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## 第8回 化学物質の内分泌かく乱作用に関する国際シンポジウム

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International Symposium on Endocrine Disruption 2005

**講演者一覧**

**List of Coordinators and Speakers**

2005年12月5日(月)～12月6日(火)

沖縄コンベンションセンター

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Monday, December 5 - Tuesday, December 6, 2005  
Okinawa Convention Center, Okinawa, Japan



## List of Coordinators and Speakers

### [Session 1]

#### Chiharu Tohyama (Coordinator)

*Professor, Division of Environmental Health Sciences, Center for Disease Biology and Integrative Medicine, Graduate School of Medicine, The University of Tokyo, Japan*

Dr. Tohyama obtained Ph.D (toxicology) from the University of Rochester in 1981, and was engaged as a researcher at the NIES since then. He served as the director of the Environmental Health Sciences Division since 1994, and was transferred to the present position in 2005. His research interests range from basic research to health risk assessment, focusing upon dioxins, environmental endocrine disruptors and heavy metals. He also serves at various expert committees of WHO, JECFA, the Ministry of the Environment and Food Safety Commission.

#### Seiichiro Yamamoto

*Head of Biometric Research Section, Statistics and Cancer Control Division, National Cancer Center, Japan*

Dr. Yamamoto obtained his B.S., M.S. and Ph.D in Health Sciences from University of Tokyo. He then took a staff position for epidemiology and biostatistics research in National Cancer Center. He was a visiting researcher of the National Cancer Institute in the United States during 2003-2004. His main research field is cancer epidemiology and clinical trial methodology. He is involved in the several large scale epidemiological studies in Japan including the Japan Public Health Center-based prospective Study. He is also a chief biostatistician of JCOG (Japan Clinical Oncology Group), which is a multicenter clinical trial cooperative groups conducting more than 70 trials at present. He is an editorial board member of the Japanese Journal of Clinical Oncology and a board member of the Japanese Society of Medical Oncology.

#### Brenda Eskenazi

*Professor, Maternal and Child Health and Epidemiology, University of California, Berkeley, U.S.A.*

Brenda Eskenazi, PhD is a neuropsychologist and epidemiologist whose research interests include the effects of toxicants including lead, solvents, environmental tobacco smoke, dioxin, and pesticides on human reproduction and child development. She directs an NIH/EPA Center for Children's Environmental Health Research (CHAMACOS) and the Seveso Women's Health Study. She is a fellow of the American College of Epidemiology, on the editorial boards of the American Journal of Epidemiology and Environmental Health Perspectives, and on the NAS Board of Children, Youth and Families.

#### David C. Bellinger

*Professor, Neurology / Environmental Health, Harvard Medical School / Harvard School of Public Health, U.S.A*

David Bellinger is an epidemiologist and psychologist whose research has focused on the central nervous system effects on children of environmental exposures to metals, including lead, mercury, manganese, and arsenic. He directs a post-doctoral Interdisciplinary Training Program in Neurodevelopmental Toxicology at the Harvard School of Public Health, where he is Professor in the Department of Environmental Health. He is also Professor of Neurology at Harvard Medical School. He has served on numerous committees of the World Health Organization, the U.S. National Academies, and the U.S. Environmental Protection Agency.

### [Session 2]

#### Iwao Uchiyama (Coordinator)

*Professor, Department of Urban and Environmental Engineering, Graduate School of Engineering, Kyoto University, Japan*

Professor Uchiyama acquired the doctor of medical science after graduating from the University of Tokyo medical department in 1975. He was employed to the National Institute of Public Health in 1982, and was engaged in the research of health effects of air pollution or hazardous chemical substances. Then, he also studies the risk assessment of carcinogenic chemicals, and risk communication about health risk of chemicals. He has taken a present position since 2001. He was given the Japan Society for Atmospheric Environment Award in 2002, and the Japan Society of Risk Analysis Award in 2004.

#### Peter M. Wiedemann

*Director, Program Group MUT, Research Centre Juelich, Germany*

Peter Wiedemann, Ph.D., is the Director of the Program Group MUT (Humans, Environment and Technology) at the Federal Research Center Juelich, Germany. He is an internationally recognized expert in the field of risk communication and served as a member of the WHO task force on risk communication (1992-1994), and as the speaker the Scientific Expert Group of the National Action Program "Environment and Health" (1998-2000). Wiedemann was head of the working group "Risk Communication" of the German Association of Engineers (VDI) and contributed to the "OECD Issue Team on Risk Communication" in 2000. He was in 2002-2003 president of the Society for Risk Analysis Europe. He is an elected member of the group "Non-ionizing radiation" of the National Radiation Protection Commission in Germany. Also He is member of the editorial board of "Risk Research" and "Risk, Decision and Policy". Dr. Wiedemann's research focuses on bridging the gap between risk perception research and risk communication on the one side and risk analysis and management on the other side. He is currently performing research in comparative risk assessment, uncertainty analysis, and evidence assessment to provide a basis of sound science for the application of the precautionary principle. His studies are, at the moment, mainly directed to the fields of mobile communications, and biomedicine. Furthermore, Dr. Wiedemann is conducting applied research in issues and crisis management.

