International Symposium on Environmental Endocrine Disrupters 2000

Saturday, December 16 - Monday, December 18, 2000

プログラム

Program

Saturday, December 16, 2000 (Sessions Open to Public)

13:00

Welcome Address

Yoriko Kawaguchi (Minister of State, Director-General of the Environment Agency)
Hiroshi Okazaki (Governor, Kanagawa Prefectural Government)

13:30

Special Lecture

Endocrine Disruption Testing: Toward a Better Understanding of Inner Space
Theo COLBORN (Senior Scientist and Program Director, World Wildlife Fund)

14:30

Part 1 Current Strategy

How the Liberal Democratic Party Takes Measures for the Problem of Chemical Substances and Future Issues
Hiroshi HASE (Member of the House of Representatives, Japan)

How New Komeito Takes Measures for the Problem of Endocrine Disrupters (3)
Shuichi KATO (Member of the House of Councilors, Japan)

Current Strategy on Endocrine Disruptors in the U.S.A.
Gary E. TIMM (Environmental Protection Agency (EPA), U.S.A.)

European Community Strategy for Endocrine Disrupters
Birgit VAN TONGELEN (European Commission, E.U.)

Government Policies Related to Endocrine Disrupters in Korea
Geum-Su SEOG (Ministry of Environment, Republic of Korea)

Current Strategies against Environmental Endocrine Disrupters by Environment Agency, Government of Japan
Hirozo UEDA (Director, Environmental Health and Safety Division, Environmental Health Department, Environment Agency, Government of Japan)

16:00

Part 2 Panel Discussion
"What Have We Found about Environmental Endocrine Disrupters?"

General Comment
Noboru TAKASUGI (The Chair, Yokohama City Board of Education, Japan)

Contamination and Toxic Effects of Endocrine Disrupting Chemicals in Wildlife
Shinsuke TANABE (Center for Marine Environmental Studies (CMES), Ehime University, Japan)

Environmental Signals: A New Way to Understand Endocrine Disruption
John A. McLACHLAN (Tulane and Xavier Universities, U.S.A.)

Environmental Hormones and Reproductive Medicine
Osamu TSUTSUMI (University of Tokyo, Japan)

Industry Perspective: "To What Extent Have We Known About Endocrine Disruption Chemicals?"
Angelina Joy Serio DUGGAN (American Crop Protection Association, U.S.A.)

A Discussion on Risk of Endocrine Disruptors
Jun SEKIZAWA (National Institute of Health Sciences, Division of Chemo-Bio Informatics, Japan)

Discussion

Moderator: Noboru TAKASUGI (The Chair, Yokohama City Board of Education, Japan)

Panelists: Theo COLBORN (Senior Scientist and Program Director, World Wildlife Fund)
Shinsuke TANABE (Center for Marine Environmental Studies (CMES), Ehime University, Japan)
John A. McLACHLAN (Tulane and Xavier Universities, U.S.A.)
Osamu TSUTSUMI (University of Tokyo, Japan)
Angelina Joy Serio DUGGAN (American Crop Protection Association, U.S.A.)
Jun SEKIZAWA (National Institute of Health Sciences, Division of Chemo-Bio Informatics, Japan)

Sunday, December 17, 2000

9:30

Session 1 Effects on Wildlife

Chairpersons: Taisen IGUCHI (Center for Integrative Bioscience, Okazaki National Research Institutes, Japan)
Louis J. GUILLETTE Jr. (University of Florida, U.S.A.)

Endocrine Disrupting Contaminants: Lessons from Wildlife
Louis J. GUILLETTE Jr. (University of Florida, U.S.A.)

Endocrine Disruption in Mollusks: Case Studies on the Rock Shell, the Ivory Shell and the Giant Abalone, Linking with Organotin Contamination in Korea and Japan
Hyeon-Seo CHO (Yosu National University, Korea)

The Occurrence of Intersex in a Japanese Freshwater Crab
Koji ARIZONO (Prefectural University of Kumamoto, Japan)

Sexual Disruption of Wild Fish in U.K. Rivers.....What Does It All Mean?
Susan JOBLING (Brunel University, U.K.)

Detection of Thyroid Hormone Disrupting Effects Using Frogs and a Molecular Toolbox
Caren Christiane HELBING (University of Victoria, Canada)

Use of Chemistry and Biology to Assess Endocrine Disruptors in the Environment
John P. GIESY (Michigan State University, U.S.A.)

Review of Present Knowledge Concerning Endocrine Disrupters and Wildlife
Peter MATTHIESSEN (Centre for Environment, Fisheries and Aquaculture Science (CEFAS), U.K.)

12:00 — **Lunch**

13:30

Session 2 Potential Effects on Human Health

Chairperson: Yoshimasa SHISHIBA (Toranomon Hospital, Japan)

Epidemiologic Evidence for Endocirine Disruption: Studies in North Carolina, U.S.A. and Mexico
Walter J. ROGAN (National Institute of Environmental Health Sciences (NIEHS), U.S.A.)

