



8TH INTERNATIONAL ISSX MEETING



SENDAI, JAPAN | OCTOBER 9-12, 2007

REGISTRATION BROCHURE



International Society for the Study of Xenobiotics



8TH INTERNATIONAL ISSX MEETING

SENDAI, JAPAN | OCTOBER 9-12, 2007

WHAT IS ISSX?

The International Society for the Study of Xenobiotics (ISSX) serves as a central society providing cutting-edge meetings and opportunities to partner to all researchers interested in the metabolism and disposition of Xenobiotics.

WHY ATTEND?

If you work in the fields of toxicology, pharmacy, and molecular biology or research Xenobiotics, you can't afford to miss the 8th International ISSX meeting:

- Learn the latest information in this dynamic and specialized field through ISSX's short course offerings.
- Expand your knowledge of Xenobiotics by learning from the top experts at the symposia.
- Meet the rising stars in the field through posters and predoctoral and postdoctoral awards.
- Gain recognition by presenting an abstract or poster to colleagues.
- Network with other researchers and exhibitors.
- Attend the Tuesday evening Welcome Reception and Thursday evening Banquet/Excursion to the coast where you will enjoy the scenic Matsushima Bay and its many islands.
- Enjoy Sendai—a beautiful, historic and culturally rich city—in northeastern Japan!



INVITATION TO ATTEND

Dear Colleagues,

On behalf of the Meeting Organizing Committee, it is my pleasure to invite you to the premier international Xenobiotics meeting: the 8th International Society for the Study of Xenobiotics (ISSX) Meeting in Sendai, Japan, October 9-12, 2007.

The safety and efficacy evaluation for present and future medicines in the post-genomic era is the theme of this year's meeting, which requires a fundamental understanding of pharmacogenomics, pharmacodynamics, xenobiotic/endobiotic disposition, metabolism, and toxicity in the context of human health.

Enjoy exhibits and poster presentations in a relaxed and friendly atmosphere. An exciting social program will allow you to learn and explore the culture of Northeast Japan.

I look forward to seeing you in Sendai.

Yours sincerely,

YASUSHI YAMAZOE
Tohoku University, Sendai, Japan
Chairman of the Meeting Organizing Committee



8TH INTERNATIONAL ISSX MEETING



SENDAI, JAPAN | OCTOBER 9-12, 2007

COMMITTEES

MEETING ORGANIZING COMMITTEE

Yasushi Yamazoe (*Chair*)
Frank S. Abbott
Kan Chiba
Nancy Holahan
Jin-Ding Huang
Toshihiko Ikeda
Ken-ichi Inui
Kazuhide Iwasaki
Eric F. Johnson
Kiyoshi Nagata
Shigeru Ohta
Chang-Koo Shim
Hiroshi Suzuki
Ikumi Tamai
Tetsuya Terasaki
Steven A. Wrighton
Tsuyoshi Yokoi

ABSTRACT REVIEW COMMITTEE

Kazuhide Iwasaki (*Co-Chair*)
Eric Johnson
Katalin Monostory
Sumio Ohtsuki
Shogo Ozawa
Russell Prough
Phil Smith
Yorihisa Tanaka
Tetsuya Terasaki (*Co-Chair*)

POSTER AWARDS COMMITTEE

Frank Abbott
Ron Aoyama
Stelvio Bandiera
Tom Cook
Charles Crespi
Chantal Guillemette
Jin-ding Huang
Ichiro Ieiri (*Co-Chair*)
Magnus Ingelman-Sundberg
Ken-ichi Inui
Margaret James
Malle Juruma-Romet
Peter Mackenzie
Patrick Murphy
Sumio Ohtsuki
James Paxton
Slobodan Rendic
Wayne Riggs
Greg Slatter
Dennis Smith
Phil Smith
Ikumi Tamai
Rachel Tyndale
Tsuyoshi Yokoi (*Co-Chair*)

MOC LOCAL SUBCOMMITTEE

Takaaki Abe
Takahiko Baba
Masaaki Miyata
Kiyoshi Nagata
Emi Nakashima
Sumio Ohtsuki
Shogo Ozawa
Yorihisa Tanaka
Takemi Yoshida
Kouichi Yoshinari

SCIENTIFIC ADVISORY BOARD

Tetsuya Kamataki
Ryuichi Kato
John O. Miners
Russell A. Prough
Yuichi Sugiyama

TABLE OF CONTENTS

Invitation to Attend	inside front cover
Meeting Committees	1
Program At A Glance	2
Important Dates	2
Scientific Program	5
Meeting Registration Information	10
Short Course Information	11
Exhibitor Registration.....	12
Abstracts and Posters.....	13
General Information	14
Things To Do In Sendai	14
Travel Information.....	15
Accommodations.....	16
Meeting Registration form	17
Exhibitor Registration form	18
ISSX Membership Application.....	19
Important Notices	21

PROGRAM AT A GLANCE

TUESDAY, OCTOBER 9, 2007

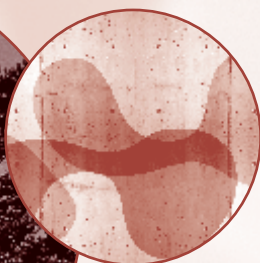
	SHORT COURSE 1	SHORT COURSE 2	SHORT COURSE 3
9:00 - 12:00	<p>P450-dependent Metabolism in Extrahepatic Tissues: Implications for Drug Disposition and Toxicology</p> <p><i>Co-Chairs: Kazuhide Iwasaki, Pfizer Global R&D, Aichi, Japan Laurence Kaminsky, New York State Dept of Health, Albany, NY, USA</i></p>	<p>Novel Technologies for Transport Study in Drug Discovery and Development</p> <p><i>Co-Chairs: Tetsuya Terasaki, Tohoku University, Sendai, Japan David E. Smith, University of Michigan, Ann Arbor, MI, USA</i></p>	<p>Drug Toxicity and Safety Predicted by Toxicogenomics</p> <p><i>Co-Chairs: Shogo Ozawa, National Institute of Health Science, Tokyo, Japan F. Peter Guengerich, Vanderbilt University, Nashville, TN, USA</i></p>
12:00 - 14:00	LUNCH FOR SHORT COURSE ATTENDEES		
	SHORT COURSE 4	SHORT COURSE 5	SHORT COURSE 6
14:00 - 17:00	<p>Prediction of Pharmacokinetics and Drug-drug Interactions in Humans: Quantitative In Vitro-In Vivo Extrapolation</p> <p><i>Co-Chairs: Ikumi Tamai, Tokyo University of Science, Tokyo, Japan Geoff Tucker, University of Sheffield, Sheffield, UK</i></p>	<p>Metabolism-Based Neurotoxicity by Xenobiotics: Mechanisms & Biomarkers</p> <p><i>Co-Chairs: Shigero Ohta, Hiroshima University, Hiroshima, Japan Ramesh C. Gupta, Murray State University, Hopkinsville, KY, USA</i></p>	<p>Application of Genomic Data on Clinical Events</p> <p><i>Co-Chairs: Ken-ichi Inui, Kyoto University Hospital, Kyoto, Japan Allan E. Rettie, University of Washington, Seattle, WA, USA</i></p>
18:00 - 20:00	WELCOME RECEPTION		

IMPORTANT DATES

- May 31, 2007Deadline for Reduced Pre-registration for Meeting and Short Courses
- June 1, 2007Abstract Submission Deadline
- June 1, 2007Nomination Deadline for Two ISSX Awards
- June 22, 2007Deadline for Travel Grant Applications
- June 20, 2007Notification of Abstract Acceptance E-mailed
- July 16, 2007Notification of Travel Grant Acceptance E-mailed
- June 25, 2007Notification to Finalists of Poster Awards Competition
- June 29, 2007Deadline for Mailed Receipt of Exhibitor Cancellation (*in writing*)
- September 7, 2007Deadline for Hotel Registrations (*subject to availability*)
- September 12, 2007Deadline for Banquet/Excursion Ticket Purchase
- September 21, 2007Deadline for Receipt of Meeting and Short Course Cancellation (*in writing*)
- September 26, 2007Deadline for Pre-registration for Meeting and Short Courses
(*on-site fees are higher*)

