



19TH NORTH AMERICAN ISSX MEETING

29TH JSSX MEETING

SAN FRANCISCO | OCTOBER 19-23, 2014



PLEASE JOIN US!

Dear Colleagues,

On behalf of the Meeting Organizing Committee, we wish to invite you to join the Japanese Society for the Study of Xenobiotics and the International Society for the Study of Xenobiotics at an outstanding joint scientific meeting October 19 – 23, 2014 in San Francisco, California, USA.

This meeting builds on the scientifically informative and socially rewarding joint meeting organized by JSSX and ISSX in Maui, Hawaii in 2005. Another joint meeting between our societies is a wonderful opportunity to provide researchers both fundamental new findings and cutting-edge information related to xenobiotic metabolism and disposition.

The meeting will begin on Sunday, October 19 with short courses on DDI prediction, metabolite biosynthesis and structure determination, Non-CYP metabolism, and a tutorial on using database mining to maximize the use of DMPK and DDI data during clinical development of new chemical entities. The short courses will be followed by a welcome reception for all attendees and registered guests.

Fourteen scientific symposia encompassing a broad spectrum of topics important in the field will be featured as will plenary lectures by the ISSX North American Scientific Achievement Awardees and the JSSX Kitagawa and Young Investigator Awardees.

In addition, there will be poster sessions, a trade exhibition, and industry-sponsored symposia. On the social side, we are planning an enjoyable excursion in the

San Francisco area on Wednesday evening. Watch for more details regarding this.

Both Societies are active organizations, producing meetings of the highest caliber and having large numbers of enthusiastic members generating exciting scientific results. The geographic distances involved often precluded members of ISSX and JSSX from meeting on a personal level. It was against this background that the concept of a joint meeting was born and enthusiastically accepted by the executives of ISSX and JSSX. This meeting is the final result of all their efforts for which we are extremely grateful.

Finally, in inviting your participation in this meeting, we remind you of the beauty of the San Francisco Bay Area and suggest that you bring the family and extend your stay to make this your unique annual holiday. Information concerning abstract submission, meeting registration, hotel accommodations, travel grants, visa application, and much more may be found in this brochure and on the meeting web site: www.issx.org/jssx-issx.

We look forward to greeting you in San Francisco in October!



Eric Johnson and Tetsuya Terasaki
Meeting Organizing Committee Co-Chairs

REGISTRATION FEES

SHORT COURSE REGISTRATION

MEMBER TYPE	REGISTRATION PERIOD		
	EARLY THROUGH JUNE 30	REGULAR JULY 1-OCT. 10	ONSITE AFTER OCTOBER 11
ISSX or JSSX Member	\$175	\$225	\$250
ISSX or JSSX Student/Post-Doc	\$100	\$125	\$150
Non-member	\$225	\$275	\$325

FULL MEETING REGISTRATION

MEMBER TYPE	REGISTRATION PERIOD		
	EARLY THROUGH JUNE 30	REGULAR JULY 1-OCT. 10	ONSITE AFTER OCTOBER 11
ISSX or JSSX Member	\$615	\$715	\$795
ISSX or JSSX Student/Post-Doc	\$250	\$275	\$300
Non-member	\$745	\$845	\$945
Guest*	\$75	\$75	\$75

*Guest registration includes refreshment breaks and a ticket to the Opening Welcome Reception on Sunday, October 19, 2014.

REGISTER NOW AT
www.issx.org/jssx-issx/registration

Depending on the agreements between the USA and your country, a visa may be required. Please check with your local embassy/consulate or travel agent to obtain information regarding visa requirements. To request a Letter of Invitation from JSSX/ISSX to help facilitate visa arrangements, please view the visa information page on the JSSX/ISSX web site at www.issx.org/visa.

MEETING ORGANIZING COMMITTEE

Eric Johnson (Meeting Co-Chair),
Scripps Research Institute

Tetsuya Terasaki (Meeting Co-Chair),
Tohoku University

Kan Chiba, *Chiba University*

Frank Gonzalez, *National Cancer Institute*

Natlie Hosea, *Pfizer Inc.*

Takashi Izumi, *Daiichi Sankyo Co., Ltd.*

R. Scott Obach, *Pfizer Inc.*

Paul Ortiz de Montellano,
University of California, San Francisco

Bill Smith, *Pfizer Inc., La Jolla Labs*

Hiroshi Suzuki,
University of Tokyo Hospital

Peter W. Swaan, *University of Maryland*

Mikihisa Takano, *Hiroshima University*

Ikumi Tamai, *Kanazawa University*

Toshio Teramura, *Astellas Pharma, Inc.*

Hiroshi Yamazaki,
Showa Pharmaceutical University

Xiao-bo Zhong, *University of Connecticut
School of Pharmacy*

MEETING-AT-A-GLANCE

SATURDAY, OCTOBER 18, 2014

JSSX President's Lecture
JSSX Awards Ceremony
JSSX Reception

SUNDAY, OCTOBER 19, 2014

Morning Short Courses
Afternoon Short Courses
Opening Remarks
Plenary Lectures
Opening Welcome Reception

