

# 5th International Symposium on Environmental Endocrine Disrupters 2002

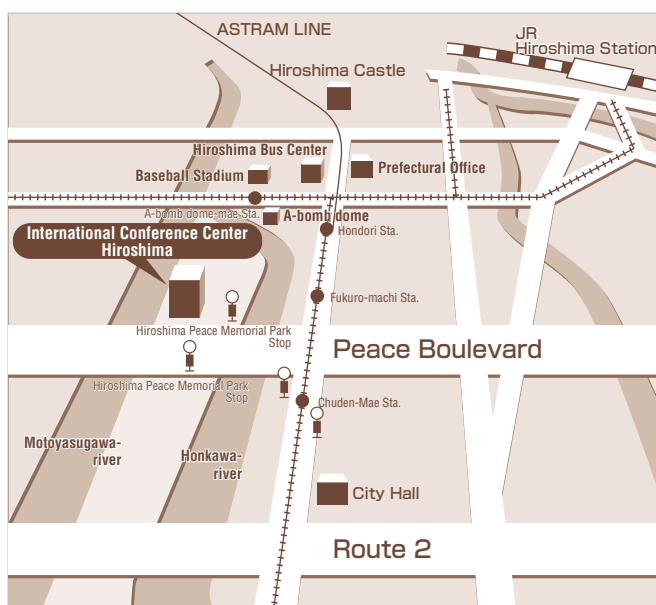
▶ November 26th (Tue.) - 28th (Thu.), 2002 ▶ International Conference Center Hiroshima

■ Organized by: Ministry of the Environment, Government of Japan

■ Supported by: Hiroshima Prefecture, City of Hiroshima

■ Cooperated by: Japan Society of Endocrine Disrupter Research

## AREA MAP



[Date] November 26th (Tue.) - 28th (Thu.), 2002

### International Conference Center Hiroshima

1-5 Nakajima-cho, Naka-ku, 730-0811

Hiroshima Japan

Tel: +81-(0)82-242-7777

Fax: +81-(0)82-242-8010



### [Access]

- From the south exit of JR Hiroshima Station (About 20 min.)  
Bus bound for Yoshijima Eigyo-sho or Yoshijima Hospital  
→Hiroshima Peace Memorial Park Stop→International Conference Center Hiroshima  
Streetcar bound for Ujina①→Fukuro-machi Sta.→(about 5 min. on foot)→International Conference Center Hiroshima  
Streetcar bound for Koi②, Eba⑥ or Miyajima→Atomic Bomb Dome-mae Sta.→(about 5 min. on foot)  
→International Conference Center Hiroshima
- From Hiroshima Airport (About 65 min.)  
(Limousine Bus)→Hiroshima Bus Center→(about 5 min. on foot)→International Conference Center Hiroshima
- From New Tokyo International Airport (Narita) to JR Hiroshima Station (About 5 hours)  
(JR Limited Express Train "Narita Express")→JR Tokyo Station→(Shinkansen "Nozomi")→JR Hiroshima Station
- From Kansai International Airport to JR Hiroshima Station (About 2 hours)  
(JR Limited Express Train "Haruka")→JR Shin-Osaka Station→(Shinkansen "Nozomi" for Hakata)→JR Hiroshima Station

## Contact Office/Registration

### Secretariat for International Symposium on Environmental Endocrine Disrupters 2002 c/o Congress Corporation

Kosai Kaikan Bldg. 6F, 5-1 Kojimachi, Chiyoda-ku, 102-8481 Tokyo, Japan

Tel: +81-(0)3-3263-5394 Fax: +81-(0)3-5216-3115

E-mail: eed02@congre.co.jp

## Contact Office/Program

### Environmental Health and Safety Division, Environmental Health Department, Ministry of the Environment, Government of Japan

1-2-2 Kasumigaseki, Chiyoda-ku, Tokyo 100-8975, Japan

Tel: +81-(0)3-3581-3351(Ext.: 6354) Fax: +81-(0)3-3580-3596

E-mail: ehs@env.go.jp

## Contact Office/Poster Session

### Secretariat for the Japan Society of Endocrine Disrupter Research

24-1-202 Inarimae, Tsukuba City, Ibaraki 305-0061, Japan

Tel: +81-(0)298-59-0818 Fax: +81-(0)298-59-0851

E-mail: jsedr@mb.infoweb.ne.jp

## Program

## International Conference Center Hiroshima

November 26 (Tue.) Program Open to the Public	Afternoon	I Opening Remarks • Greeting from the Organizer • Greeting from Guests II Special Lecture III Initiatives Abroad and in Japan IV Panel Discussion
	Evening	(Reception)
November 27 (Wed.) Program for Experts	Morning	Session 1: Effect on Immune System
	Afternoon	Session 2: Frogs Session 3: Thyroid Hormone Discussion: Frogs / Thyroid Hormone
		Evening
November 28 (Thu.) Program for Experts	Morning	Session 4: Exposure Assessment / Risk Assessment
	Afternoon	Session 5: Children's Health Discussion: Children's Health / Risk Assessment • Closing Remarks

\*Note that the Poster Session sponsored by the Japan Society of Endocrine Disrupter Research will be held simultaneously to the Symposium (November 25 (Mon.) - 28 (Thu.)).

