

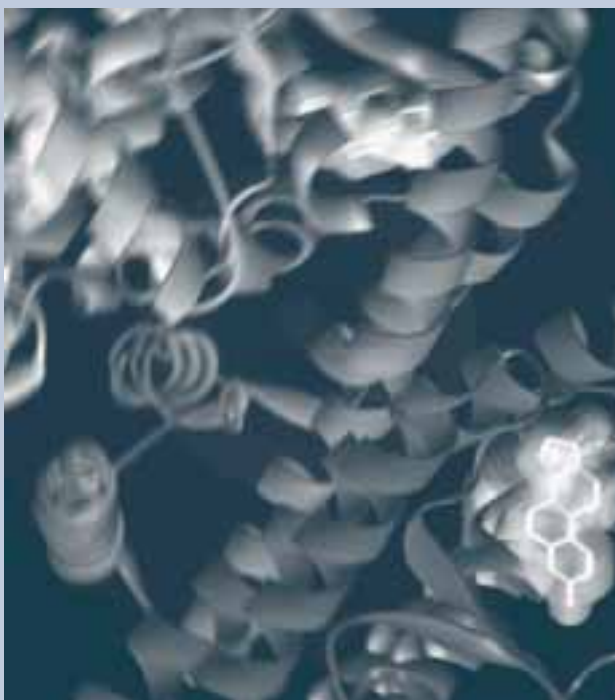
International Fresenius Conference

Endocrine Disrupters in 91/414/EEC

**21 – 22 June 2004
Cologne/Germany**

Highlights:

- Update on the OECD ecotoxicology work for endocrine disrupters
- Toxicological and ecotoxicological assessment
- Test activities in the aquatic and terrestrial compartment
- Assessing effects of endocrine disrupters in fishes, amphibians, birds and mammals
- Present and future regulatory systems – view from the European Commission
- Regulator's and industry's view on a regulatory system



Some of the speakers:

John Ashby Syngenta Central Toxicology Laboratory • **Vladimir Bencko** Charles University • **Elaine Z. Francis** U.S. Environmental Protection Agency • **Andreas Gies** Federal Environmental Agency • **Werner Kloas** Leibniz-Institute for Freshwater Ecology and Inland Fisheries • **Canice Nolan** European Commission • **Claudia E. Olivieri** BASF • **Samuel W. Page** World Health Organization • **Ralf Schulz** Syngenta • **Hans-Christian Stolzenberg** OECD • **Pieter W. Wester** National Institute for Public Health and the Environment • **Sabine Zok** BASF • and others

**Reduced fee for authorities and
institutions for advanced education**

Monday

21 June 2004

8.45 Refreshments by courtesy of Holiday Inn Cologne am Stadtwald

9.30 Welcoming speech by

Andreas Zumdick, Head of Competence Center Agro, INSTITUT FRESENIUS AG, Taunusstein/Germany
and
the chairman,
Ralf Schulz, Ecological Sciences, Syngenta Crop Protection AG, Bracknell, Berkshire/UK

Identification of endocrine disruptors

9.40 IPCS/WHO perspectives on what we need to know about endocrine disruptors

Samuel W. Page, Scientist, World Health Organization, Geneva/Switzerland
Terry Damstra, Team Leader, IPCS/IRRU, World Health Organization, Research Triangle Park, North Carolina/USA (co-author)

Regulatory perspective

10.10 Endocrine disruption in the evaluation of active substances in plant protection products under Directive 91/414/EEC

Canice Nolan, Head of Sector – Plant Protection Products, DG Health and Consumer Protection, European Commission, Brussels/Belgium

10.40 Panel discussion

11.00 Coffee break

11.30 Situation in Germany

Andreas Gies, Head of the department for chemicals assessment and gene technology, Federal Environmental Agency, Berlin/Germany