Environmental Exposure to Polychlorinated Biphenyls (PCBs) and Dioxins. Consequences for Lactation Performances and Long Term Brain Development of the Child. A Review of the Longitudinal Dutch PCB/dioxin Study[1 2 3 4]
Ernst Rudolf BOERSMA (University Hospital Groningen, the Netherlands)

Thyroid Status, Frequency of Selected Autoantibodies and Biomarkers in the Population Exposed to PCB and Other Organochlorines
Pavel LANGER (Slovak Academy of Sciences, Slovakia)

Evidence of Endocrine Disruption in Yucheng People Exposed Polychlorinated Biphenyls and Dibenzodioxins
Yue-Liang Leon GUO (National Cheng Kung University Medical College, Taiwan)

Dioxin and Human Health: 20 Years of Data from "Seveso", Italy
Paolo MOCARELLI (University Milano-Bicocca, Italy)

16:00 — **Break**

Sunday December 17, 2000

16:30

Session 3 Testing Methodology

Chairpersons: Masatoshi MATSUO (Sumitomo Chemical Co., Ltd., Japan)
Thomas H. HUTCHINSON (AstraZeneca Global Safety, Health and Environment, Brixham Environmental Laboratory, U.K.)

Ecotoxicology Test Methods for Endocrine Disrupters and Ecological Risk Assessment
Thomas H. HUTCHINSON (AstraZeneca Global Safety, Health and Environment, Brixham Environmental Laboratory, U.K.)

A Comparison of the Reproduction and Full Life-Cycle Tests with Medaka for Hazard Evaluation of Endocrine Disruptors
Hirofumi YOKOTA (Chemicals Evaluation and Research Institute (CERI), Japan)

Screening of Estrogenic Chemicals Using Uterotrophic Assay
Jun KANNO (National Institute of Health Sciences, Japan)

Screening Strategies for Androgen Active Compounds
Paul Matthew David FOSTER (Chemical Industry Institute of Toxicology (CIIT), U.S.A.)

Tier 2 Testing for Endocrine Active Chemicals: Is the Current Multigeneration Study Design Adequate?
Paul Matthew David FOSTER (Chemical Industry Institute of Toxicology (CIIT), U.S.A.)

Monday, December 18, 2000

9:30

Session 4 Mechanisms of Action

Chairpersons: Yoshitaka NAGAHAMA (National Institute for Basic Biology, Japan)
Hajime NAWATA (Graduate School of Medical Sciences, Kyushu University, Japan)

Gonadal Sex Differentiation in Fish and the Effects of Environment Endocrine Disrupters
Masaru NAKAMURA (University of The Ryukyus, Tropical Biosphere Research Center, Japan)

Transcription Factors supporting Gonad Sex Differentiation
Ken-ichirou MOROHASHI (National Institute for Basic Biology, Japan)

The Effects of Endocrine Disruptors on Steroidogenesis and StAR Protein
Douglas Michael STOCCO (Texas Tech University Health Sciences Center, U.S.A.)

Transcription Factors and Cofactors with Endocrine Disruptors
Hajime NAWATA (Graduate School of Medical Sciences, Kyushu University, Japan)

Endocrine Disrupter Action and Toxicology: Studies in ER Knock-Out Mice
Kenneth S. KORACH (National Institute of Environmental Health Sciences (NIEHS), U.S.A.)

12:00 **Lunch**

Monday December 18, 2000

13:30

Session 5 Low Dose Issue in the ED-Reaction

Chairpersons: Tohru INOUE (Biological Safety Research Center, National Institute of Health Sciences, Japan)
Robert J. KAVLOCK (Environmental Protection Agency (EPA), U.S.A.)

On Low Dose Issues in the ED Reaction
Robert J. KAVLOCK (Environmental Protection Agency (EPA), U.S.A.)

Summary of the NTP/NIEHS Endocrine Disruptors Low-Dose Peer Review
Ronald L. MELNICK (National Institute of Environmental Health Sciences (NIEHS), U.S.A.)

Three-Generation Reproductive Toxicity Study of Bisphenol A (BPA) Administered in the Diet to CD® (Sprague-Dawley) Rats
Rochelle W. TYL (Center for Life Sciences and Toxicology, Research Triangle Institute, U.S.A.)

***In vivo* Effects of Nonylphenols on Reproductive Development in Pre-Adolescent Rats: Dose Response Considerations.**
Ping C. LEE (Medical College of Wisconsin, U.S.A.)

Commentators:
Chiharu TOHYAMA (National Institute for Environmental Studies, Japan)
James C. LAMB IV (BBL Sciences, U.S.A.)

Bisphenol A Alters Development in Mice at Human Exposure Levels
Frederick S. vom SAAL (University of Missouri-Columbia, U.S.A.)

Two-Generation Reproduction Study of Bisphenol A in Rats
Makoto EMA (National Institute of Health Sciences, Osaka Branch, Japan)

Commentators:
Jun KANNO (Biological Safety Research Center, National Institute of Health Sciences, Japan)
Osamu TSUTSUMI (University of Tokyo, Japan)
James P. KARIYA (Environmental Protection Agency, U.S.A.)

16:20

Session 6 Risk Management

Chairperson: Tsuguyoshi SUZUKI (President, Japan Society of Endocrine Disrupter Research, Japan)

Material Cycles Society and Controlling Persistent Chemicals
Shinichi SAKAI (Environment Preservation Center, Kyoto University, Japan)

UK Government Activities on Endocrine Disrupting Chemicals
Kathleen CAMERON (Department of the Environment, Transport and the Regions (DETR), U.K.)

Current US Practice in Assessing Risk of Endocrine Disruptors
Gary E. TIMM (Environmental Protection Agency (EPA), U.S.A.)

Strategic Programs on Environmental Endocrine Disrupters'98
Masatoshi KANAI (Director, Office of Environmental Risk Assessment, Environmental Health and Safety Division, Environmental Health Department, Environment Agency, Government of Japan)

18:00

Closing Address

Tetsushige Nishio (Director-General, Environmental Health Department, Environment Agency, Government of Japan)