substance in the marketplace when the rules are unclear – A case study of a thyroid-active chemical
Paul Ashford, Caleb Management Services Ltd, UK

17.00 END OF CONFERENCE

The conference organisers reserve the right to modify or change the above programme if necessary.

1. Full Name..... Job Title Dr/Prof/Mr/Mrs.....
 2. Full Name..... Job Title Dr/Prof/Mr/Mrs.....
 3. Full Name..... Job Title Dr/Prof/Mr/Mrs.....
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Contact Address

Company

Address.....

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Invoice Address (if different)

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E-mail.....

Delegate Registration

Companies sending one or two delegates

€799 per delegate before 30 November 2010

€1099 per delegate after 30 November 2010

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€699 per delegate before 30 November 2010

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Registration includes a copy of the proceedings, lunches and refreshments during the day and an evening drinks reception.

Wallet Service:
€750 (Insertion of one pen or brochure, up to 6 A4 pages, in every delegate conference bag)

Tabletop Exhibition:
From €2000 (includes one delegate place)

Members Discount:
Rapra Members are entitled to a further discount off the standard registration fee.

If you have a Promotional Code please enter it here

Payment Information

Please indicate in which currency you wish to pay. If no box has been ticked the default currency will be \$US.

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 Tel: +44 (0)1939 250383 Fax: +44 (0)1939 252416
 E-mail: sgarrington@ismithers.net
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