

**INTERNATIONAL SYMPOSIUM ON
ENVIRONMENTAL CHEMISTRY AND TOXICOLOGY
– TO ACCELERATE A GLOBAL NETWORK OF
ENVIRONMENTAL RESEARCHERS**

**March 19, 2016
Matsuyama, Japan**



Photo by K. Nomiya

WELCOME ADDRESS

Dear Alumni, Graduates, and Colleagues,

Welcome back to Ehime University and Matsuyama.

On behalf of the Organizing Committee and all of those who were involved in organizing this International Symposium on Environmental Chemistry and Toxicology – to Accelerate a Global Network of Environmental Researchers, I am honored to welcome you to this truly significant event. This international symposium is jointly held by the Center for Marine Environmental Studies (CMES), Ehime University, and our new project on Center of Excellence for Cooperative and Collaborative Studies - Leading Academia in Marine and Environmental Research (LaMer), will begin on this upcoming April with the support of the Ministry of Education, Culture, Sports, Science and Technology, Japan (MEXT). Thus this symposium can also be regarded as the launching event of this new project.

The aims of this symposium are to serve as an interdisciplinary scientific forum to present the most recent advances in environmental chemistry and toxicology, to promote international communication and collaboration in environmental science research, and to commemorate the retirement of Professor Shinsuke Tanabe, CMES, Ehime University for his long-term, consecutive and great contributions to this scientific field. It is our hope that the integration of a variety of environmental topics of chemical contaminants, including analytical chemistry, environmental dynamics, toxicokinetics, toxicodynamics, omics, computational modeling, and hazard and risk assessment, will provide novel insights into the complex environmental challenges and effective and systematic solutions for the improvement of environmental health.

I wish you a memorable day at Ehime University.

Hisato Iwata, Ph.D.

Convener

Professor, CMES, Ehime University

Organizing Committee

Program Committee

Hisato Iwata (Ehime University)

Tatsuya Kunisue (Ehime University)

Kei Nomiya (Ehime University)

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- Center of Excellence for Cooperative and Collaborative Studies-Leading Academia in Marine and Environmental Research (LaMer), Ehime University

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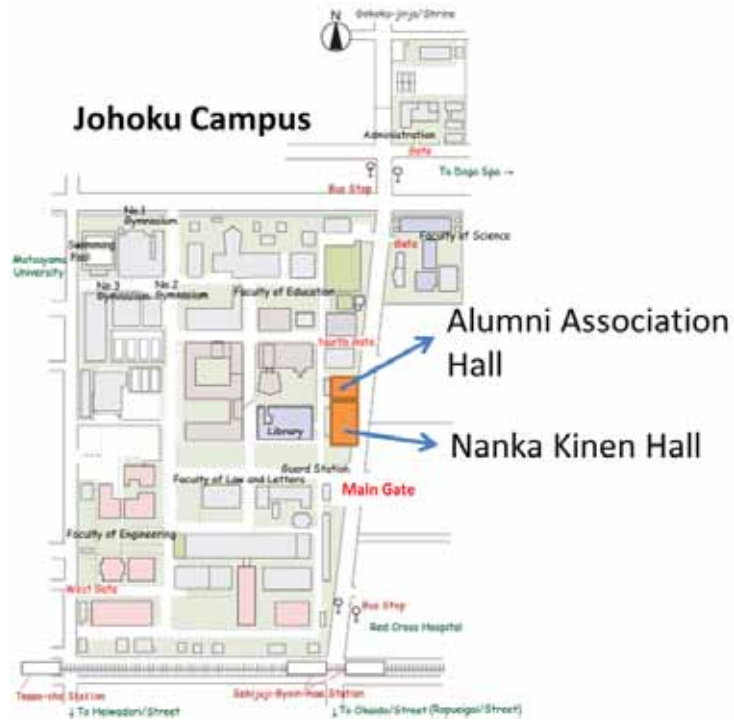
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Access