## Shigeyuki Koide

Senior Editor, *The Yomiuri Shimbun*; Visiting Lecturer  
Ochanomizu University

Mr. Koide was born in Tokyo, Japan in 1951. He graduated from the Faculty of Science, Hokkaido University.

After joining the Yomiuri Shimbun in 1976, he served as a reporter in the city news, lifestyle news and science news departments and since June 2005 has become Senior Editor. He reported on the global environment, health care, medicine, atomic energy and basic science issues. In 1995 when the sodium leakage accident occurred on the fast breeder reactor "MONJU", he reported on the process how a false information disclosure could let the trust in science and technology be lost at once. And in 1998 when there was the turmoil on endocrine disrupter causing widespread social jitter and repulse towards chemical substances, he reported on why such misfit occurred between "the truth in science" and "the truth in media reports". He teaches such themes as science and risk-communication issues at the Life World Watch Center at Ochanomizu University.

His leading works are "The Document - MONJU Accident", "Environmental Hormone - What has been known", "Japanese Scientists at the Forefront", "Ten Japanese Nobel Prize Winners" and "Living with Planet Earth - Green Sustainable Chemistry", "Dreams Will Come ? Bill Gates Story".

## Toshiko Kikkawa

Associate Professor, Faculty of Business and Commerce, Keio University, Japan

1999 Received Ph.D. from Kyoto University in Psychology  
1998 Associate Professor at Keio University, Tokyo, Japan  
1995 Assistant Professor at University of Tsukuba, Tsukuba, Japan  
1989 Assistant Professor at Kyoto Gakuen University, Kyoto, Japan  
1988 Graduated from Kyoto University, Faculty of Letters  
Specialized Fields: Risk communication, Simulation games  
Crossroad: Kobe -A training tool for risk communication. (in Japanese) (co-authored) Nakanishiya Shuppan (2005)  
Risk communication between mineral property developers and local communities. (co-authored) Mining Journal Books, Ltd.: London (2003)  
Dealing with risks. (in Japanese) Yuhikaku (2000)  
Major publications: Risk communication. (in Japanese) Fukumura Shuppan (1999)

## [Session 3]

### Takayuki Hanazato (Coordinator/Speaker)

Professor, Director, Research and Education Center for Inland Water Environment, Shinshu University, Japan

Dr. Hanazato graduated from Faculty of Science, Chiba University (Chiba, Japan), in 1980. Researcher in National Institute for Environmental Studies (Tsukuba, Japan), 1980-1995. Professor in Faculty of Science, Shinshu University (Suwa, Japan), 1995-2001. Professor in Research and Education Center for Inland Water Environment, Shinshu University, 2001-present.

Award: The 5th Biwako Prize for Ecology

Books: Cladocera: its ecology and lake environmental problems, Nagoya University Press, 1998.

## Charles R. Tyler

Professor, Environmental and Molecular Fish Biology, The Hatherly Laboratories, University of Exeter, U.K.

I have been researching into endocrine disruption and the reproductive physiology of fish for almost 20 years. The research in my team spans studies assessing the impacts of endocrine disrupting (and other) chemicals on fish populations, developing test systems for chemicals in fish, and understanding the mechanistic basis of endocrine disruption, principally using molecular techniques. We have published over 90 full papers in this field of research. I am Director of Research for Biosciences and head Environmental Biology and Ecotoxicology at the University of Exeter. I am the UK supervisor (2005-2010) for the UK-Japan partnership researching into endocrine disruption.

## Shigeki Yasuma

Councilor, The Hiraoka Environmental Science Laboratory, Japan

Education:

1979 University of Tokyo: Doctorate in Agriculture/Wildlife Ecology

1970 Waseda University: Bachelor of Science

1967 Waseda University: B. A. in Law

Work Experience:

1986-2005 Long-term and short-term project expert, JICA

1983-1990 Part-time Lecturer, Kokushikan University.

1983-1985 Chief Researcher, World Wildlife Fund (WWF) Japan Committee.

