2023 September 25 (Mon.)　GRANSHIP (Shizuoka Convention and Arts Center)

	Room A 1F Medium Hall - Earth	Room B 11F Conference Hall - Winds	Room C 6F Reception Hall	Room D 10F Conference Room 1001-1&2	Room E 9F Conference Room 910	Room F 1F Main Hall - Ocean	Exhibition 1F Main Hall - Ocean
9:00							
9:30							
10:00			**Short Course Opening Ceremony** **Session 1** Target Protein Degrader (TPD)創薬への挑戦 Chairs: Harutoshi Kato, Kengo Watanabe SC1-1: Mikihiko Naito SC1-2: Yusuke Tominari SC1-3: Masaya Shimada				
10:30							
11:00							
11:30							
12:00		**Luncheon Seminar 2** 細胞内動態解析への挑戦、臓器から細胞レベルのイメージングへ Chair: Seiji Okuizumi Speaker: Kenji Nishikawa Speaker: Masataka Oitate Sponsored by KONICA MINOLTA REALM, INC.	**Luncheon Seminar 1** Host: Tatsuya Matsumi 肝細胞自身が産生する液性因子による肝機能の維持メカニズムについて Speaker: Yuji Ishida ヒト肝細胞キメラマウスを用いたヒト薬物動態予測の精緻化研究 Speaker: Taiji Miyake Sponsored by PhoenixBio				
12:30							
13:00			**Keynote Lecture** 血液脳関門通過の先端テクノロジー Chair: Kengo Watanabe Speaker: Takanori Yokota				
13:30							
14:00			**Session 2** 創薬モダリティーと評価モダリティーの交差点 Chairs: Masanori Nagata, Hideo Takakusa SC2-1: Mitsutoshi Setou SC2-2: Shunji Imai Chairs: Kouhei Kiyota, Masataka Oitate SC2-3: Rira Watanabe SC2-4: Syunsuke Yamamoto				
14:30							
15:00							
15:30							
16:00			**Session 3** Microphysiological Systems (MPS)の創薬実装 Chairs: Shinji Iwasaki, Takashi Ueno SC3-1: Norikazu Saiki SC3-2: Kaori Takama SC3-3: Tomoki Imaoka				
16:30							
17:00							
17:30			**Short Course Closing Ceremony**				
18:00	**Meeting Opening Ceremony** **Plenary lecture 1** An improved approach to P450 reaction phenotyping Chair: Kiyomi Ito Speaker: R. Scott Obach						
18:30							
19:00							
19:30						19:15-20:45 **Welcome reception** **1F Main Hall - Ocean**	