WEDNESDAY, OCTOBER 10, 2007

8:00 - 9:00		INFOMERCIAL SESSION		
9:00 - 9:20		WELCOME ADDRESS - OPENING		
9:20 - 10:30		PLENARY LECTURE 1		
		PPAR α : Biomarkers for Activation and Mechanism of Peroxisome Proliferator-induced Hepatocarcinogenesis <i>Frank J. Gonzalez, National Cancer Institute, Bethesda, MD, USA</i>		
10:30 - 11:30		ISSX AWARDS AND AWARD LECTURE		
11:30 - 13:00		LUNCHEON SEMINAR POSTER VIEWING - AUTHORS PRESENT WITH POSTERS		
13:00 - 15:30	SYMPOSIUM 1	SYMPOSIUM 2	SYMPOSIUM 3	
	P450 Monooxygenases as Drug Targets <i>Co-Chairs: Kan Chiba, Chiba University, Chiba, Japan Russell Prough, University of Louisville, Louisville, KY, USA</i>	Rational Use of In Silico Technology in Drug Discovery and Development <i>Co-Chairs: Shinji Yamashita, Setsunan University, Osaka, Japan Alan Wilson, Lexicon Genetics, The Woodlands, TX, USA</i>	In Vitro Toxicity Testing: How Effective Is This in Predicting In Vivo Toxicity? <i>Co-Chairs: Abdul Mutlib, Pfizer, Ann Arbor, MI, USA Urs A. Boelsterli, National University of Singapore, Singapore and University of Connecticut, Storrs, CT, USA</i>	
15:30 - 16:00		COFFEE BREAK POSTER VIEWING		
16:00 - 18:30	SYMPOSIUM 4	SYMPOSIUM 5	SYMPOSIUM 6	
	New Aspects of Hydrolyses and Conjugation Reactions <i>Co-Chairs: Hideyuki Yamada, Kyushu University, Fukuoka, Japan John Miners, Flinders University, Adelaide, Australia</i>	Understanding the Plastic (flexible) Nature of the CYP Active Sites <i>Co-Chairs: Eric F. Johnson, The Scripps Research Institute, La Jolla, CA, USA Nicolas P.E. Vermeulen, Vrije Universiteit, Amsterdam, The Netherlands</i>	Lipid Homeostasis and Metabolic Regulation <i>Co-Chairs: Jin Ding Huang, National Cheng University Medical College, Tainan, Taiwan Jeff Staudinger, University of Kansas, Lawrence, KS, USA</i>	
18:30 - 19:00		POSTER VIEWING		



PROGRAM AT A GLANCE



THURSDAY, OCTOBER 11, 2007

9:00 - 11:30	SYMPOSIUM 7	SYMPOSIUM 8	
	<p>Current Issues on Reactive or Unique Metabolites</p> <p><i>Co-Chairs: Tsuyoshi Yokoi, Kanazawa University, Kanazawa, Japan</i> <i>Robert A. Roth, Michigan State University, East Lansing, MI, USA</i></p>	<p>Interplay of Metabolism and Transport in Drug Disposition</p> <p><i>Co-Chairs: Hiroshi Suzuki, Tokyo University, Tokyo, Japan</i> <i>Dietrich Keppler, Deutsches Krebsforschungszentrum, Heidelberg, Germany</i></p>	
11:30 - 13:00 LUNCHEON SEMINAR POSTER VIEWING - AUTHORS PRESENT WITH POSTERS			
13:00 - 14:00	PLENARY LECTURE 2		
	<p>Mitochondrial Toxicity – From Basic Mechanisms to Idiosyncratic Drug-induced Liver Injury</p> <p><i>Urs A. Boelsterli, National University of Singapore, Singapore and University of Connecticut, Storrs, CT, USA</i></p>		
14:00 - 14:30	POSTER VIEWING		
14:30 - 17:30	EXCURSION / MATSUSHIMA		
18:00 - 21:00	BANQUET		

FRIDAY, OCTOBER 12, 2007

9:00 - 11:30	SYMPOSIUM 9	SYMPOSIUM 10	
	<p>Nuclear Transfactor Interplay</p> <p><i>Co-Chairs: Kiyoshi Nagata, Tohoku Pharmaceutical University, Sendai, Japan</i> <i>Frank J. Gonzalez, NIH/NCI, Bethesda, MD, USA</i></p>	<p>New Technology and Bioinformatics in Evaluating and Preventing Drug Toxicity</p> <p><i>Co-Chairs: Toshihiko Ikeda, Sankyo Co. Ltd., Tokyo, Japan</i> <i>Garold S. Yost, University of Utah, Salt Lake City, UT, USA</i></p>	
11:30 - 13:00 LUNCHEON SEMINAR POSTER VIEWING - AUTHORS PRESENT WITH POSTERS			
13:00 - 15:30	SYMPOSIUM 11	SYMPOSIUM 12	
	<p>What Determines a Significant Metabolite? (Organized by the Committee on Regulatory Affairs)</p> <p><i>Co-Chairs: Takahiko Baba, Shionogi & Co Ltd, Osaka, Japan</i> <i>Steven Wrighton, Eli Lilly & Co., Indianapolis, IN, USA</i></p>	<p>Role of Pharmacokinetic Modeling and Simulation in Drug Development</p> <p><i>Co-Chairs: Yuichi Sugiyama, University of Tokyo, Tokyo, Japan</i> <i>Stephen D. Hall, Indiana University Dept. of Medicine, Indianapolis, IN, USA</i></p>	
15:30 - 16:00 COFFEE BREAK POSTER VIEWING			
16:00 - 17:00 POSTER AWARDS			
17:00 CLOSING Announcing ISSX Meetings 2008-2010			

SCIENTIFIC PROGRAM



Tuesday, October 9, 2007

9:00 - 12:00

SHORT COURSE 1

P450-dependent Metabolism in Extrahepatic Tissues: Implications for Drug Disposition and Toxicology

*Co-Chairs: Kazuhide Iwasaki, Pfizer Global R&D, Aichi, Japan
Laurence Kaminsky, New York State Dept of Health, Albany, NY, USA*

P450-dependent Metabolism of Endogenous and Exogenous Compounds in the Brain

Rachel Tyndale, University of Toronto, Toronto, Canada

Role of P450 in Presystemic Disposition of Drugs in the Intestine

Kenneth Thummel, University of Washington, Seattle, WA, USA

P450-dependent Metabolism of Drugs in the Kidney

Jorge Capdevila, Vanderbilt University, Nashville, TN, USA

P450-dependent Disposition of Drugs from the Skin.

Hollie Swanson, University of Kentucky, Lexington, KY, USA

SHORT COURSE 2

Novel Technologies for Transport Study in Drug Discovery and Development

*Co-Chairs: Tetsuya Terasaki, Tohoku University, Sendai, Japan
David E. Smith, University of Michigan, Ann Arbor, MI, USA*

Overview: Significance and Challenges of Current Drug Transport Research

Tetsuya Terasaki, Tohoku University, Sendai, Japan

How Can LC-MS/MS Rationally Solve the Problems of Drug Transport? Application to Quantitative Proteomics of Transporter and Cocktail Transport Studies

Tetsuya Terasaki, Tohoku University, Sendai, Japan

International Standardization of the Methods for In-vitro Functional Analysis of Drug Transporters

Toshihisa Ishikawa, Tokyo Institute of Technology, Tokyo, Japan

Utilization of Membrane Vesicle Preparations to Study Drug-ABC-Transporter Interactions

Hristos Glavinias, SOLVO, Budaors, Hungary

How Can Knockout Animals Be Used to Elucidate the Significance of Transport Proteins on Drug Kinetics and Dynamics?

David E. Smith, University of Michigan, Ann Arbor, MI, USA

Perspective: Conclusions, Insight and Future Directions

David E. Smith, University of Michigan, Ann Arbor, MI, USA

SHORT COURSE 3

Drug Toxicity and Safety Predicted by Toxicogenomics

*Co-Chairs: Shogo Ozawa, National Institute of Health Science, Tokyo, Japan
F. Peter Guengerich, Vanderbilt University, Nashville, TN, USA*

Perclome Toxicogenomics Project for Predictive Toxicology

Jun Kanno, National Institute of Health Sciences, Tokyo, Japan

New Approach for Toxicologically Responsible Biomarkers

Ikuro Horii, Pfizer Inc., Aichi, Japan or Hiroshi Yamada, Pfizer Inc., Aichi, Japan

Applying Mechanisms of Chemical Toxicity to Predict Drug Safety

F. Peter Guengerich, Vanderbilt University, Nashville, TN, USA

Application of Toxicogenomics in Drug Safety Assessment

James Stevens, Lilly Research Laboratories, Greenfield, MI, USA

12:00 - 14:00

LUNCH FOR SHORT COURSE ATTENDEES

14:00 - 17:00

SHORT COURSE 4

Prediction of Pharmacokinetics and Drug-drug Interactions in Humans: Quantitative In Vitro-In Vivo Extrapolation

*Co-Chairs: Ikumi Tamai, Tokyo University of Science, Tokyo, Japan
Geoff Tucker, University of Sheffield, Sheffield, UK*

In Vitro-In Vivo Extrapolation (IVIVE) of Clearance and Drug Interactions: From Known Knowns to Known Unknowns

Geoff Tucker, University of Sheffield, Sheffield, UK

IVIVE: An Industrial Viewpoint

Rob Riley, AstraZeneca, Leicestershire, UK

IVIVE Versus Allometric Scaling

Thierry Lave, Roche, Basel, Switzerland

Prediction of Oral Drug Absorption in Human - From Cultured Cell Lines and from Experimental Animals

Shinji Yamashita, Setsunan University, Osaka, Japan

SHORT COURSE 5

Metabolism-Based Neurotoxicity by Xenobiotics: Mechanisms & Biomarkers

*Co-Chairs: Shigero Ohta, Hiroshima University, Hiroshima, Japan
Ramesh C. Gupta, Murray State University, Hopkinsville, KY, USA*