## Speakers

Speakers

Richard A. Becker	American Chemistry Council, USA	Yoshitaka Nagahama	Okazaki National Research
Bengt-Erik Bengtsson	EU, Sweden		Institutes, Japan
Hugo O. Besedovsky	Philipps University Marburg, Germany	Keiko Nohara	National Institute for
Sheue-yann Cheng	National Cancer Institute, USA		Environmental Studies, Japan
Barbara Demeneix	Museum National d'Histoire Naturelle, France	James G. Pfaus	Concordia University, Canada
Robert J. Denver	University of Michigan, USA	Claudia Ronancio-Pena	European Commission, Belgium
Elizabeth Guillet	University of Florida, USA	Frederik S. Vom Saal	University of Missouri-Columbia, USA
Fumiki Hirahara	Yokohama City University, Japan	Kou Sakabe	The Kitasato Institute, Japan
Taisen Iguchi	Okazaki National Research Institutes, Japan	Yasuo Sakuma	Nippon Medical School, Japan
Hidekuni Inadera	University of Tokyo, Japan	Jacques Samarut	Ecole Normale Supérieure de Lyon, France
Kimihiro Iwamoto	Mitsui Chemicals, Inc., Japan	Margret Schlumpf	University of Zurich, Switzerland
Teruaki Iwamoto	St. Marianna University, School of Medicine, Japan	Hisao Seo	Nagoya University, Japan
Niels Jorgensen	Copenhagen University Hospital, Denmark	William S. Stokes	ICCVAM, USA
James P. Kariya	EPA, USA	Shinsuke Tanabe	Ehime University, Japan
Herman B. W. M. Koeter	OECD	Stuart A. Tobet	UMASS Medical School, USA
Goro Koide	Japan Broadcasting Corporation (NHK) and Ohtsuma Women's University, Japan	Jorma Toppari	University of Turku, Finland
Andreas Kortenkamp	University of London, UK	Ming-Jer Tsai	Baylor College of Medicine, USA
Henk Van Loveren	National Institute of Public Health and the Environment, The Netherlands	Osamu Tsutsumi	University of Tokyo, Japan
John A. McLachlan	Tulane University, USA	Yoshio Yaoita	Hiroshima University, Japan
Tim Meredith	WHO	Katsutoshi Yoshizato	Hiroshima University, Japan
Chisato Mori	Chiba University, Japan	Yun-Bo Shi	National Institutes of Health, USA
Masatoshi Morita	National Institute for Environmental Studies, Japan		
John Myers	Alton Jones Foundation, USA		

\*including speakers under negotiation

## [[ Summaries of the Program Open to the Public

Special Lecture	The lecture will be given by Osamu Tsutsumi M.D., Professor of Department of Obstetrics and Gynecology, Faculty of Medicine, University of Tokyo, who has investigated the possible effects of chemicals on child health and is noted as a pioneer of reproductive medicine in Japan.
Initiatives Abroad and in Japan	This part provides introductions to the current measures and trends concerning the problem of endocrine disrupters conducted abroad and in Japan.
Panel Discussion	An opportunity to fully understand the problems of endocrine disrupters through an exchange of opinions and a discussion on what should be done about environmental risk communication concerning endocrine disrupters, with a focus on environmental education for children, by panelists from various backgrounds. (e.g. research institutes, NGOs, educational institutions, industry and government)