2023 September 26 (Tue.)　　GRANSHIP (Shizuoka Convention and Arts Center)

	Room A 1F Medium Hall - Earth	Room B 11F Conference Hall - Winds	Room C 6F Reception Hall	Room D 10F Conference Room 1001-1&2	Room E 9F Conference Room 910	Room F 1F Main Hall - Ocean	Exhibition 1F Main Hall - Ocean
9:00	**Symposium 1**	**Symposium 2**	**Symposium 3**	**Symposium 4**	**Symposium 5**	**Poster Set-up**	**Commercial Exhibition**
9:30	Regulation DIS Use and regulation of biomarkers in drug development Chair: Akihiro Ishiguro Chair: Kosuke Saito S01-1: Kosuke Saito S01-2: Hiroyuki Kusuhara S01-3: Ryosuke Watari S01-4: Akihiro Ishiguro S01-5: Yuchen Sun	JSSX-organized Asia-pacific symposium #1 Drug oxidation and metabolism in pharmacology/toxicology Chair: Hiroshi Yamazaki S02-1: Hiroshi Yamazaki S02-2: Donghak Kim S02-3: Yune-Fang Ueng S02-4: Verawan Uchaipichat S02-5: T. Thanga Mariappan	DDS DIS DDS Development Strategies for the Creation of Innovative Drugs Chair: Shigeru Kawakami Chair: Tatsuhiro Ishida S03-1: Hidefumi Mukai S03-2: Makiya Nishikawa S03-3: Hidenori Ando S03-4: Kazunori Shimizu S03-5: Hiroto Hatakeyama	ICCP450 Sustainability, biomarker, and bioremediation: The role of cytochrome P450 Chair: Hirofumi Ichinose Chair: Mayumi Ishizuka S04-1: Hisato Iwata S04-2: Hideyuki Inui S04-3: Li Ji S04-4: Elizabeth M.J. Gillam	ICCP450 Phase II conjugation reactions involved in the regulation of biologically active molecules Chair: Sinichi Ikushiro Chair: Katsuhisa Kurogi S05-1: Ming-Cheh Liu S05-2: Shin Yasuda S05-3: Mitsuki Kondo S05-4: Miyu Nishikawa		
11:00							
11:30						**Poster Presentation** !P-XXX	
12:00							
12:30	**Luncheon Seminar 1**	**Luncheon Seminar 2**	**Luncheon Seminar 3**	**Luncheon Seminar 4**		**JSSX BP Award Interview**	
13:00	Using plasma 6β-hydroxycortisol/cortisol ratio for minimally invasive CYP3A phenotyping and its application to drug-drug interaction Chair: Shinsuke Aoyama Speaker: Hiromi Shibasaki Sponsored by SEKISUI MEDICAL CO., LTD.	Evaluation of antisense oligonucleotides pharmacokinetic properties in mice using LC-MS/MS Chair: Naokazu Okamoto Speaker: Kayoko Kanemitsu Sponsored by K.K. AB SCIEX	New drug discovery screening methodology as multi-organ microphysiological system (MPS) Chair: Hiroyuki Shimizu Speaker: Yasufumi Wada Sponsored by Nihon Validation Technologies Corporation	Introduction of Label-free and Real-time Transporter Measurement System Chair: Masateru Miyake Speaker: Mitsuyoshi Shimane Sponsored by Nanion Technologies Japan K.K.		BP Award Finalist Viewing posters of participants during the interview is not permitted.	
13:30						**Poster Display**	
14:00	**Symposium 6** Regulation DIS Current trends in establishment and implementation of new regulatory guidelines related to pharmacokinetics Chair: Akiko Ishii-Watabe Chair: Naomi Nagai S06-1: Akiko Ishii-Watabe S06-2: Masayo Hashimoto S06-3: Mototsugu Ito S06-4: Ryosuke Kuribayashi S06-5: Tsuyoshi Kobayashi	**Symposium 7** JSSX-organized Asia-pacific symposium #2 Frontline Research for Membrane Proteins and Enzymes for Human Diseases Chair: Takeo Nakanishi Chair: Sunhapas Soodvilai S07-1: Soodvilai Sunhapas S07-2: Takahiro Ishimoto S07-3: Kyeong-Man Kim S07-4: Lushan Yu S07-5: Takeo Nakanishi	**Symposium 8** ICCP450 Beyond bone health: Development of novel vitamin D derivatives and vitamin D hydroxylases Chair: Toshiyuki Sakaki Chair: Midori Takimoto-Kamimura S08-1: Fumihiro Kawagoe S08-2: Kaori Yasuda S08-3: Rita Ruth Bernhardt S08-4: Yuu Hirano	**Symposium 9** ICCP450 Biophysical Techniques for P450 Studies Chair: Masaki Horitani Chair: Ilia G. Denisov S09-1: Ilia G. Denisov S09-2: Katsumasa Fujita S09-3: Masaki Horitani S09-4: Yoshitaka Bessho	**Symposium 10** MOC-JSSX Session Animal models to predict drug metabolism and toxicity in human Chair: Hiroshi Suemizu Chair: Kaoru Kobayashi S10-1: Hiroshi Suemizu S10-2: Chise Tateno S10-3: Yasuhiro Kazuki S10-4: Shuiying Hu		
14:30							
15:00							
15:30							
16:00	**Plenary symposium** Remembering Tsuneo Omura: A beloved mentor and a leader in cytochrome P450 and biochemistry Chair: Masahiko Negishi Chair: Yasushi Yamazoe PS1-1: F. Peter Guengerich PS1-2: Bon-Chu Chung PS1-3: Ulrich M. Zanger PS1-4: Rita Ruth Bernhardt PS1-5: Ken-ichirou Morohashi						
16:30							
17:00							
17:30							
18:00							
18:30							
19:00							
19:30							