Johoku Campus, Ehime University



To Dogo Onsen Funaya



by foot : about 20 min, by taxi : 5 min

Program

Date: March 19 (Sat), 2016

Venue: Nanka Kinen Hall (for Oral Session) and Alumni Association Hall (for Poster Session), Johoku Campus, Ehime University, and Dogo Onsen Funaya (for Banquet)

Time Table

09:00	Symposium Registration at Nanka Kinen Hall
9:30-10:30	Poster Session 1 (Ice breaking and free discussion)
10:30-10:40	Opening Ceremony (Chaired by Hisato Iwata) Opening Remarks: Yu-ichi Ohhashi (President, Ehime University) Hisato Iwata (CMES, Ehime University)
10:40-11:40	Oral Session 1 (Chaired by Tatsuya Kunisue)
11:40-13:20	Lunch Break & Poster Session 2 (Duty time for odd number)
13:20-14:20	Oral Session 2 (Chaired by Tatsuya Kunisue)
14:20-15:30	Poster Session 3 (Duty time for even number)
15:30-16:50	Plenary Lecture (Chaired by Hisato Iwata) Shinsuke Tanabe (CMES, Ehime University)
18:00-19:00	Banquet Registration at Dogo Onsen Funaya
19:00-21:00	Banquet

Oral Session 1

O-1 (10:40 - 11:00)

FOOD POLLUTION, HUMAN EXPOSURES, AND ECOSYSTEM HEALTH: THE LEGACY OF PROF. TANABE CONTINUES

Kurunthachalam Kannan

O-2 (11:00 - 11:20)

TEMPORAL TRENDS OF PAHS AND HEAVY METAL POLLUTION IN THE COASTAL WATERS OF CENTRAL PHILIPPINES: AFTERMATH OF TYPHOON *YOLANDA*

Maricar Prudente, Socorro Aguja, Izumi Watanabe, Takashi Tokumaru, Yuta Nakamura, Manami Yoshida, Haruhiko Nakata

O-3 (11:20 - 11:40)

PERSISTENT ORGANIC POLLUTANTS (POPs) IN ATMOSPHERE OF BATAM ISLAND, INDONESIA

Agus Sudaryanto, Muhammad Ilyas, Adi S. Riadi, Tomohiko Isobe, Tatsuya Kuniseue, Shinsuke Tanabe

Oral Session 2

O-4 (13:20 - 13:40)

A DECADE OF ORGANOTIN RESEARCH - PAST, PRESENT AND FUTURE

Ana C.A. Sousa, Carlos M. Barroso, Shin Takahashi, Tatsuya Kunisue, Shinsuke Tanabe

O-5 (13:40 - 14:00)

ARE DIOXINS NO LONGER OF CONCERN?

Tatsuya Kunisue

O-6 (14:00 - 14:20)

PAST, PRESENT, AND FUTURE PERSPECTIVES OF ENVIRONMENTAL TOXICOLOGY AT EHIME UNIVERSITY: ADVENT OF AN ERA OF THE AUTHENTIC ANIMAL STUDY