Modulation of CYP1A1 and 1B1 Metabolizing Enzymes by Xenobiotics

Yhun Yhong Sheen, Ewha Womans University, Seoul, Korea

Toxicologic Implications of Carboxylesterases—Novel Biomarker of Organophosphate Exposure

Tetsuo Satoh, Chiba University, Chiba, Japan

Metabolomic Mechanisms and Biomarkers of Neuronal Damage

Ramesh C. Gupta, Murray State University, Hopkinsville, KY, USA

Disposition Process of Parkinsonism-causing Neurotoxins

Shigeru Ohta, Hiroshima University, Hiroshima, Japan

SHORT COURSE 6

Application of Genomic Data on Clinical Events

*Co-Chairs: Ken-ichi Inui, Kyoto University Hospital, Kyoto, Japan
Allan E. Rettie, University of Washington, Seattle, WA, USA*

Pharmacogenomics of Oral Anticoagulants

Allan E. Rettie, University of Washington, Seattle, WA, USA

Pharmacogenomics of Cancer Therapy

Federico Innocenti, University of Chicago, Chicago, IL, USA

Drug Transporter Pharmacogenomics and Personalized Medicine

Richard B. Kim, University of Western Ontario, London, ON, Canada

Personalized Tacrolimus Therapy in Patients after Liver Transplantation

Ken-ichi Inui, Kyoto University Hospital, Kyoto, Japan

18:00 - 20:00

WELCOME RECEPTION

Wednesday, October 10, 2007

8:00 - 9:00

INFOMERCIAL SESSION

9:00 - 9:20

WELCOME ADDRESS - OPENING

9:20 - 10:30

PLENARY LECTURE 1

PPAR α : Biomarkers for Activation and Mechanism of Peroxisome Proliferator-induced Hepatocarcinogenesis

Frank J. Gonzalez, National Cancer Institute, Bethesda, MD, USA

10:30 - 11:30

ISSX AWARDS AND AWARD LECTURE

11:30 - 13:00

LUNCHEON SEMINAR

POSTER VIEWING - AUTHORS PRESENT WITH POSTERS

13:00 - 15:30

SYMPOSIUM 1

P450 Monooxygenases as Drug Targets

*Co-Chairs: Kan Chiba, Chiba University, Chiba, Japan
Russell Prough, University of Louisville, Louisville, KY, USA*

Aromatase Mechanism of Action in Cancer and Metabolic Disease

Evan Simpson, Prince Henry's Institute of Medical Research, Melbourne, Australia

Pharmacological Manipulation of P450s: Regulation of Smoking Addiction

Rachael Tyndale, University of Toronto, Toronto, Canada

Azole Resistance in Microorganisms

Yuzo Yoshida, Mukogawa Women's University, Hyogo, Japan

P450 System in Mycobacterium Tuberculosis: Structure, Function and Drug Targeting

Andrew Munro, University of Manchester, Manchester, UK

SYMPOSIUM 2

Rational Use of In Silico Technology in Drug Discovery and Development

*Co-Chairs: Shinji Yamashita, Setsunan University, Osaka, Japan
Alan Wilson, Lexicon Genetics, The Woodlands, TX, USA*

The Strategic Role of Predictive ADME and Toxicity Modeling in Drug Discovery and Development

Alan Wilson, Lexicon Genetics, The Woodlands, TX, USA

Knowledge Acquisition and Data Mining in the CYP-chemical Interaction Studies

Fumiyoshi Yamashita, Kyoto University, Kyoto, Japan

Prediction of Drug ADME Based on PBPK Modeling

Walt Woltoz, Simulations Plus, Inc., Lancaster, CA, USA

Applying Predictive Data Mining Strategies to Toxicity Assessment

Chihae Yang, Lead Scope, Inc., Columbus, OH, USA

SYMPOSIUM 3

In Vitro Toxicity Testing: How Effective Is This in Predicting In Vivo Toxicity?

*Co-chairs: Abdul Mutlib, Pfizer, Ann Arbor, MI, USA
Urs A. Boelsterli, National University of Singapore, Singapore and
University of Connecticut, Storrs, CT, USA*

Shifting Attrition in Drug Discovery Using Gene Expression Analysis

Jeff Waring, Abbott Laboratories Centers, Abbott Park, IL, USA

In Vitro Method for Predicting Clinical Hepatotoxicities

Seva Kostrubsky, Pfizer, Ann Arbor, MI, USA

In Vitro Human-based Experimental Systems for Drug Toxicity Evaluation

Albert Li, In Vitro Technologies, Inc, Rockville, MD, USA

Tailor-made In Vitro Toxicity Testing in Pharmaceutical Industry: Cases and Strategies

Armin Wolf, Novartis Pharma AG, Basel, Switzerland

15:30 - 16:00

COFFEE BREAK | POSTER VIEWING

16:00 - 18:30

SYMPOSIUM 4

New Aspects of Hydrolyses and Conjugation Reactions

*Co-Chairs: Hideyuki Yamada, Kyushu University, Fukuoka, Japan
John Miners, Flinders University, Adelaide, Australia*

Tissue-specific Regulation of Human Microsomal Epoxide Hydrolase by Alternative Gene Promoters

Curtis J. Omiecinski, Pennsylvania State University, University Park, PA, USA

Cytosolic Sulfotransferases for Endogenous Substrates

Kouichi Yoshinari, Tohoku University, Sendai, Japan

Unraveling the Kinetic Anomalies of UDP-glucuronosyltransferases

John Miners, Flinders University, Adelaide, Australia

Arylamine N-acetyltransferases: From Structure to Function

Edith Sim, University of Oxford, Oxford, UK

SYMPOSIUM 5

Understanding the Plastic (flexible) Nature of the CYP Active Sites

*Co-Chairs: Eric F. Johnson, The Scripps Research Institute, La Jolla, CA, USA
Nicolas P.E. Vermeulen, Vrije Universiteit, Amsterdam, The Netherlands*

Plasticity of the CYP2C9 Active Site, Allelic Variation and Ligand Induced Changes

Eric F. Johnson, The Scripps Research Institute, La Jolla, CA, USA

Substrate/Protein Dynamics Simulations and Applications

Nicolas P.E. Vermeulen, Vrije Universiteit, Amsterdam, The Netherlands

Structure and Function of Cytochromes P450 2B: X-ray Crystallography and Solution Biophysical Studies

James Halpert, The University of Texas Medical Branch, Galveston, TX, USA

Quantum Mechanical Studies of P450 Catalyzed Reactions

Sason Shaik, The Hebrew University, Jerusalem, Israel

SYMPOSIUM 6

Lipid Homeostasis and Metabolic Regulation

*Co-Chairs: Jin Ding Huang, National Cheng University Medical College, Tainan, Taiwan
Jeff Staudinger, University of Kansas, Lawrence, KS, USA*

CAR Mediates Induction of Drug Metabolism in Poorly Managed Type 1 Diabetes

David Moore, Baylor College of Medicine, Houston, TX, USA

Orphan Nuclear Receptors in Xenobiotic and Endobiotic Homeostasis

Wen Xie, University of Pittsburgh, Pittsburgh, PA, USA

Nuclear Receptors, Cell Signaling, and Drug Metabolism

Jeff Staudinger, University of Kansas, Lawrence, KS, USA

Nuclear Receptor Regulation of Bile Acid and Drug Metabolism

John Chiang, Northeastern Ohio University College of Medicine, Rootstown, OH, USA

18:30 - 19:00

POSTER VIEWING

THURSDAY, October 11, 2007

9:00 - 11:30

SYMPOSIUM 7

Current Issues on Reactive or Unique Metabolites

*Co-Chairs: Tsuyoshi Yokoi, Kanazawa University, Kanazawa, Japan
Robert A. Roth, Michigan State University, East Lansing, MI, USA*

Inflammatory Stress as a Susceptibility Factor for Drug Hepatotoxicity
Robert A. Roth, Michigan State University, East Lansing, MI, USA

Covalent Adduction of Proteins Causing Alkylation Damage
Daniel Liebler, Vanderbilt University, Nashville, TN, USA

Modulating GSH Synthesis Using Glutamate Cysteine Ligase Transgenic and Gene-targeted Mice
Terrance J. Kavanagh, University of Washington, Seattle, WA, USA

Investigation of Drug Induced Hepatotoxicity by Knockdown of Glutathione Synthesis
Tsuyoshi Yokoi, Kanazawa University, Kanazawa, Japan

SYMPOSIUM 8

Interplay of Metabolism and Transport in Drug Disposition
Co-chairs: Hiroshi Suzuki, Tokyo University, Tokyo, Japan
Dietrich Keppler, Deutsches Krebsforschungszentrum, Heidelberg, Germany

The Role of MRPs in the Cellular Efflux of Glucuronides: Studies with KO Mice
Piet Borst, The Netherlands Cancer Institute, Amsterdam, The Netherlands

Interplay of Conjugating Enzymes with OATP and MRP Transporters in the Elimination of Drugs: Studies with Multiple-transfected Cells and Mathematical Modeling of Vectorial Transport
Dietrich Keppler, Deutsches Krebsforschungszentrum, Heidelberg, Germany