- Tropical Rain Forest Research Development Project, Indonesia

- Brunei Forestry Project After Care Project, Negara Brunei Darussalam

- Bornean Biodiversity & Ecosystems Conservation Program, Sabah, Malaysia

Awards:

Ichikawa citizen culture UNESCO prize (2004)

Major publications:

Mt. Kinabalu. 152p. Toukai Univ. Press, Tokyo, 2004. (In Japanese)

Borneo Animal Watching Guide. 231pp. Bunichi Sougou Shuppan, Tokyo, 2002. (In Japanese)

Ryukyu Archipelago: Biodiversity. 195pp. Toukai Univ. Press, Tokyo, 2001. (In Japanese)

Mammals of Sabah. 181pp. JICA & Sabah Wildlife Department, 1999.

The Natural History of Iriomote Island. 292pp. Shoubunsha, Tokyo, 1990. (In Japanese)

Nansei-shoto and its Conservation. (Co-authored) WWF-Japan, 1984. (In Japanese)

The Wild Iriomote Cat. 228pp. Choubunsha, Tokyo, 1976. (In Japanese)

## [Session 4]

### Hajime Watanabe (Coordinator/Speaker)

Associate Professor, Center for Integrative Bioscience, National Institutes of Natural Sciences, Japan

B.A. and Ph.D. from the University of Tokyo in 1985 and 1990, respectively. He majored in biophysics, biochemistry and molecular biology. 1991, Research scientist of The Japan Society for the Promotion of Science (JSPS). 1992-1999, Assistant professor, Department of Bioscience and Biotechnology, Tokyo Institute of Technology. 1993-1994, Visiting scientist of Pasteur Institute. 1995-1996 Sub-director, College de France. He is engaged with the present position since 2000.

## Sean W. Kennedy

*Research Scientist, Environment Canada, National Wildlife Research Centre, Canada*

Dr. Sean Kennedy is a graduate (Ph.D., chemistry) of Carleton University. He is a research scientist at the National Wildlife Research Centre of Environment Canada and an adjunct professor in the Department of Biology and the Centre for Advanced Research in Environmental Genomics (CAREG) at the University of Ottawa. His expertise is in the development and application of novel biochemical and molecular biological methods to determine the effects of environmental contaminants on wildlife, with a particular expertise on the effects of contaminants on birds. Dr. Kennedy is also actively involved with international agencies such as the OECD and WHO in efforts to develop internationally-coordinated programs in ecotoxicogenomics.

## Masaaki Tokuda

*Professor, Faculty of Medicine, Department of Cell Physiology, Kagawa University, Japan*

2002 - present Vice-president, Kagawa University Rare Sugar Research Centre, Kagawa University  
 1999 - present Professor, Department of Cell Physiology, Faculty of Medicine, Kagawa University  
 1995 - 1999 Associate Professor, Department of Physiology, Faculty of Medicine, Kagawa Medical University  
 1987 - 1995 Assistant Professor, Department of Physiology, Faculty of Medicine, Kagawa Medical University  
 1984 - 1987 Postdoctoral fellow, Department of Medical Biochemistry, Faculty of Medicine, University of Calgary (Canada)  
 1983 - 1984 Assistant Professor, Department of Physiology, Faculty of Medicine, Kagawa Medical University  
 1979 - 1983 Graduate School, Okayama University, Faculty of Medicine  
 1972 - 1978 Undergraduate School, Okayama University, Faculty of Medicine

## [Session 5]

### Taisen Iguchi (Coordinator)

*Professor, Okazaki Institute for Integrative Bioscience, National Institutes for Basic Biology (NIBB), National Institutes of Natural Sciences (NINS), Japan*

MSc at Okayama University and Ph.D. at University of Tokyo. Joined Yokohama City University as an assistant professor in 1979 and promoted to a professor in 1992. Postdoctoral (1981-1983) and a visiting professor at University at Berkeley. In 2000, Professor at NIBB and NINS. Studying developmental effects of estrogen and estrogenic chemicals using various animal species, and persistent changes in mouse reproductive tracts induced by perinatal estrogen exposure. Identifying estrogen responsive genes in mice. Establishing microarray systems of *Daphnia magna* and American alligator. Cloning steroid receptors from various animal species.

## Patric S. Amcoff

*Administrator, Test Guidelines Programme, EHS/ENV, Organisation for Economic Cooperation and Development (OECD)*

MSc in Ecotoxicology, Uppsala University, Sweden; PhD in Toxicology/Pathology, Swedish University of Agricultural Sciences (SLU); Post-doc, Canada National Water Research Institute, Burlington, Canada; Researcher at SLU in Reproductive Toxicology. Currently work at the Test Guidelines Programme at OECD with Human Health related issues (400-series), animal welfare topics and on screens and in vitro tests for Endocrine Disruption testing.