12.00 Overview of the U.S. Environmental Protection Agency's Endocrine Disrupters Screening Program

- History and implementation of the Endocrine Disrupters Screening Program
- Development and validation of tier 1 and tier 2 assays
- Approach for priority setting
- Policies for regulatory implementation
- Research that supports the Endocrine Disrupters Screening Program

Elaine Z. Francis, National Program Director for the Endocrine Disrupters Research Program, U.S. Environmental Protection Agency, Washington, DC/USA

12.30 Panel discussion

12.50 Lunch

14.20 Industry expectations from a regulatory system: the agricultural outlook

Claudia E. Olivieri, Global Issues Manager, BASF Agricultural Products, BASF Corporation, Research Triangle Park, North Carolina/USA

15.00 Panel discussion

15.20 Coffee break

Endocrine disrupter testing and assessment activities

15.50 Update on the OECD Ecotoxicology Work for Endocrine Disrupters

- Work on endocrine disrupters as a special activity of the OECD test guidelines programme
- OECD conceptual framework for testing and assessment of endocrine disrupters
- Validation work as a distinguished part of test method development
- Current activities in particular areas (fish, amphibians, invertebrates, birds)

Hans-Christian Stolzenberg, Environmental, Health and Safety Division, OECD, Paris/France – Scientific Staff/Administrator, Federal Environmental Agency (UBA), Berlin/Germany
Anne Gourmelon, Environment, Health and Safety Division, OECD, Paris/France (co-author)

16.30 Human exposure to endocrine disruptors: risk assessment and a case study trigger for the ecotoxicology

- Human exposure to endocrine disrupters from a central European Perspective
- Risk assessment of breast fed children – grant of the Ministry of environment, Czech Republic
- Some preliminary experiences from the PCB/RSK 5th Framework Project "Evaluating human health risk from low-dose & long-term PCB exposure"

Vladimir Bencko, Head of Institute of Hygiene & Epidemiology, Charles University of Prague, First Faculty of Medicine, Prague/Czech Republic

17.00 Panel Discussion

Tuesday

22 June 2004

Approx.

17.30 Summary of the results by the chairman



After the first conference day has ended, Akademie Fresenius would like to invite the participants to a leisurely evening in the Private Brewery Sion - a perfect opportunity for talks and discussions with speakers and participants – and perhaps for a sight-seeing tour through the Old Town of Cologne.

8.30 Welcoming speech by the chairman

Endocrine disrupter testing and assessment activities

8.40 Ecotoxicology testing in laboratory fish with reference to endocrine disrupters: partial life cycle test with emphasis on histopathology

Pieter W. Wester, Laboratory for Toxicology, Pathology and Genetics, National Institute for Public Health and the Environment (RIVM), Bilthoven/The Netherlands

9.10 Proposed enhanced and new OECD guidelines to determine endocrine disrupting effects in fish

- Fish screens and tests
- Additional, endocrine specific endpoints
- Status of the pre-validation work

Thomas Knacker, Managing Director, ECT Ökotoxikologie GmbH, Flörsheim/Germany

9.40 Test activities in the aquatic compartment – assessment of effects of endocrine disrupters in amphibians

- Amphibians as model to study endocrine disrupters
- Potential effects of endocrine disrupters on reproductive biology and thyroid system of amphibians (methodology)
- Testing strategies for endocrine disrupters using amphibians as model

Werner Kloas, Head of Department of Inland Fisheries, Leibniz-Institute for Freshwater Ecology and Inland Fisheries, Berlin/Germany

10.10 Panel Discussion

10.40 Coffee break

11.10 Assessing effects of endocrine disrupters in birds and mammals – test methods and risk assessment

- Test strategy - where are additional test methods needed?
- Additional endpoints - specificity and biological relevance
- Avian Two Generation Test
- Evaluation and risk assessment for endocrine modulators

Sabine Zok, Department of Product Safety, BASF AG, Ludwigshafen/Germany

11.40 Combination effects and risk assessment

Andreas Kortenkamp, University of London, The School of Pharmacy, Centre for Toxicology, London/UK