Unexpected Interactions Between Drug Transport and Phase I and Phase II Drug Metabolism
Thomas Friedberg, University of Dundee, Dundee, UK

Synergistic Role of Breast Cancer Resistance Protein (BCRP/ABCG2) and Sulfotransferases in Regulating the Drug Disposition
Jun-ichi Enokizono, Kyowa Hakko Kogyo Co., Shizuoka, Japan

Interplay of P-450 Enzymes with Uptake and Efflux Transporters in Drug Disposition: Studies in Cellular Systems, Perfused Organs, Whole Animals and Humans
Leslie Z. Benet, University of California San Francisco, San Francisco, CA, USA

11:30 - 13:00

LUNCHEON SEMINAR

POSTER VIEWING - AUTHORS PRESENT WITH POSTERS

13:00 - 14:00

PLENARY LECTURE 2

Mitochondrial Toxicity – From Basic Mechanisms to Idiosyncratic Drug-induced Liver Injury
Urs A. Boelsterli, National University of Singapore, Singapore and University of Connecticut, Storrs, CT, USA

14:00 - 14:30

POSTER VIEWING

14:30 - 17:30

EXCURSION/MATSUSHIMA

18:00 - 21:00

BANQUET

FRIDAY, October 12, 2007

9:00 - 11:30

SYMPOSIUM 9

Nuclear Transfactor Interplay

Co-Chairs: Kiyoshi Nagata, Tohoku Pharmaceutical University, Sendai, Japan
Frank J. Gonzalez, NIH/NCI, Bethesda, MD, USA

Introduction

Frank J. Gonzalez, NIH/NCI, Bethesda, MD, USA

Analysis of the Intrinsic Physiological Function of AhR

Yoshiaki Fujii-Kuriyama, University of Tsukuba, Tsukuba, Japan

Nuclear Receptor: Cross-talk and Consequences

Patrick Maurel, INSERM, Montpellier, France

Nuclear Receptors CAR and PXR Mediate Xeno-Endo Cross-talk in Hepatic Energy Metabolism

Masahiko Negishi, NIEHS, Research Triangle Park, NC, USA

Analysis of Transcription Factor Interplay Assessed by Adenovirus siRNA

Kiyoshi Nagata, Tohoku Pharmaceutical University, Sendai, Japan

SYMPOSIUM 10

New Technology and Bioinformatics in Evaluating and Preventing Drug Toxicity

Co-chairs: Toshihiko Ikeda, Sankyo Co. Ltd., Tokyo, Japan
Garold S. Yost, University of Utah, Salt Lake City, UT, USA

Glutathione Adducts: Finding and Identifying Electrophiles

Garold S. Yost, University of Utah, Salt Lake City, UT, USA

Biomarker Discovery by Metabolome Analysis

Tomoyoshi Soga, Keio University, Yamagata, Japan

2D Electrophoresis Coupled to MS/MS - Identification of Protein Targets of Toxic Lipid Aldehydes

Dennis Petersen, University of Colorado, Denver, CO, USA

Sophisticated MS Techniques Used to Identify Alkylation of Proteins from Prototypical Electrophiles

Daniel Liebler, Vanderbilt University, Nashville, TN, USA

11:30 - 13:00

LUNCHEON SEMINAR

POSTER VIEWING - AUTHORS PRESENT WITH POSTERS

13:00 - 15:30

SYMPOSIUM 11

What Determines a Significant Metabolite?

(Organized by the Committee on Regulatory Affairs)

*Co-chairs: Takahiko Baba, Shionogi & Co Ltd, Osaka, Japan
Steven Wrighton, Eli Lilly & Co., Indianapolis, IN, USA*

Safety Assessments of Drug Metabolites

Masahiro Tohkin, NIHS, Tokyo, Japan

Case Studies in Pharmaceutical Industries and Perspective

Takafumi Iwatsubo, Astellas, Tokyo, Japan

Leveraging Drug Metabolism and Excretion Data in MIST (Metabolites In Safety Testing) Strategies

Scott Obach, Pfizer, Groton, CT, USA

Unique/major Human Metabolites: Why, How and When to Test for Safety in Animals

Debra Luffer-Atlas, Eli Lilly & Co., Indianapolis, IN, USA

SYMPOSIUM 12

Role of Pharmacokinetic Modeling and Simulation in Drug Development

*Co-Chairs: Yuichi Sugiyama, University of Tokyo, Tokyo, Japan
Stephen D. Hall, Indiana University Dept. of Medicine, Indianapolis,
IN, USA*

PBPK Modeling for Transporter-mediated Drug Disposition in
the Body: Prediction from In Vitro to In Vivo and from Animal to
Human

Yuichi Sugiyama, University of Tokyo, Tokyo, Japan

Mechanism Based PK/PD Modeling

*Meindert Danhof, Leiden/Amsterdam Center for Drug Research,
Amsterdam, The Netherlands*

Clinical PK/PD Studies for the Validation of Biomarkers as
Surrogate Endpoints

Akihiro Hisaka, University of Tokyo, Tokyo, Japan

Propagation of Genetic & Ethnic Variability in Drug Metabolism
to Pharmacological Response: Expectations vs. Realities

Amin Rostami-Hodjegan, University of Sheffield, Sheffield, UK

15:30 - 16:00

COFFEE BREAK | POSTER VIEWING

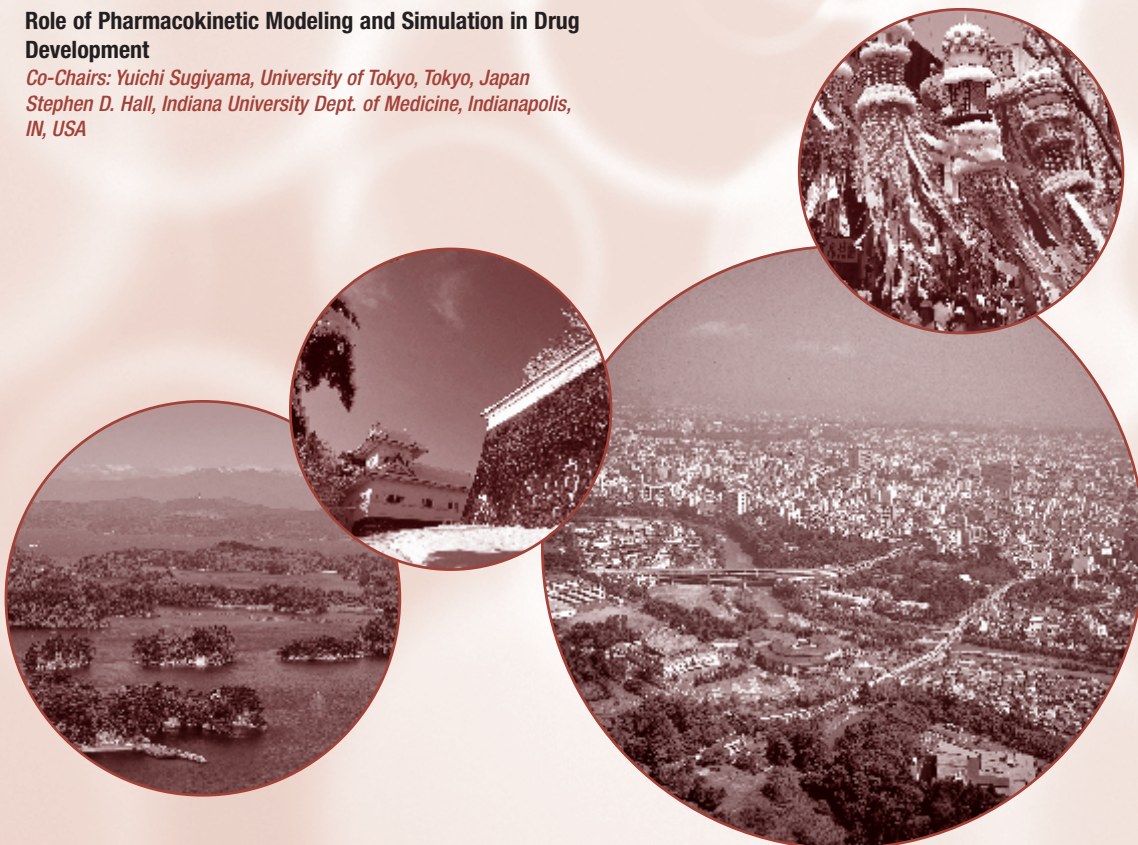
16:00 - 17:00

POSTER AWARDS

17:00

CLOSING

Announcing ISSX Meetings 2008-2010



REGISTRATION

FORUM

THE ISSX MEETING INCLUDES:

- Short Courses
- Symposia
- Presentation of the R.T. Williams Distinguished Scientific Achievement Award and Award Lecture
- Presentation of the Frederick J. Di Carlo Distinguished Service Award
- Poster Presentations
- Competition and Awards for Best Presentations by Predoctoral and Postdoctoral Researchers
- Commercial Exhibition
- Tuesday Evening Welcome Reception
- Thursday Evening Banquet/Excursion*
- Cultural Activity Program for Guests and Attendees*

* Additional registration fees are required.