## [[ Summaries of the Program for Experts

Session 1 Effect on Immune System	Among the chemicals which are suspected of disrupting the endocrine system, many of them are also reported to adversely affect the immune system. The objective of this session is to present and discuss the effects of these chemicals on the immune system and their underlying mechanisms.
Session 2 Frogs	Frogs have attracted people ranging from investigators to the public for their close habitation to us and are useful as model animals in a variety of studies in life science including developmental biology, ecology, and physiology. Recent studies have demonstrated that some of the chemicals suspected to be endocrine disrupters influence the process of metamorphosis via thyroid hormone. The session provides the current status of studies on the mechanism of action of
Session 3 Thyroid Hormone	Thyroid hormone plays an important role in the growth and metabolism of vertebrates including mammals. It has been reported that the chemicals, which are suspected of disrupting the endocrine system, interfere with the secretion and action of thyroid hormone. This session provides current scientific findings on the mechanism of these chemicals in relation to thyroid hormone action.
Discussion Frogs / Thyroid Hormone	This discussion provides an opportunity for investigators of frogs and mammals to exchange and share their opinions and learning with the thyroid hormone as its common theme.
Night Session Sexual Differentiation	Sex difference in several brain structures is established independently of genetic sex during a limited period of ontogeny under the effects of sex hormones and culminates in sex-specific regulation of reproductive endocrinology and emotional behavior. In this session, recent results will be discussed in an attempt to understand the action of chemicals that disrupt the process of the brain sex differentiation.
Session 4 Exposure Assessment / Risk Assessment	This discussion covers recent topics concerning a risk assessment or an exposure assessment such as the integrated effects of multiple chemicals.
Session 5 Children's Health	Offers recent scientific findings about the influences of environmental chemicals on the health of children or fetuses, which are generally more susceptible to such influences than adults. This session also deals with current epidemiological studies on male reproductive health.
Discussion Children's Health / Risk Assessment	Much attention is currently focused on the health effects on children by multiple chemicals. In this session, specialists will discuss risk assessment based on children and fetuses.
Poster Session	The Japan Society of Endocrine Disrupter Research will be holding a series of poster session from November 25. Those wishing to participate in the poster session should contact the Secretariat for the Japan Society of Endocrine Disrupter Research. Tel: +81-(0)298-59-0818 Fax: +81-(0)298-59-0851

# Greetings



Endocrine disrupters (EDs) have become the focus of great concern among the general public over their adverse effects on human beings and wildlife, but there is still much to be explored scientifically making EDs a key environmental safety issue. Therefore, the Ministry of the Environment, Japan, is conducting environmental monitoring and hazard assessment, and is also engaged in the exchange of information with other countries and international organizations under a framework of international coordination.

As a part of these activities, the Ministry has held International Symposia on Environmental Endocrine Disrupters since 1998. The past symposia brought together leading scientists from all over the world. Their productive discussions were highly appreciated on an international level.

There are three major aims of the Symposium:

- to share information concerning initiatives taken by various countries of the world for dealing with ED-related issues;
- to discuss the direction of future research on endocrine disrupters through international cooperation; and
- to provide an opportunity for an exchange of opinions on chemicals that various stakeholders (e.g. general public, NGOs, technical experts, industry and government) may have.

This year's symposium takes a look at the effect of endocrine disrupters on children, and we have scheduled sessions and a special lecture by Dr. Tsutsumi, who serves as a Professor of Department of Obstetrics and Gynecology, the University of Tokyo.

As we are scheduled to publish our data at the end of this year in accordance with the Pollutant Release and Transfer Register (the Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management), we are also scheduled to hold a panel discussion of "environmental risk communication."

I earnestly hope that it will be a valuable conference for scientists, administrators, industry representatives and the general public around the world. I would like to extend my welcome to all interested parties and individuals.

August, 2002

**Hiroshi Ohki**

*Minister of the Environment*

## Notes on the Symposium Program

The symposium is comprised of two parts; the program open to the public and the program for experts. The former program on the first day contains a special lecture, initiatives abroad and in Japan, and a panel discussion, to encourage participation by the general public.

The latter, containing various sessions and discussions relevant to endocrine disrupters, is planned to involve scientific discussion by experts and promote a deeper understanding of the problem.

Persons who want to participate in the Symposium are kindly requested to register their names and organizations to the Secretariat for the Symposium (c/o Congress Corporation) by November 10. Registration is free of charge and accepted on first come first served basis. The secretariat for the Symposium will send back a registration card from November onward.

### Contact Office / Registration

Secretariat for the International Symposium on Environmental Endocrine Disrupters 2002  
c/o Congress Corporation  
Kosai Kaikan Bldg., 6F, 5-1 Kojimachi, Chiyoda-ku, Tokyo 102-8481, Japan  
Tel: +81-(0)3-3263-5394 Fax: +81-(0)3-5216-3115

### Registration for Domestic Participants

Please send a reply-paid postcard to the Secretariat for the Symposium, with name, organization, address, telephone number, facsimile number, e-mail address, and dates you wish to participate.

### Registration for Overseas Participants

Please send either a fax or an e-mail to the Secretariat, with the information listed above.  
The Secretariat for the Symposium will help participants to make reservations for hotel rooms in Hiroshima upon requests.

### Languages

English and Japanese (Simultaneous interpretation will be provided)