12.10 Mammalian endocrine disruption – where are we a decade on?

- Assays for endocrine disruption
- Complicating factors
- The bigger picture

John Ashby, Principal Syngenta Fellow, Syngenta Central Toxicology Laboratory, Macclesfield, Cheshire/UK

12.40 Panel Discussion and summary of results by the chairman

13.30 Lunch and end of the conference

Profile of Lecturers



John Ashby is Syngenta Senior Fellow and has been with Syngenta Central Toxicology Laboratory, Cheshire/UK, for the past 30 years. For the past nine years he has concentrated on the study of endocrine disruption in mammals. John Ashby has published over 500 papers/articles/book chapters and is Editorial Board of six international journals.



Vladimir Bencko is Head of the Institute of Hygiene and Epidemiology at the First Faculty of Medicine at the Charles University of Prague/Czech Republic. His main fields of interest are health aspects of human exposure to persistent xenobiotics in environmental and occupational settings.



Elaine Z. Francis is National Program Director for the U.S. Environmental Protection Agency's endocrine disrupters research program, coordinating the multi-million dollar intramural and extramural research programs. She has been a developmental/reproductive toxicologist at EPA for almost 24 years.



Andreas Gies became Head of the department for chemicals assessment and gene technology at the Federal Environmental Agency, Berlin/Germany, in 2002. He is with the Federal Environmental Agency as senior scientist in the chemicals notification unit since 1988 and later as the Head of the section for environmental assessment. Andreas Gies has co-ordinated the work of the agency on endocrine disruption since 1996.



Werner Kloas became Head of department of inland fisheries at the Leibniz-Institute for Freshwater Ecology and Inland Fisheries, Berlin, in 1999. Since 2002 he has been full professor for endocrinology at the Institute of Biology, Humboldt University, Berlin/Germany.



Thomas Knacker has been Managing Director of the ECT Ökotoxikologie GmbH, Flörsheim/Germany, since 1993. 1984, he started as Manager of the Department of Ecotoxicology and Biodegradation at Battelle Institute, Frankfurt/Germany. Furthermore, Thomas Knacker has co-ordinated several research projects.



Andreas Kortenkamp became a senior lecturer in Toxicology at the School of Pharmacy, London/UK. Combination effects of mixtures of environmental pollutants with endocrine-disrupting properties is one area of his current research interests. Andreas Kortenkamp is member of the British Toxicology Society.

Canice Nolan is Head of the Sector on Plant Protection Products at DG Health and Consumer Protection, European Commission, Brussels/Belgium. He has been working in this area since 1998. Previously he worked for DG Research with responsibility for environment, health and chemical safety.



Claudia E. Olivieri works at BASF Corporation, Research Triangle Park, North Carolina/USA, as Global Issues Manager for BASF Agricultural Products. She has worked in industry for more than 7 years in ecotoxicology, regulatory affairs and issues management. In addition Claudia E. Olivieri has developed and taught workshops on ecotoxicology risk assessment for crop protection.

Samuel W. Page is currently a staff scientist in the International Programme on Chemical Safety at World Health Organization in Geneva/Switzerland. He is Co-ordinator for the Project to Update the Principles and Methods for the Risk Assessment of Chemicals in Food. Samuel Page has authored or co-authored more than one hundred research publications.



Ralf Schulz is Syngenta Fellow for Ecological Sciences based in Bracknell, Berkshire/UK. He held a postdoctoral fellowship with the Department of Zoology at the University of Stellenbosch/South Africa during 2001 and 2002.



Hans-Christian Stolzenberg is seconded from February to June 2004 to the OECD secretariat and in charge for the ecotoxicology work on endocrine disrupters. He is affiliated to the Federal Environmental Agency in Berlin/Germany since 1997. Since April 2000 his work has been focussed on technical and scientific support of national co-ordination of the OECD and on programmes for EU test guidelines. Hans-Christian Stolzenberg is member of the OECD Validation Management Group for Ecotoxicology Testing.