MEETING REGISTRATION HOURS

Registration will take place at the Sendai International Center.

Tuesday, October 9, 20077:30 – 18:00

Wednesday, October 10, 20078:00 – 19:00

Thursday, October 11, 20078:00 – 14:30

Friday, October 12, 20078:00 – 13:00

**Final schedule will be posted on the ISSX Web site.*

MEETING REGISTRATION FEES

Fees apply to dates that registration forms are received with full payment. Registration fees are in US dollars or Japanese Yen Only.

	PRIOR TO JUNE 1	JUNE 1-SEPTEMBER 26	ONSITE
Full Member of ISSX	\$525 ¥63,685	\$600 ¥72,785	\$650 ¥78,850
Student/Postdoctoral Member of ISSX	\$150 ¥18,195	\$175 ¥21,225	\$200 ¥24,260
Non Member	\$660 ¥80,050	\$760 ¥92,165	\$860 ¥104,290
Guest	\$35 ¥4,245	\$35 ¥4,245	\$35 ¥4,245
Banquet/Excursion	\$100 ¥12,130	\$100 ¥12,130	N/A

(Banquet tickets must be purchased by September 12, 2007.)

GUEST FEE INCLUDES: Entry to the Welcome Reception and poster/exhibit area and all refreshment breaks.

THE MEETING REGISTRATION FEE INCLUDES: admittance to the keynote lectures, plenary session, symposium sessions, poster sessions and commercial exhibition; one copy of the special *Drug Metabolism Reviews* issue with abstracts for this meeting; a conference program and attendee list; entrance to the welcome reception on Tuesday evening with hors d'oeuvres and a drink ticket; and refreshment breaks.

MEETING CANCELLATION POLICY

Meeting registration fees, less a cancellation fee of \$100, will be refunded if a written request is received by **September 21, 2007**. No refunds will be issued after September 21, 2007.

SHORT COURSE INFORMATION

Short courses will be offered on **Tuesday, October 9, 2007** at the International Sendai Center. The short course registration fee includes entrance to the course, a copy of the course material, and a light lunch.

9:00 – 12:00 - Morning Courses

SHORT COURSE 1:

P450-dependent Metabolism in Extrahepatic Tissues: Implications for Drug Disposition and Toxicology

SHORT COURSE 2:

Novel Technologies for Transport Study in Drug Discovery and Development

SHORT COURSE 3:

Drug Toxicity and Safety Predicted by Toxicogenomics

14:00 – 17:00 - Afternoon Courses

SHORT COURSE 4:

Prediction of Pharmacokinetics and Drug-drug Interactions in Humans: Quantitative In Vitro-In Vivo Extrapolation

SHORT COURSE 5:

Metabolism-Based Neurotoxicity by Xenobiotics: Mechanisms & Biomarkers

SHORT COURSE 6:

Application of Genomic Data on Clinical Events

SHORT COURSE REGISTRATION FEES

Fees below are for an individual course and apply to the date the registration form is received with full payment.

	PRIOR TO JUNE 1	JUNE 1-SEPTEMBER 26	ONSITE
Member of ISSX <i>(Price is for one course)</i>	\$120 ¥14,555	\$170 ¥20,620	\$200 ¥24,255
Non Member <i>(Price is for one course)</i>	\$180 ¥21,830	\$230 ¥27,895	\$260 ¥31,535

SHORT COURSE CANCELLATION POLICY

Short Course fees, less a cancellation fee of \$50, will be refunded if a written request is received by **September 21, 2007**. No refunds will be issued after September 21, 2007.

EXHIBITOR REGISTRATION

Exhibitors are encouraged to register as early as possible in order to secure the best booth selection. The exhibitor application can be found on page 18 and the floor plan can be found below. Please visit www.issx.org to download the exhibitor prospectus.

EXHIBITION HOURS

TUESDAY, OCTOBER 9, 2007

Exhibitor Registration Open7:30 – 17:00
(Sendai International Center)
 Exhibitor Move-in7:30 – 17:00
(Sendai International Center)
 Welcome Registration.....18:00 – 20:00
(Sendai Excel Hotel Tokyu)

WEDNESDAY, OCTOBER 10, 2007

Exhibits Open9:00 – 19:00

THURSDAY, OCTOBER 11, 2007

Exhibits Open9:00 – 14:30

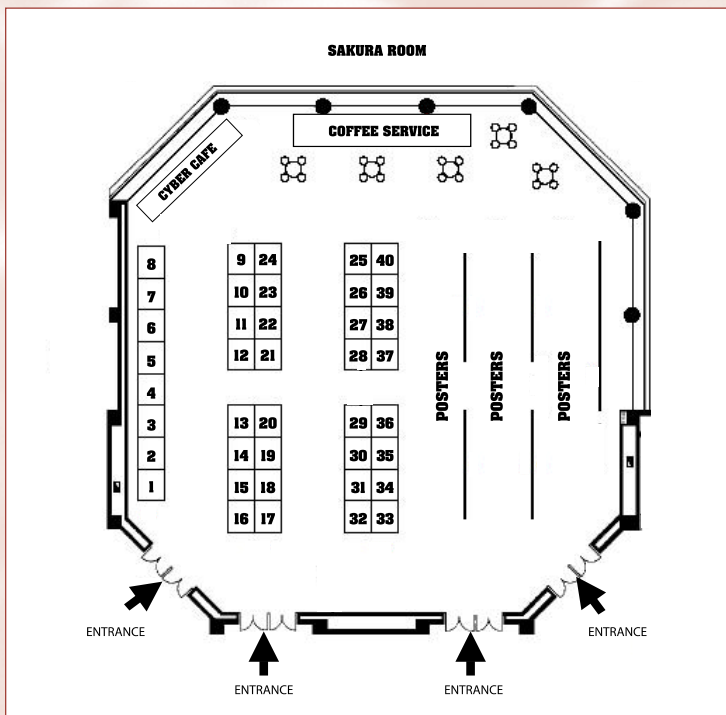
FRIDAY, OCTOBER 12, 2007

Exhibits Open9:00 – 17:30

EXHIBITION CANCELLATION POLICY

Deposits are non-refundable. Notice of cancellation must be received in writing by July 6, 2007.

EXHIBIT HALL FLOOR PLAN



FINAL PROGRAM AND ABSTRACT PUBLICATION

Attendees will receive the printed schedule for lectures and poster presentations, name badges, attendee lists and a copy of the special issue of *Drug Metabolism Reviews* with abstracts for the meeting at the registration desk.

ABSTRACTS

The abstract deadline for the 8th International ISSX Meeting is **June 1, 2007**. To submit an abstract for the meeting, please visit www.issx.org. Abstracts submitted after the June 1, 2007 deadline may be considered for a poster presentation; however, location with other posters of the same topic cannot be guaranteed. Late abstracts will not appear in the special issue of *Drug Metabolism Reviews*.

PREDOCTORAL & POSTDOCTORAL POSTER AWARDS

The Poster Awards Committee reviews abstracts entered into the competition for best presentations by predoctoral and postdoctoral researchers and identifies finalists prior to the meeting. Finalists' posters should be in place for the Wednesday poster session and must remain in place until Friday afternoon. During Poster Session 1 on Wednesday, the Poster Awards Committee will visit the posters of finalists and interview authors. Based on these interviews, the committee will select winners in each category (predoctoral & postdoctoral research). **Awards will be presented on Friday, October 12th during the Poster Awards session.** Prizes will consist of engraved plaques, journal subscriptions and cash awards.

POSTER REQUIREMENTS

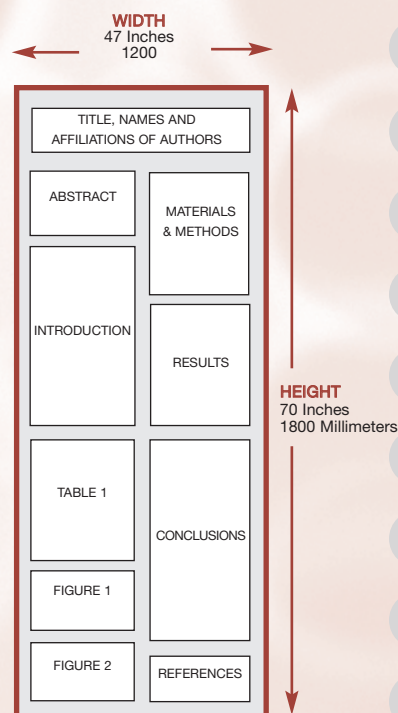
1. All material should be large enough to be readable from two meters (approximately six feet).
2. Make the poster self-explanatory.
3. The top section of the poster should be an illustration of poster layout and contain the title, author(s) name(s) and affiliations. Letters should be at least 2.4 cm (1") high.
4. A separate section containing the abstract should be placed in the upper left, as shown below.
5. A separate section containing the conclusion should be placed on the right, as shown below. State conclusions briefly and clearly.
6. State objectives clearly and give clear experimental details.
7. Use clear tables and figures. Structural information must be included in the poster.
8. Judicious use of color can often add emphasis.

