



International Symposium on Environmental Endocrine Disrupters 2001

Saturday, December 15 - Monday, December 17, 2001

プログラム

Program

Saturday, December 15, 2001 (Sessions Open to the Public)

13:00	<p>Welcome Address</p> <p>Yoriko Kawaguchi (Minister of the Environment) Masaru Hashimoto (Governor, Ibaraki Prefectural Government) Hiroshi Hase (Member of the House of Representatives) Shuichi Kato (Member of the House of Councilors)</p>
13:30	<p>Special Lecture</p> <p>POPs - Persistent Organic Pollutants Bo Jansson (Stockholm University, Sweden)</p>
14:15	<p align="center">Break</p>
14:30	<p>Part 1 Current Strategy in Japan</p> <p>Current Strategies against Environmental Endocrine Disrupters by the Ministry of the Environment, Government of Japan Kazuhiko Adachi (Ministry of the Environment, Government of Japan)</p> <p>Efforts and Strategies to Deal with the Issue of Endocrine Disruptors in Japan Results of a Nationwide Survey by the Ministry of the Environment Shinsuke Tanabe (Center for Marine Environmental Studies, Ehime University, Japan)</p> <p>Present Status of Human Fetal Exposure to Several Endocrine Disruptors in Japan Chisato Mori (Graduate School of Medicine, Chiba University, Japan)</p> <p>Testing System for Hazard Assessment of Endocrine Disruptors in Fish Hirofumi Yokota (Chemicals Evaluation and Research Institute (CERI), Japan)</p> <p>An Approach for Evaluating Low-dose Effects of Suspected Endocrine Disruptors Hiroaki Aoyama (Institute of Environmental Toxicology, Japan)</p> <p>Development of a Test Method for Risk Assessment of Endocrine Disrupting Chemicals Using DNA Microarray Technology Akihiro Kondo (Biotechnology Research Laboratory, Takara Shuzo Co., Ltd., Japan)</p> <p>UK-J Research Project for the Endocrine Disruptors in the Aquatic Environment Koji Arizono (Prefectural University of Kumamoto, Japan)</p> <p>Endocrine Disruptors Research in National Institute for Environmental Studies Masatoshi Morita (National Institute for Environmental Studies (NIES), Japan)</p>
16:00	<p align="center">Break</p>
16:15-18:15	<p>Part 2 Panel Discussion</p> <p>“Environmental Hormones in the 21st Century - Searching for Widely Applicable Approaches”</p> <p>Environment and Doping Ichiro Kono (University of Tsukuba, Japan)</p> <p>Environmental Hormones and Nonlinear Science Kazuyuki Aihara (Graduate School of Frontier Sciences, University of Tokyo, Japan)</p> <p>Biological Systems and Chemical Substances Takeshi Yoro (Kitasato University, Japan)</p>

Discussion

Moderator: Masashi Yatabe (Japan Broadcasting Corporation (NHK), Japan)
 Panelists: Kazuyuki Aihara (Graduate School of Frontier Sciences, University of Tokyo, Japan)
 Soichiro Iwao (Ministry of the Environment, Government of Japan)
 Ichiro Kono (University of Tsukuba, Japan)
 Chisato Mori (Graduate School of Medicine, Chiba University, Japan)
 Takeshi Yoro (Kitasato University, Japan)
 John Peterson Myers (W. Alton Jones Foundation, U.S.A.)