## Anne Gourmelon

*Administrator, Environment, Health and Safety Division, Organisation for Economic Cooperation and Development (OECD)*

Anne Gourmelon graduated from the Institut Supérieur Agricole de Beauvais (France) and obtained a Master in Environmental Sciences from the Wageningen Agricultural University (Netherlands). She has been working at the UN Food and Agriculture Organisation for a few years, before joining the Organisation for Economic Cooperation and Development (OECD) in 2002. She works in the Test Guidelines Programme, in the ecotoxicity area, and also on the development and validation of test methods for endocrine active substances in environmental species.

## Thomas H. Hutchinson

*Principal Scientist, AstraZeneca R&D, Sweden*

Dr. Hutchinson is a biologist with 19 years laboratory and field experience in the environmental risk assessment of pharmaceuticals, chemical products and process effluents. He has a BSc in Environmental Sciences from King's College London, a PhD in Marine Biology from the University of Plymouth and is an elected Fellow of the Institute of Biology (UK). Tom has extensive experience in environmental risk assessment, including ecotoxicology, endocrine disruption and immunotoxicology; he has also published extensively on these subjects. Tom is an active member within several international groups (ECETOC, ECVAM and PhRMA) and he is Co-Chairman of the OECD Validation Management Group for Ecotoxicology (Endocrine Disrupter) test methods.

## [Session 6]

### Hiroaki Shiraishi (Coordinator)

*Director, Research Center for Environmental Risk, Natural Institute for Environmental Studies, Japan*

MSc in Chemistry, University of Tokyo; joined National Institute for Environmental Studies (NIES) from 1978 to present, has been studies on environmental chemistry, including chemical analysis, bioassay, exposure assessment, risk of chemicals in the environment. PhD from University of Tokyo in 1985 on environmental analytical chemistry, Postdoctoral (1987) at Indiana University. While studying on fate and transportations of chemicals in the environment from field/laboratory observation and modeling research, recently, worked closely with regulation authority to establish science based risk assessment methodology for chemicals at Research Center for Environmental Risk in NIES.

## Karen Whitby

*Chief, Registration Action Branch 1 Health Effects Division / Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA), U.S.A.*

Dr. Karen Whitby is a Branch Chief in the Health Effects Division (HED) of the Office of Pesticide Programs (OPP) in the US Environmental Protection Agency. Dr. Whitby manages a branch that performs human health risk assessments for dietary and non-dietary pesticide exposures. Dr. Whitby has been with the pesticide program for over fifteen years. For thirteen of those years she has managed staff in the performance of human health risk assessments for new chemicals, new uses of existing chemicals, and reregistration (a regulatory program that evaluates existing chemicals in light of current safety standards). Dr. Whitby has also worked closely with risk managers and performed assessments for chemicals that pose high risks of concern to identify options for reducing exposure and risk.

## Michael J. Roberts

*Senior Scientific Officer, Chemicals and GM Policy Division,  
Department for Environment, Food and Rural Affairs (Defra), U.K.*

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An ecologist by background, I managed the former Department of Environment's marine research programme for several years, providing scientific and technical input to the development of UK marine policy. Currently working for the Chemicals and GM Policy Division of the Department for Environment, Food and Rural Affairs (Defra), I am responsible for provision of advice on endocrine disruption and metals, within the framework of wider UK chemicals policy development. An important part of this work is the supervision of appropriate programmes of research, especially initiatives such as the current UK-Japan collaboration on research into endocrine disruption in aquatic environments.

## Satoru Morishita

*Director, Chemicals Evaluation Office, Ministry of the  
Environment, Japan*

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- 2005 Director, Chemicals Evaluation Office, Ministry of Environment
- 2004 Head, Task Force for the 3R Initiative, MoE
- 2003 Deputy Director, Policy and Coordination Division (Global Environment), MoE
- 2001 Deputy Director, Environmental Health and Safety Division, MoE
- 1997 Administrator, Environmental Health and Safety Division, Organization for Economic Co-operation and Development (OECD)
- 1996 Assistant Director, Environmental Activities Promotion Office, Environment Agency (EA)
- 1992 Assistant Director, Office of Marine Pollution Control and Waste Management, EA
- 1986 Joined Environment Agency (now MoE)

## Kimihiro Iwamoto

*Senior Advisor, Environment and Safety Division, Mitsui  
Chemicals Inc., Japan*

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1966 Graduated the master course of The Graduated School of Tokyo University. 1966 Joined Mitsui Petrochemical Industries Ltd. And Engaged in manufacturing technique management, environment and safety management and quality control. 1993 General manager of Environment, Safety and Quality Management Division of Mitsui Petrochemical Industries. 1997 General manager of Quality management Division. 1998 General manager of Environment and Safety management Division and 1999 Senior advisor on environment and safety. Engaged in the various industry activities such as the member of the environment and safety committee of JCIA, the chairman of the endocrine issue working group of JCIA, the chairman of BPA safety committee of Japanese Manufacturers.