POSTER PRESENTATION

1. Posters are normally presented by the first author.
2. Posters are to be mounted on the assigned board only.
3. Push pins will be provided. Posters boards are Velcro-compatible (*Please bring your own Velcro.*)
4. Do not write on, or otherwise mark, the surface of the poster board.

POSTER SCHEDULE

	WEDNESDAY Poster Session 1	THURSDAY Poster Session 2	FRIDAY Poster Session 3
Set-up Time	8:30 – 9:00	8:30 – 9:00	8:30 – 9:00
Poster Viewing	9:00 – 19:00	9:00 – 14:30	9:00 – 17:30
Authors Present	11:30 – 13:00	11:30 – 13:00	11:30 – 13:00
Dismantle Time	19:00 – 19:30	14:30 – 15:00	17:30 – 18:00



GENERAL INFORMATION



MEETING LOCATION

The 8th International ISSX Meeting, scientific sessions and exhibition will be held at the Sendai International Center in Sendai, Japan. For more information, visit www.sira.or.jp.

Sendai International Center
Aobayama, Aoba-ku, Sendai-ish, Miyagi-ken

WELCOME RECEPTION

All meeting attendees and their registered guests are invited to attend a welcome reception on Tuesday, October 9, 2007 from 18:00 to 20:00 at the Sendai Excel Hotel Tokyu. A light buffet serving Japanese and Western food will be available. The Sendai Excel Hotel Tokyu is a short 15 minute walk from the Sendai International Center and from Sendai Station.

BANQUET/EXCURSION

On Thursday, October 11, 2007, ticketed participants will depart the Sendai International Center on chartered buses at 14:30 and travel an hour and fifteen minutes out of the city to the Matsushima coast. Don't miss Matsushima's famous bay dotted by many pine clad islets. It has been ranked one of Japan's three most scenic views. Here participants will visit the Zuiganji-Temple. The banquet will be held at the Hotel Taikanso where we will enjoy entertainment and dinner overlooking the bay.

Please note: Banquet/Excursion Reservation Deadline: Wednesday, September 12, 2007. Tickets will NOT be available for purchase onsite. Tickets can be purchased by filling out the registration form.

SENDAI INFORMATION

Founded in 1600, Sendai is the political and economic center of Japan's Tohoku (northeast) Region. With a population of one million people, Sendai is a large city, and it is known throughout Japan as a modern city in harmony with nature. The city possesses beautiful scenery, such as the Hirose-gawa River that runs through central Sendai, and the lush Zelkova trees that line its streets. Sendai has many universities and is well-known as an academic city. Its universities and research institutes have been contributing to the development of the high-tech industry.

WEATHER

Typical Weather in October

Monthly Averages 67.0° F (19.0° C) daytime/ 59.0° (15.0° C) nighttime

THINGS TO DO IN SENDAI

SENDAI CASTLE (AOBA CASTLE)

Sendai Castle, or Aoba Castle, was built by the famous Sengoku warlord Masamune Date. Construction began in early 1601 on Mount Aoba, a small mountain near the downtown of present-day Sendai City.

SENDAI CITY MUSEUM

The Sendai City Museum is the main museum of the city. The museum displays various artifacts related to the Date family and the history of Sendai.

NISHI PARK

Established in 1875, Nishi Park is the oldest park in the city and is cherished by locals for its beautiful cherry blossoms and fall colors.

ZUIHODEN

Zuihoden is a mausoleum of the first lord of Sendai, Masamune Date. The beautiful Momoyama-style building is also home to the second and third Sendai lords, as well as graves of the ninth and eleventh lords and some children. This is the mausoleum of the first lord of Sendai, Masamune Date. It is a beautiful Momoyama-style building, built by the best architects of the day.

SHOPPING ARCADE

Aoba-dori Ichiban-cho, or the first block of Aoba Street, has many shopping arcades – covered streets lined with retail shops, restaurants and department stores.

For more information of the culture and history of Sendai, as well as things to do, visit:

www.city.sendai.jp/index-e.html.

MANAGEMENT

International Society for the Study of Xenobiotics
2025 M Street, NW, Suite 800
Washington, DC 20036, USA
Tel: +1.202.367.1160
Fax: +1.202-367-2160
E-mail: information@issx.org
Web site: www.issx.org

THE SENDAI INTERNATIONAL AIRPORT is the gateway to and from the Tohoku region. More than 3 million passengers each year use the airport for commutes and overseas connections. The airport's operational hours are from 7:30 – 21:30.

The Sendai Airport Line is the best public transportation option to and from the Sendai International Airport. The Sendai Airport Line is a fast, convenient, comfortable train that links the Sendai Airport to the Sendai Station. The trip takes approximately 25 minutes and costs ¥630 (roughly \$5.50).

To learn more, please visit www.sdj-airport.com/english/index.html.

NARITA INTERNATIONAL AIRPORT handles mostly international air traffic and is the arrival point of most foreign visitors. Narita Airport, formerly known as New Tokyo International Airport, is located in the city of Narita in Chiba Prefecture, about 60 km outside of Tokyo. The trip from Narita Airport to Sendai takes approximately 2 hours by Narita Express (a shuttle between the airport and Tokyo) and Tohoku Shinkansen.

TAKE THE NARITA EXPRESS (a shuttle between the airport and Tokyo) to Tokyo Station. From Tokyo, it takes less than 2 hours by Tohoku Shinkansen (bullet train). For more information on trains and schedules for the Shinkansen, please visit www.japan-guide.com/e/e2018.html.

DISCOUNTED AIR TRAVEL & CAR RENTAL

ISSX has chosen Apollo Travel as the preferred travel agency for the 8th International ISSX meeting. As an attendee, you will receive discounts on air and car rates. Apollo is able to assist you in confirming the least expensive air and car rental rates for your trip to Sendai, Japan.

PICK ONE OF THREE WAYS TO BOOK YOUR TRAVEL WITH APOLLO.

- Call 1-866-880-6483 Monday-Friday, 7:00 - 19:00 (Central Standard Time)
- Email: travel@travelapollo.com
- Go online to <http://ISSX.themeetingevent.com>

Be sure to mention you will be attending the 8th International ISSX Meeting in Sendai, Japan.

PLEASE USE THE FOLLOWING STEPS TO HELP NAVIGATE THE ONLINE SITE:

- Go online to <http://ISSX.themeetingevent.com>
- Carefully read and fill in the requested information and click "submit."
- By clicking "I agree" you are accepting the travel terms and conditions.
- Click "book travel for meeting."
- Reconfirm your name matches your ID and click "next" on the bottom right.
- A map with a Star on the Host Destination City will appear. Just click on your departure city and click "next."
- Carefully follow the remaining prompts to confirm your air and car rental needs.

IMPORTANT INFORMATION

Agents are available to help book your reservations Monday-Friday, 7:00 - 19:00 Central Standard Time. After hours emergency assistance is available for an additional fee should you need travel assistance after normal business hours.

When stranded at the airport due to severe weather, mechanical delays, or when needing an immediate change due to scheduling issues, your agency is an indispensable ally.

Your ticket will be issued and an email will be sent confirming your itinerary. The price of your ticket, including the agency service fee, will be listed. Restrictions, fees and cancellation penalties will apply.



ISSX has arranged for special rates at various hotels in different price categories in the Sendai area. The majority of the hotels are within walking distance or short driving distance to either the Sendai International Center or Sendai Station. Hotel reservations will be made on a first-come, first-served basis. To receive the special rate, you must reserve your hotel room online through the ISSX Web site. For more details about the hotels or to make a reservation, please visit www.issx.org. Reservations must be made by **September 7, 2007**.

HOTELS WITH SPECIAL RATES

- 1 HOTEL METROPOLITAN SENDAI**
Two Star Rating
 Single Room ¥12,700/night (approx. U.S. \$110)
 15 minute drive to the Sendai International Center
 1 minute walk to Sendai Station
- 2 HOTEL MONTEREY SENDAI**
Three Star Rating
 Single Room ¥12,900/night (approx. U.S. \$110)
 15 minute drive to the Sendai International Center
 3 minute walk to Sendai Station
- 3 SENDAI HOTEL**
Three Star Rating
 Single Room ¥13,400/night (approx. U.S. \$115)
 15 minute drive to the Sendai International Center
 2 minute walk to Sendai Station
- 4 SENDAI KOKUSAI HOTEL**
Four Star Rating
 Single Room ¥12,400/night (approx. U.S. \$106)
 12 minute drive to the Sendai International Center
 8 minute walk to Sendai Station
- 5 HOTEL UNISITE SENDAI**
Two Star Rating
 Single Room ¥8,900/night (approx. U.S. \$77)
 14 minute drive to the Sendai International Center
 3 minute walk to Sendai Station
- 6 HOTEL JAL CITY SENDAI**
Three Star Rating
 Single Room ¥11,300/night (approx. U.S. \$97)
 18 minute drive to the Sendai International Center
 5 minute walk to Sendai Station
- 7 SENDAI EXCEL HOTEL TOKYU**
Four Star Rating
 Single Room ¥12,900/night (approx. \$110)
 15 minute walk to the Sendai International Center
- 8 SENDAI WASHINGTON HOTEL**
Three Star Rating
 Single Room ¥8,600/night (approx. U.S. \$75/night)
 12 minute walk to the Sendai International Center
- 9 HOTEL LEOPALACE SENDAI**
Three Star Rating
 Single Room ¥7,800/night (approx. U.S. \$67)
 10 minute walk to the Sendai International Center
- 10 HOTEL SENDAI PLAZA**
Two Star Rating
 Single Room ¥11,300/night (approx. U.S. \$97)
 15 minute drive to the Sendai International Center
 15 minute walk to Sendai Station
- 11 KOYO GRAND HOTEL**
Four Star Rating
 Single Room ¥11,300/night (approx. U.S. \$97)
 15 minute drive to the Sendai International Center
 12 minute walk to Sendai Station
- 12 HOTEL RICHFIELD SENDAI**
Three Star Rating
 Single Room ¥8,900/night (approx. U.S. \$77)
 12 minute drive to the Sendai International Center
 8 minute drive to Sendai Station
- 13 MITSUI URBAN HOTEL SENDAI**
Three Star Rating
 Single Room ¥10,800/night (approx. U.S. \$92)
 14 minute drive to the Sendai International Center
 5 minute drive to Sendai Station