Sunday, December 16, 2001 (Expert Sessions)

9:30	<p>Session 1 Effects on the Brain and Behavioral Development Chairperson: Noriyuki Koibuchi (Gunma University School of Medicine, Japan)</p> <p>Brain Development and Behavior as a Toxic Target of Dioxin and Other Environmental Chemicals Bernard Weiss [Representation: Rieko Hojo] (University of Rochester School of Medicine and Dentistry, U.S.A.)</p> <p>Commentator: Chiharu Tohyama (National Institute for Environmental Studies (NIES), Japan)</p> <p>Thyroid Hormone, Brain Development, and the Environment R. Thomas Zoeller (University of Massachusetts, U.S.A.)</p> <p>Commentator: Noriyuki Koibuchi (Gunma University School of Medicine, Japan)</p> <p>Functional Development of Neuronal Networks in Culture — An <i>in vitro</i> Assay System of Developing Brain for Endocrine Disruptors Yoichiro Kuroda [Representation: Masahiro Kawahara] (Tokyo Metropolitan Institute for Neuroscience, Japan)</p> <p>Risk Analysis of Endocrine Disrupting Chemicals Using Higher Animals Yasuhiro Yoshikawa (Graduate School of Agricultural and Life Sciences, University of Tokyo, Japan)</p> <p>Evidence for the Role of Environmental Neurotoxicants in Learning and Behavioral Disabilities Deborah C. Rice (U.S. Environmental Protection Agency (EPA), U.S.A.)</p>
12:00	Lunch
13:30	<p>Session 2 Screening and Testing Methodology Chairperson: Herman B.W.M. Koëter (OECD)</p> <p>International Initiatives to Develop a Global Strategy on Endocrine Disruptors Testing and Assessment Herman B.W.M. Koëter (OECD)</p> <p>International Harmonization of a Screening and Testing Framework for Estrogenic Chemicals James W. Owens (Procter & Gamble, U.S.A.)</p> <p>Testing Strategies for Endocrine Disruption in the Aquatic Environment Daniel B. Pickford (AstraZeneca Global Safety Health and Environment, U.K.)</p> <p>Screening and Testing of Endocrine Disruptors in Avian Species Masaru Wada (Tokyo Medical and Dental University, Japan)</p> <p>Recent Research of Endocrine Disruptors Testing of Amphibians in Japan Minoru Uchiyama (Toyama University, Japan)</p>

15:35	Break
15:55	<p>Session 3 High Throughput Pre-Screening (HTPS) and Quantitative Structure-Activity Relationship (QSAR) Techniques</p> <p>Chairpersons: Jun Kanno (National Institute of Health Sciences, Japan) Robert J. Kavlock (U.S. Environmental Protection Agency (EPA), U.S.A.)</p> <p>HTPS and QSAR: Screening Methods and Cutting Edge Sciences in Endocrine Disruptor Issue Jun Kanno (National Institute of Health Sciences, Japan)</p> <p>Priority Setting of Endocrine Disruptors Using QSARs Weida Tong (FDA's National Center for Toxicological Research (NCTR), U.S.A.)</p> <p>3D-SAR Analysis of EDs Based on Target Receptor Structure Nobuo Tomioka, Akiko Itai (Institute of Medicinal Molecular Design, Inc., Japan)</p> <p>Efficacy of Highthroughput Pre-Screening Procedure Based on Reporter Gene Assay Masahiro Takeyoshi (Chemicals Evaluation and Research Institute (CERI), Japan)</p> <p>A New Approach to Functional Genomics Bruce Blumberg (University of California, U.S.A.)</p> <p>Combinatorial Phage Library Screening for Estrogen Receptor Interacting Peptides: A Tool for Studying Xenoestrogen Biology and Pharmacology Julianne M. Hall (National Institute of Environmental Health Sciences, U.S.A.)</p>
18:00	Break
19:30- 21:45	<p>Night Session Toxico-Genomics</p> <p>Chairpersons: Tohru Inoue (National Institute of Health Sciences, Japan) Bruce Blumberg (University of California, U.S.A.)</p> <p>Functional Genomics Towards Understanding of the Mechanisms of Life Yuji Kohara (National Institute of Genetics, Japan)</p> <p>Toxicogenomics and Its Potential for Assessment of Pollutant Impact in Fish Tim Williams (The University of Birmingham, U.K.)</p> <p>Progress in Medaka Genomics Kiyoshi Naruse (Graduate School of Science, University of Tokyo, Japan)</p> <p>Status of <i>Xenopus laevis</i> and <i>Xenopus tropicalis</i> microarrays Bruce Blumberg (University of California, U.S.A.)</p> <p>Toxicogenomic Assessment of Endocrine Disruptors Timothy Richard Zacharewski (Michigan State University, U.S.A.)</p> <p>Molecular Profiling of Genes Showing Altered Expression in the Livers of Rats Treated with Non-Genotoxic Carcinogens for 28 Days Makoto Shibutani (National Institute of Health Sciences, Japan)</p> <p>Fetal Transcript Profiles for Endocrine Disruptors George P. Daston (The Procter & Gamble Company, U.S.A.)</p>