Pieter W. Wester is working for the Laboratory for Toxicology, Pathology and Genetics at the National Institute for Public Health and the Environment (RIVM), Bilthoven/The Netherlands. He has been Head of the department for pathology of the Laboratory for Pathology and Immunobiology since 1990.



Sabine Zok is working as ecotoxicologist in the Department Product Safety of BASF AG, Ludwigshafen/Germany. Her special fields of interest are the aquatic and avian toxicology and the development of test methods for endocrine effects.



Andreas Zumdick is Head of the Competence Center Agro and the GLP test facility at INSTITUT FRESENIUS AG in Taunusstein/Germany. He has worked for 12 years in the crop production industry managing regulatory studies on crop and soil residues, plant/soil metabolism and E-Fate studies.

Whom do you meet?

Sectors that should take part:

- **Agrochemical industry**
- **Producers of biocides**
- **Research Institutes**
- **Authorities (agricultural inspection offices, registration and control authorities)**
- **Contract laboratories**
- **Environmental Consultants**

Groups that should take part:

- **Managing directors, boards of directors, members of supervisory boards**
- **Managers and employees in the fields of:**
 - **Registration**
 - **Research & development**
 - **Ecotoxicology**
 - **Environmental fate & behaviour**
 - **Marketing & distribution**

The Organizers

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Covering a wide range of analytical and consulting services, Fresenius offers comprehensive specialised high-technology methods to provide analytical solutions in the field of the registration of agrochemicals. The service covers residue studies, product chemistry, environmental fate and monitoring studies as well as ecotox or modelling studies.

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Date and location

21 - 22 June 2004

Conference hotel: You will stay at the conference hotel Holiday Inn Cologne am Stadtwald (formerly Cologne Queens Hotel), which is surrounded by parkland. It is well located for access within minutes to the motorway junction Köln-West and Cologne city. The airport is just 18 kilometers away. In the conference hotel, a limited number of rooms is available for our participants at reduced rates. Please make your reservation directly with the hotel up to 4 weeks before the beginning of the conference using "Fresenius" as reference.



Holiday Inn Cologne am Stadtwald,
Dürener Straße 287,
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Phone: +49 (0) 221 4676 0,
Fax: +49 (0) 221 433765

Registration: Please send us your written registration by fax, email or mail. We will also be pleased to help you by phone:

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and

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email mstratmann@akademie-fresenius.de



Fee: The fee for both days of the conference is € 1,395.00 plus 16 % VAT. Representatives of universities, employees of authorities or of institutions for advanced education are eligible for a reduced fee of € 795.00 plus 16 % VAT. This includes detailed conference papers, business lunch buffet, coffee breaks, beverages during the conference as well as attendance at an evening event. Following successful registration you will receive written confirmation.

Group reduction: In case of joint registration the third participant and every following participant of the same company/organization will be offered a reduction of 15 %.

Cancellations/transfers: Written cancellations, as well as transfers, may be made up to 4 weeks before the date of the event. After this time, and up to one week before, 50 % of the fees will be retained in the event of cancellation and after this the entire amount. Substitutions may be made at anytime.

Die Akademie Fresenius GmbH

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Fax-Registration

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Yes, I am pleased to accept the invitation to attend the International Fresenius Conference on Endocrine Disrupters in 91/414/EEC (Event No. VK1771), 21 - 22 June 2004, Fee: € 1,395.00 plus 16 % VAT.

I am a representative of a university, an employee of an authority or an institution for advanced education and therefore eligible for a reduced fee of € 795.00 for the conference plus 16 % VAT.

I would like to accept the invitation to attend the event arranged for the evening of the first day (included in the above price).

Please inform me about further conferences by fax, email or mail (please delete if not applicable).

No, unfortunately I cannot attend the conference. As an alternative I would like to order the complete documentation at the price of € 250.00 plus 16 % VAT (the papers will be sent to me two weeks after the conference).

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