8TH INTERNATIONAL ISSX MEETING

SENDAI, JAPAN | OCTOBER 9-12, 2007

REGISTRATION FORM

PLEASE PRINT OR TYPE CLEARLY.

_____ FIRST NAME	_____ MIDDLE INITIAL	_____ LAST NAME	_____ DATE
_____ INSTITUTION NAME			
_____ ADDRESS			
_____ CITY	_____ STATE	_____ POSTAL OR ZIP CODE	_____ COUNTRY
_____ TELEPHONE	_____ FAX	_____ EMAIL	
_____ NAME OF REGISTERED GUEST(S)			

SHORT COURSES

COURSE SELECTION: (THE SHORT COURSE FEES LISTED BELOW ARE FOR ONE COURSE. TO REGISTER FOR MORE THAN ONE COURSE, PLEASE INCLUDE THE APPROPRIATE FEES.)

MORNING COURSES
(CHOOSE ONE)

- Course 1:** P450-dependent Metabolism in Extrahepatic Tissues: Implications for Drug Disposition and Toxicology
- Course 2:** Novel Technologies for Transport Study in Drug Discovery and Development
- Course 3:** Drug Toxicity and Safety Predicted by Toxicogenomics

AFTERNOON COURSES
(CHOOSE ONE)

- Course 4:** Prediction of Pharmacokinetics and Drug-drug Interactions in Humans: Quantitative In Vitro-In Vivo Extrapolation
- Course 5:** Metabolism-Based Neurotoxicity by Xenobiotics: Mechanisms & Biomarkers
- Course 6:** Application of Genomic Data on Clinical Events

MEETING REGISTRATION

MEETING REGISTRATION FEES: (CHECK APPROPRIATE FEE(S). ALL FEES ARE IN US DOLLARS OR JAPANESE YEN. NO REFUNDS WILL BE GRANTED AFTER SEPTEMBER 21, 2007.)

	PRIOR TO JUNE 1	JUNE 1 - SEPTEMBER 26	ONSITE
FULL MEMBER OF ISSX	<input type="checkbox"/> \$525 / ¥63,685	<input type="checkbox"/> \$600 / ¥72,785	<input type="checkbox"/> \$650 / ¥78,850
STUDENT/POSTDOCTORAL MEMBER OF ISSX	<input type="checkbox"/> \$150 / ¥18,195	<input type="checkbox"/> \$175 / ¥21,225	<input type="checkbox"/> \$200 / ¥24,260
NON MEMBER	<input type="checkbox"/> \$660 / ¥80,050	<input type="checkbox"/> \$760 / ¥92,165	<input type="checkbox"/> \$860 / ¥104,290
GUEST	<input type="checkbox"/> \$35 / ¥4,245	<input type="checkbox"/> \$35 / ¥4,245	<input type="checkbox"/> \$35 / ¥4,245
BANQUET/EXCURSION	<input type="checkbox"/> \$100 / ¥12,130	<input type="checkbox"/> \$100 / ¥12,130	N/A

SHORT COURSE FEES:

MEMBER OF ISSX	NUMBER OF COURSES: _____ X	<input type="checkbox"/> \$120 / ¥14,555	<input type="checkbox"/> \$170 / ¥20,620	<input type="checkbox"/> \$200 / ¥24,255
NON MEMBER	NUMBER OF COURSES: _____ X	<input type="checkbox"/> \$180 / ¥21,830	<input type="checkbox"/> \$230 / ¥27,895	<input type="checkbox"/> \$260 / ¥31,535

REGISTRATION TOTAL

--	--	--

PAYMENT

NOTE: Registration will open online at www.issx.org in early April. Credit cards will not be charged until that time.

METHOD OF PAYMENT (FULL PAYMENT IS DUE AT THE TIME OF REGISTRATION)

- CASH (U.S. DOLLARS / YEN) ONSITE ONLY CHECK (DRAWN ON A U.S. BANK)
- CREDIT CARD (CIRCLE ONE)

Visa MasterCard American Express Discover

TO BE COMPLETED FOR CREDIT CARD TRANSACTIONS

CARDHOLDER'S NAME (PLEASE PRINT)

CARD NUMBER

EXPIRATION _____ CV# _____

SIGNATURE _____

PLEASE NOTE: THE CVV# IS THE 3-DIGIT NUMBER FOUND ON THE BACK OF THE CREDIT CARD

Cancellation Policy for Meeting Registration:
Meeting Registration fees, less a cancellation fee of \$100, will be refunded if written request is received by September 21, 2007. No refunds will be granted after September 21, 2007.

Short Course fees, less a cancellation fee of \$50, will be refunded if written request is received by September 21, 2007. No refunds will be granted after September 21, 2007.

Completed form with remittance can be sent to ISSX at Facsimile 202-367-2173
or mailed to 2025 M Street, NW, Suite 800, Washington, DC 20036, USA.
Please make checks payable to ISSX.



8TH INTERNATIONAL ISSX MEETING

SENDAI, JAPAN | OCTOBER 9-12, 2007

EXHIBITOR APPLICATION

COMPANY CONTACT PERSON LISTED BELOW WILL BE RECEIVING THE EXHIBITOR SERVICE KIT VIA EMAIL.
EMAIL ADDRESS IS REQUIRED AND MUST BE PRINTED CLEARLY.

PLEASE PRINT OR TYPE CLEARLY.

COMPANY NAME

CONTACT NAME

ADDRESS

CITY

STATE

POSTAL OR ZIP CODE

COUNTRY

TELEPHONE

FAX

EMAIL

WEBSITE

EXHIBIT BOOTH FEE

BOOTH SIZE

5.9 ft x 7.87 ft x 4.92 ft
(1800mm x 2400mm x 1500mm)

REGULAR BOOTH

\$2,700 US or ¥326,290

CORNER BOOTH

\$3,000 US or ¥362,635

The deadline for receipt of the exhibitor application prior to early space assignment is March 30. Registration Deadline: September 7, 2007.

PLEASE CHECK ONE

- REGULAR BOOTH** - Full payment enclosed (\$2,700 US or ¥326,290)
 CORNER BOOTH - Full payment enclosed (\$3,000 US or ¥362,635)

BOOTH LOCATION

LIST BOOTH LOCATION DESIRED IN ORDER OF PREFERENCE: (See diagram on page 12.)

(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ (6) _____

Additional considerations (Please describe any special requirements):

PAYMENT

METHOD OF PAYMENT

- CHECK (ENCLOSED)
 CREDIT CARD (CIRCLE ONE)
 Visa MasterCard American Express

TO BE COMPLETED FOR CREDIT CARD TRANSACTIONS

CARDHOLDER'S NAME (PLEASE PRINT)

CARD NUMBER

EXPIRATION

SIGNATURE

PLEASE RETURN EXHIBITOR APPLICATION AND PAYMENT TO:

ISSX Exhibits | 2025 M Street, NW, Suite 800, Washington, DC 20036, USA

Form may be faxed with Credit Card payment to **202.367.2139**

CANCELLATION POLICY:

Notification of cancellation must be made in writing. If space is canceled prior to July 6 2007, a refund of the amount paid, less \$1,000 US, will be issued. No refunds will be issued after July 6, 2007.