Monday, December 17, 2001 (Expert Sessions)

9:30	<p>Session 4 Effects on Wildlife Chairperson: Taisen Iguchi (Okazaki National Research Institutes, Japan)</p> <p>Endocrine Disruption in Aquatic Invertebrates Michael H. Depledge (Plymouth Environmental Research Centre, University of Plymouth, U.K.)</p> <p>Endocrine Disruptor Susceptibility Genes: Molecular Analysis of Aryl Hydrocarbon Receptors and Dioxin Sensitivity in Wildlife Mark E. Hahn (Woods Hole Oceanographic Institution, U.S.A.)</p> <p>The Effects of Endocrine Disruptors on Fish Maturation and Reproduction -A Focus on Projects Underway at the Ministry of Agriculture, Forestry, and Fisheries- Kazunori Fujii (National Research Institute of Fisheries and Environment of Inland Sea, Fisheries Research Agency, Japan)</p> <p>Atrazine Produces Hermaphrodites in Frogs: Connecting Laboratory and Field Studies Tyrone B. Hayes (University of California, Berkeley, U.S.A.)</p> <p>Beyond Estrogens -Multiple Mechanisms of Endocrine Disruption Louis J. Guillette, Jr. (University of Florida, U.S.A.)</p>
12:00	Lunch
13:15	<p>Session 5 Effects on Health Chairpersons: Fumiki Hirahara (Yokohama City University School of Medicine, Japan) Paul A.L. Lancaster (University of New South Wales, Australia)</p> <p>Birth Defects Monitoring in Japan -Possible Effects of Environmental Endocrine Disruptors- Fumiki Hirahara (Yokohama City University School of Medicine, Japan)</p> <p>Cryptorchidism and Hypospadias in The Netherlands: Are Endocrine Disrupters Involved? Frank H. Pierik (Erasmus University Rotterdam, The Netherlands)</p> <p>Trends in Male Reproductive Health Paul A.L. Lancaster (University of New South Wales, Australia)</p> <p>1,1-Dichloro-2,2-Bis (P-Chlorophenyl) Ethylene and Polychlorinated Biphenyls and Breast Cancer: Combined Analysis of Five US Studies David J. Hunter (Harvard Medical School and School of Public Health, U.S.A.)</p>
15:15	Break
15:30	<p>Session 6 Reports on Overseas Activities Chairperson: Teiji Takei (Ministry of the Environment, Government of Japan)</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Keynote Presentation: The WHO/UNEP/ILO International Programme on Chemical Safety (IPCS) Global Assessment of the State-of-the-Science of Endocrine Disrupting Chemicals (EDCs) Robert J. Kavlock (U.S. Environmental Protection Agency (EPA), U.S.A.)</p> </div> <p>Progress in Implementing the Endocrine Disruptor Screening Program Gary E. Timm (U.S. Environmental Protection Agency (EPA), U.S.A.)</p> <p>Chemical Industry's Research Program on Hormonally Active Agents (HAAs) Judith A. Graham (American Chemistry Council, U.S.A.)</p> <p>Research on Endocrine Disruption in the UK Kathleen Cameron (DEFRA, U.K.)</p> <p>Endocrine Disruptors Research in Malaysia Mustafa Ali Mohd (University of Malaya, Malaysia)</p>
18:00	<p>Closing Address Soichiro Iwao (Ministry of the Environment, Government of Japan)</p>