Hisato Iwata

Poster Session

- P-1 MY HISTORY OF SAMPLING AND INVESTIGATIONS OF CONTAMINATION BY TRACE ELEMENTS AND THEIR EFFECTS IN ASIAN DEVELOPING COUNTRIES
Tetsuro Agusa
- P-2 NUTRITIONAL EVALUATION OF SELENONEINE, A NEW SELENOCOMPOUND FOUND IN MARINE ORGANISMS
Yasumi Anan, Yasumitsu Ogra
- P-3 ASSESSMENT OF EFFECTS OF DIOXINS IN THE BAIKAL SEAL (*PUSA SIBIRICA*) BY PROTEOME AND TRANSCRIPTOME ANALYSES
Maria Claret Lauan, Jean Yoo, Tetsuro Agusa, Masashi Hirano, Kim Eun-Young, Hisato Iwata
- P-4 ORGANOHALOGEN COMPOUNDS IN BALEEN AND TOOTHED WHALES STRANDED IN COASTAL WATERS OF HOKKAIDO, JAPAN
Kana Egashira, Tomohiko Isobe, Mari Ochiai, Takashi Matsuishi, Ayaka Matsuda, Tadasu K. Yamada, Yuko Tajima, Shinsuke Tanabe, Tatsuya Kunisue
- P-5 EFFECTS OF DECABROMODIPHENYL ETHER (BDE-209) ON SERUM METABOLITES IN EARLY POSTNATAL MICE
Akifumi Eguchi, Hidenobu Miyaso, Chisato Mori
- P-6 PRO INFLAMMATORY RESPONSES AND OXIDATIVE STRESS INDUCED BY ZnO NANOPARTICLES *IN VIVO* FOLLOWING INTRAVENOUS INJECTION
Junko Fujihara, Miki Tongu, Hideki Hashimoto, Yasuhisa Fujita, Naoki Nishimoto, Toshihiro Yasuda, Haruo Takeshita
- P-7 APPLICATION OF FOOD WEB ANALYSIS TO ENVIRONMENTAL ASSESSMENT IN BRACKISH RESERVOIR ARTIFICIALLY MADE BY DYKE CONSTRUCTION
Soon-Mi Go, Sho Nakano, Jong-Mo Seo, Min-Ho Jang, Kwang-Hyeon Chang

- P-8 COMPREHENSIVE SCREENING OF NATURALLY-DERIVED DIOXIN RELATED COMPOUNDS IN MUSSELS FROM SETO INLAND SEA, JAPAN
Akitoshi Goto, Nguyen Minh Tue, Masayuki Someya, Tomohiko Isobe, Shin Takahashi, Tastuya Kunisue, Shinsuke Tanabe
- P-9 MICROMINIPIGS: A NEW EXPERIMENTAL ANIMAL FOR TOXICOLOGY
Keerthi S. Guruge, Miyako Yoshioka, Noriko Yamanaka, Hiroaki Kawaguchi
- P-10 CHARACTERISTICS OF ACCUMULATION PATTERNS OF PCB CONGENERS IN THE BLOOD OF YUSHO PATIENTS
Shusaku Hirakawa, Takashi Miyawaki, Tsuguhide Hori, Jumboku Kajiwara, Susumu Katsuki, Masutaka Furue
- P-11 EFFECTS OF A NATURALLY OCCURRING DIOXIN, 1,3,7-TRIBROMODIBENZO-*P*-DIOXIN ON THE MYSID TRANSCRIPTOME
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- P-12 LIVER TRANSCRIPTOME ANALYSIS TO ASSESS THE EFFECTS OF PRENATAL EXPOSURE TO BISPHENOL A OF RAT OFFSPRING
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- P-13 HALOGENATED FLAME RETARDANTS AND POLYCHLORINATED BIPHENYLS IN WILD AVIAN SPECIES FROM JAPAN
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- P-14 ECOLOGICAL FACTORS DRIVE NATURAL SELECTION PRESSURE AFFECTING AVIAN DIOXIN RECEPTOR GENOTYPES
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- P-15 TRANSCRIPTOME ANALYSIS TO IDENTIFY ADVERSE OUTCOME PATHWAYS MEDIATED BY THE ARYL HYDROCARBON RECEPTOR IN TCDD-TREATED RED SEABREAM EMBRYOS
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- P-18 EFFECT OF PRENATAL EXPOSURE OF BPA ON THE TRANSCRIPTOME IN CHICKEN EMBRYOS
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- P-21 FACTORS CONTROLLING MERCURY CONCENTRATION IN MUSCLE OF SKIPJACK TUNA IN WESTERN NORTH PACIFIC OCEAN
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- P-25 DEVELOPMENT OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF HALOACETAMIDES IN WATER BY SPE-LC/MS AND THEIR DETECTION IN TAP WATER FROM JAPAN
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