EXHIBIT CONTACT INFORMATION

Kelly Marks, Exhibits Manager
ISSX Office | 2025 M Street, NW, Suite 800, Washington, DC 20036 USA
Telephone: 202-367-1138 | Facsimile: 202-367-2139
Email: meetings@issx.org



INTERNATIONAL SOCIETY FOR THE STUDY OF XENOBIOTICS

NEW MEMBER APPLICATION

2007

The following are among the many benefits of joining this rapidly growing society:

- > Membership in the only international society that brings together all those interested in xenobiotics
- > Membership in a society that emphasizes the unity of mode of action, metabolism and interaction of xenobiotics, regardless of whether they are drugs, pesticides, industrial chemicals or environmental contaminants
- > Access to regular regional meetings in Europe, North America and Asia Pacific and regular international congresses, as well as many joint meetings with other societies
- > Receipt of an informative quarterly newsletter with correspondents from many countries
- > Receipt of proceedings of all ISSX meetings, regardless of attendance at meeting
- > Reduced prices for journals and monographs, with more to be added (Current list on opposite side of page)
- > Online Membership Directory
- > Comprehensive website, www.issx.org
- > Modest dues structure

Return to: **INTERNATIONAL SOCIETY FOR THE STUDY OF XENOBIOTICS**

Dept. 3462, Washington, DC 20042-3462 USA

Tel: 202-367-1160

Fax: 202-367-2160

Email: information@issx.org

APPLICANT INFORMATION (PLEASE TYPE OR PRINT LEGIBLY)

NAME	(FIRST)	(MIDDLE)	(LAST)
HIGHEST EARNED DEGREE(S)		OCCUPATION	
ORGANIZATION		DEPARTMENT	
STREET ADDRESS/P.O.#			
(CITY)	(STATE/PROVINCE)	(POSTAL CODE)	(COUNTRY)
TELEPHONE NUMBER		FAX NUMBER	
E-MAIL:			
I APPROVE OF THE ORGANIZATIONAL OBJECTIVES AND SEEK TO CONTRIBUTE TO THE STUDY OF THE FATE OF XENOBIOTIC SUBSTANCES, AND HEREBY APPLY FOR MEMBERSHIP IN ISSX.			
SIGNATURE			DATE

MEMBERSHIP DUES (FOR THE CALENDAR YEAR 2007) *Enter the total dues amount on reverse side*

<input type="checkbox"/> Regular Members	\$80.00	\$
<input type="checkbox"/> Post Doc Members	\$25.00	\$
<input type="checkbox"/> Student Members	\$25.00	\$
<i>(Students/post-docs please complete box below)</i>		
<input type="checkbox"/> Members from Designated Countries	\$25.00	\$
<i>(List of Countries available online at www.issx.org/membercountries.html or from Dues Office)</i>		
<input type="checkbox"/> Emeritus Members	DUES WAIVED ON REQUEST	
<i>(To qualify, one must have been a regular member in good standing for 20 previous years and be at least 65 years of age.)</i>		
		1 \$ <input style="width: 50px;" type="text"/>
<small>MEMBERSHIP SUBTOTAL</small>		

<input type="checkbox"/> STUDENT MEMBERSHIP <input type="checkbox"/> POST-DOC MEMBERSHIP	I certify that _____ is a candidate for an advanced degree or a post-doctoral fellow in a field related to the study of xenobiotics (e.g., pharmacology, toxicology) <small style="text-align: center;">PRINT NAME</small> INSTITUTION _____ DEPARTMENT _____ SIGNATURE OF APPLICANT'S MAJOR RESEARCH ADVISOR _____
---	--

Over Please -->

VOLUNTARY TAX DEDUCTIBLE CONTRIBUTION

- Gift, unrestricted (less than \$250)..... \$
- Sustaining Member, unrestricted (\$250 or more above annual dues) \$
- Young Scientist Travel Funds \$
- Membership Fund (Membership Dues Support) \$
- Society Awards \$
- James R. Gillette Award \$

2 \$

CONTRIBUTIONS SUBTOTAL

2007 JOURNAL SUBSCRIPTIONS AT MEMBER RATES

JOURNAL	ISSUES	MEMBER RATE	
<input type="checkbox"/> Annual Review of Genomics & Human Genetics, Vol.8***	(01)	\$ 65.00 U.S. Print & Online	\$
<input type="checkbox"/> Annual Review of Pharmacology & Toxicology, Vol. 47***	(01)	\$ 65.00 U.S. Print & Online	\$
<input type="checkbox"/> Biomarkers, Vol. 12	(06)	\$155.00 Print	\$
		\$170.00 Print & Online	\$
<i>(Members must use a personal address when subscribing to the above journal)</i>			
<input type="checkbox"/> Chemical Research in Toxicology, Vol. 20	(12)	\$296.00 North America, Print	\$
		\$390.00 Outside North America, Print	\$
<input type="checkbox"/> Chemo-Biological Interactions, Vols. 165-170	(18)	\$239.00 Print	\$
<input type="checkbox"/> Current Drug Metabolism, Vol. 8	(08)	\$185.00 Print	\$
<input type="checkbox"/> Drug Metabolism & Pharmacokinetics, Vol. 22	(06)	\$ 60.00 Print	\$
<input type="checkbox"/> Drug Metabolism Reviews, Vol. 38	(04 + 1 Supplement)	\$ 70.00 Print & Online	\$
<i>(By subscribing to Drug Metabolism Reviews, the official journal of ISSX, members are receiving a reduced rate while also making a small contribution to the Society)</i>			
<input type="checkbox"/> European Journal of Drug Metabolism & Pharmacokinetics, Vol. 32	(04)	\$190.00 Print	\$
<input type="checkbox"/> Journal of Biochemical & Molecular Toxicology, Vol. 21	(06)	\$100.00 Print & Online	\$
<input type="checkbox"/> Pharmacogenetics & Genomics, Vol. 17	(12)	\$273.00 Outside European Union, Print & Online	\$
		\$266.00 European Union, Print & Online	\$
<input type="checkbox"/> Xenobiotica, Vol. 37	(12)	\$152.00 Print	\$
		\$167.00 Print & Online	\$
<i>(Members must use a personal address when subscribing to the above journal)</i>			

***California residents, or all orders shipped to a California address, will be subject to 8% Sales Tax. (\$70.20)

***Canada residents, or all orders shipped to a Canadian address, will be subject to 7% Sales Tax. (\$69.55)

≠ Includes air freight

≠ NOTE: Subscriptions are for CURRENT year only. For Back Issues or prior years and address changes, please contact the publisher directly.

≠≠≠ NOTE: Canadian residents, or all orders shipped to a Canadian address will be subject to a 7% GST.

3 \$

JOURNALS SUBTOTAL

GRAND TOTAL \$
(ADD BOXES 1, 2, 3)

If ordering Biomarkers or Xenobiotica please provide your home/personal address if it is different from the label on front.

MEMBER SURVEY

POSITION TITLE Academic Industry

AREA(S) OF RESEARCH/INTEREST

To request a copy of the full survey, contact information@issx.org.

REVISED 01/07

CREDIT CARD INFORMATION PLEASE TYPE OR PRINT LEGIBLY

- American Express VISA
 MasterCard Discover

CARD NUMBER _____ EXP. DATE _____

NAME ON CARD _____

DIGIT CODE FOLLOWING YOUR CREDIT CARD NUMBER
(FOUND ON THE BACK OF YOUR CREDIT CARD.) _____

AUTHORIZED SIGNATURE _____

PLEASE PAY DUES PROMPTLY. THEY ARE DUE BEFORE THE BEGINNING OF 2006. EARLY PAYMENT WILL ENSURE UNINTERRUPTED SERVICE FOR JOURNAL SUBSCRIPTIONS AS WELL. THANK YOU FOR YOUR COOPERATION!



ISSX:

Celebrating More Than 25 Years of Promoting Major Achievements in Xenobiotic Research!



IMPORTANT NOTICES



The Japanese Society for the Study of Xenobiotics (JSSX) will hold a 1-day meeting on October 8, 2007 at the Sendai International Center. For more information, please visit www.jssx.org/eg/index-eg.html

FUTURE ISSX MEETINGS



2ND ASIAN PACIFIC ISSX MEETING

May 4-7, 2008
Shanghai, China



10TH EUROPEAN ISSX MEETING

May 18-21, 2008
Vienna, Austria



15TH NORTH AMERICAN ISSX MEETING

October 12-16, 2008
San Diego, California, USA



16TH NORTH AMERICAN ISSX MEETING

October 11 – 15, 2009
Baltimore, MD, USA



9TH INTERNATIONAL ISSX MEETING

September 4 – 8, 2010
Istanbul, Turkey

MEETING DETAILS TO BE ANNOUNCED

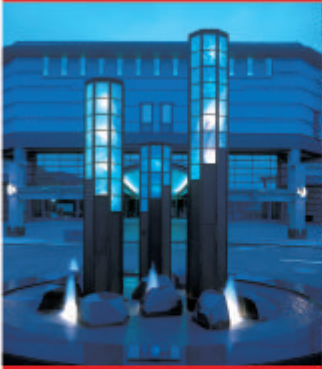
- 3RD ASIAN PACIFIC ISSX MEETING, 2009
- 11TH EUROPEAN ISSX MEETING, 2009



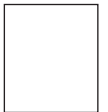
8TH INTERNATIONAL ISSX MEETING

SENDAI, JAPAN | OCTOBER 9-12, 2007

REGISTER BEFORE JUNE 1, 2007 AND SAVE UP TO \$100



ISSX,
2025 M Street, N.W.
Suite 800
Washington, DC 20036
USA



Addressee