MONDAY, OCTOBER 20, 2014

Industry-Sponsored Symposia
Morning Parallel Symposia
Exhibition
Posters Attended by Authors
Afternoon Parallel Symposia
Young Investigators Reception

TUESDAY, OCTOBER 21, 2014

Industry-Sponsored Symposia
Morning Parallel Symposia
Exhibition
Posters Attended by Authors
ISSX Awards Session
Afternoon Parallel Symposia
Posters Attended by Authors

WEDNESDAY, OCTOBER 22, 2014

Industry-Sponsored Symposia
Morning Parallel Symposia
Exhibition
Posters Attended by Authors
JSSX Awards Session
Short Presentations by Poster Finalists
Poster Awards Presentation
Social Event

THURSDAY, OCTOBER 23, 2014

Industry-Sponsored Symposia
Morning Parallel Symposia
Afternoon Parallel Symposia
Closing of Meeting



HOTEL

Hotel rooms have been reserved at the **Hilton San Francisco Union Square** at a special rate for JSSX/ISSX attendees. Located 14 miles from San Francisco International Airport (SFO), the hotel is easily accessible by airport shuttle, public transportation, taxi, and rental car. Visit www.issx.org/jssx-issx/hotel for more information.

- To obtain the special room rate of \$259 USD*, exclusive of sales and occupancy taxes, book online by Monday, September 15, 2014!
- If making reservations by phone at +1- (855) 786-4701, be sure to mention that you are a JSSX/ISSX attendee to obtain the special room rate.

*Rooms must be guaranteed with a deposit equal to one night's room and tax by money order, major credit card, or check. Reservation cancellations must be made in writing 48 hours prior to the arrival date. All deposits made on cancelled rooms will be refunded only if reservations are cancelled in writing 48 hours prior to the arrival date. JSSX/ISSX recommends making your room reservation as early as possible to ensure availability.

333 O-Farrell Street • San Francisco, CA 94102, USA

Central Reservations: (855) 786-4701

www.issx.org/jssx-issx/booking

TRAVEL



The city of **San Francisco** is served by two major airports, an extensive public transportation system, and many private taxi, ferry, and shuttle services. For a complete list of transportation options in and around San Francisco, visit www.sanfrancisco.travel/transportation.

San Francisco International Airport (SFO) offers nonstop flights to more than 74 cities in the US on 17 domestic airlines. Visit SFO online at www.flysfo.com for up-to-the-minute departure and arrival information, airport maps, and details on ground transportation and more.

Oakland International Airport (OAK) is served by most major US carriers, with more than 150 daily departures. Visit www.oaklandairport.com for details about ground transportation from OAK.

EXHIBITION INFORMATION

This meeting will feature an exhibition showcasing the products and services that researchers need to advance their work. The exhibition begins with the welcome reception on Sunday evening and continues throughout the meeting. Meet with representatives from top suppliers and maximize the value of your attendance!

Companies interested in exhibiting, sponsoring, or advertising should download the Exhibitor Prospectus at www.issx.org/jssx-issx/exhibit.

ABSTRACT SUBMISSION

Submit an abstract at www.issx.org/jssx-issx/abstracts. Present a poster in the general abstract poster sessions—General abstract sessions will be held Monday, October 20 – Wednesday, October 22 in the exhibit hall.

Compete in the student poster awards competition. Open to the categories of predoctoral and postdoctoral students, six finalists from each category will be chosen to present their posters. **The awards presentation will be held on Wednesday, October 22.**

This meeting also features an abstract-based session. Abstracts will be selected by the meeting organizers from the general abstract submissions.

At least one author must be a current ISSX member. Join or renew your ISSX membership at www.issx.org/membership. The deadline for Abstract Poster Presentation submissions and for Predoctoral and Postdoctoral Poster Awards Competition submissions is Friday, June 27, 2014 at 11:59 p.m., Eastern Time (US).

SCIENTIFIC PROGRAM As of April 11, 2014

SUNDAY AFTERNOON

16:45 - 19:00, October 19, 2014

Kim L. R. Brouwer, Pharm. D., Ph.D.
The University of North Carolina at Chapel Hill

Peter Turnbaugh, Ph.D., University of California San Francisco

MONDAY MORNING

09:00 - 11:30, October 20, 2014

Symposium 1: Humanized and Knockout Animal Models in PK Studies

Co-Chairs: Hiroshi Yamazaki, Showa Pharmaceutical University; Robert Tukey, University of California

Symposium 2: Cancer Biomarker Discovery

Co-Chairs: Sumio Ohtsuki, Kumamoto University; Frank Gonzalez, Center for Cancer Research, National Cancer Institute

MONDAY AFTERNOON

14:00 - 16:30, October 20, 2014

Symposium 3: Chronopharmacological Strategy for Drug Discovery and Evolution

Co-Chairs: Shigehiro Ohdo, Kyushu University; Damjana Rozman, University of Ljubljana

Symposium 4: Metabolomics in Drug Development and Drug Safety

Co-Chairs: Yoshiro Saito, National Institute of Health Sciences, Japan; Xiaochao Ma, University of Pittsburgh

TUESDAY MORNING

09:00 - 11:30, October 21, 2014

Symposium 5: Is Systems Biology a Powerful Tool to Explore/Understand the Mechanism of Action, Especially for Toxicity?

Co-Chairs: Hiroshi Suzuki, University of Tokyo; Ivan Rusyn, University of North Carolina

Symposium 6: From Understanding to Prediction: Opportunities and Challenges in Modeling Xenobiotic Metabolism and Disposition

Co-Chairs: Yasushi Yamazoe, Food Safety Commission Cabinet Office, Government of Japan; Paul Ortiz de Montellano, University of California

TUESDAY AFTERNOON

15:00 - 17:30, October 21, 2014

Symposium 7: New Strategies in the Human CNS Barriers Research: The Development of New CNS Drugs and Therapies for the CNS Disorders

Co-Chairs: Hiroyuki Kusuvara, University of Tokyo; Xingrong Liu, Genentech, Inc.

Symposium 8: Solving ADME/Tox Challenges in Drug Discovery

Co-Chairs: Toshiya Moriwaki, Takeda Pharmaceutical Company Limited; Cyrus Khojasteh, Genentech Inc.

WEDNESDAY MORNING

09:00 - 11:30, October 22, 2014

Symposium 9: Drug-drug Interactions: Novel Mechanisms and Advances in Prediction

Co-Chairs: Ikumi Tamai, Kanazawa University; Jane Kenny, Genentech, Inc.

Symposium 10: Translational PKPD Modeling & Simulation in Front Line of Drug Development

Co-Chairs: Ryosei Kawai, Daiichi Sankyo Co. Ltd.; Shinji Yamazaki, Pfizer Inc.

THURSDAY MORNING

09:00 - 11:30, October 23, 2014

Symposium 11: Personalized Drug Therapy: Promise and Challenge of a Genomics Approach

Co-Chairs: Miki Nakajima, Kanazawa University; Wolfgang Sadée, the Ohio State University

Symposium 12: Frontier of Antibody Engineering for Next-generation Therapeutics, Including ADCs: Opportunities and Challenges

Co-Chairs: Mauricio Leal, Pfizer; Masaki Ishigai, Chugai Pharmaceutical Co., Ltd.

THURSDAY AFTERNOON

12:30 - 15:00, October 23, 2014

Symposium 13: Modeling and Simulation of Drug Disposition and Pharmacodynamics in Specific Patient Populations

Co-Chairs: Shinichi Inoue, Daiichi Sankyo Co., Ltd.; J. Steven Leeder, Children's Mercy Hospital

Symposium 14: Post-Translational and Transcriptional Regulation of Transporters and Metabolism

Co-Chairs: Ichiro Ieiri, Kyushu University; Xiaobo Zhong, University of Connecticut

SHORT COURSE PROGRAM

SUNDAY MORNING

09:00 - 12:00, October 19, 2014

Short Course I: Prediction of Drug-drug Interactions and Regulatory Recommendations for Assessment

Co-Chairs: Chair: Shiew-Mei Huang, FDA; Takashi Izumi, Daiichi-Sankyo Co. Ltd.

Short Course II: Metabolite Biosynthesis and Quantitation by NMR Spectroscopy

Co-Chairs: Scott Obach, Pfizer Global Research and Development; Swapan Chowdhury, Takeda, Boston

SUNDAY AFTERNOON

13:00 - 16:00, October 19, 2014

Short Course III: Non-CYP Metabolism in Drug Discovery

Co-Chairs: Jeff Jones, Washington State University; Teruko Imai, Kumamoto University

Short Course IV: How to Maximize the Use of DMPK and Drug-Drug Interaction Data Available in the Literature and Regulatory Reviews During Clinical Development of New Chemical Entities

Co-Chairs: Yoshiyuki Shirasaka, Kanazawa University; Nina Isoherranen, University of Washington

WHY YOU SHOULD ATTEND

This meeting will bring together individuals who are actively working on drug/xenobiotic research in diverse fields including basic and clinical pharmacology and therapeutics, toxicology, oncology, endocrinology, physiology, biochemistry, medicinal chemistry, molecular and structural biology, and genetics. If you work in the fields of toxicology, pharmacy, or molecular biology or if you study xenobiotics, you can't afford to miss this meeting! By attending this meeting you will:

- Learn the latest information in this dynamic and specialized field through our short course program, a variety of scientific symposia on topical themes, and stimulating plenary sessions.
- Expand your knowledge of drug metabolism and disposition by learning from our outstanding faculty assembled from leading experts in the field.

REGISTER NOW AT
www.issx.org/jssx-issx/registration

- Gain recognition and feedback on your research by submitting an abstract and presenting a poster. All accepted abstracts will be printed in a special supplemental issue of *Drug Metabolism Reviews*. Students and postdocs may enter the poster competition and compete for prizes and recognition.

- Engage in substantive conversations with scientists from nations around the world.

- Visit with our exhibitors who will showcase products and services important to you in your research and development.

- Enjoy San Francisco, California—the centerpiece of the Bay Area, well-known for its hilly terrain, Victorian architecture, outstanding dining, scenic beauty, summer fog, and great ethnic and cultural diversity.