2023 September 27 (Wed.)　GRANSHIP (Shizuoka Convention and Arts Center)

	Room A 1F Medium Hall - Earth	Room B 11F Conference Hall - Winds	Room C 6F Reception Hall	Room D 10F Conference Room 1001-1&2	Room E 9F Conference Room 910	Room F 1F Main Hall - Ocean	Exhibition 1F Main Hall - Ocean
9:00	**Symposium 11**	**Symposium 12**	**Symposium 13**	**Symposium 14**	**Selected Oral Presentation 1**	**Poster Display**	**Commercial Exhibition**
9:30	ICCP450 P450 Engineering Innovations in P450 Engineering: Recent Advances and Future Directions Chair: Osami Shoji Chair: Hidehiko Hirakawa S11-1: S11-2: Vlada B. Urlacher S11-3: Hidehiko Hirakawa S11-4: Thomas M. Makris	Drug Metabolism and Drug Induced Toxicity DIS Case study on human disproportionate metabolite and its prediction Chair: Satoshi Yamaori Chair: Daigo Asano S12-1: Daigo Asano S12-2: Shotaro Uehara S12-3: Kazutaka Sekiguchi S12-4: Hidetaka Kamimura	Drug Absorption DIS DRUG ABSORPTION FROM ZERO: Keys to Successful PBPK Modeling and Simulation of Oral Drug Absorption Chair: Yoshiyuki Shirasaka Chair: Toshimichi Nakamura S13-1: Yoshiyuki Shirasaka S13-2: Atsushi Kambayashi S13-3: Tatsuki Mochizuki S13-4: Satoshi Asano	ICCP450 Breaking down boundaries: Exploring non-P450 oxygenase Chair: Takeshi Uchida Chair: Masakazu Sugishima S14-1: Jonathan A. R. Worrall S14-2: Wei-Hau Chang S14-3: Lennart Brewitz S14-4: Masakazu Sugishima	Chair: Chair: SOP1-1: SOP1-2: SOP1-3: SOP1-4: SOP1-5: SOP1-6: SOP1-7:		
10:00							
10:30							
11:00		**Luncheon Seminar 5**	**Luncheon Seminar 6**	**Luncheon Seminar 7**			
11:30		Efforts to use and automate Organoid on a chip for more advanced prediction of biological functions in human body Chairs: Yoko Ejiri, Koji Udagawa Speakers: Yoko Ejiri, Koji Udagawa Sponsored by Mimetas Japan K.K./Molecular Devices Japan, LLC.	New technology to allow increased sensitivity and selectivity for the MS imaging of therapeutically relevant doses in drug development Speakers: Motoji Oshikata, Hiroko Iwasaki Sponsored by Nihon Waters K.K.	Successfully executing hAME studies – Insights and experiences from 500 studies Chair: Anthony Vo Speaker: John Kendrick Sponsored by Labcorp Laboratories Japan G.K.			
12:00							
12:30						**Poster Presentation**	
13:00						2P-XXX	
13:30						**Poster Display**	
14:00		**基礎教育コース**	**基礎教育コース**	**The predoctoral Researcher-Initiative Session（PRIS）2023**	**JSSX-sponsored event: Industry Networking Session for Young Researchers from Industries**		**Rapid Fire Talk**
14:30				Challenges of next-generation researchers to create knowledge and skills Chair: Takumi Sato Chair: Yoshiki Hashimoto PSY-EL: Yuu Miyauchi PSY-1: Ryo Nakamura PSY-2: Hiroki Sunakawa PSY-3: Takumi Tanaka PSY-4: Yasuhito Tsukushi PSY-5: Takumi Iwasaka PSY-6: Reiya Yamashita	Advance registration required, Language: Japanese only.		KONICA MINOLTA REALM Shin Nippon Biomedical Laboratories WuXi AppTec Japan KAC SOLVO Biotechnology Central Institute for Experimental Animals
15:00							
15:30							
16:00							
16:30							
17:00							
17:30							
18:00	18:00–20:00 **Banquet** **HOTEL GRAND HILLS SHIZUOKA 5F "Century Room"**						
18:30							
19:00							
19:30							

2023 September 28 (Thu.)　　GRANSHIP (Shizuoka Convention and Arts Center)

Room A
1F Medium Hall - Earth

Symposium 15
Drug Metabolism and Drug Induced Toxicity DIS

Frontiers of drug metabolism/toxicity studies using novel in vitro and in silico evaluation systems

Chair: Kousei Ito
Chair: Yoshiteru Kamiyama

S15-1: Ryuji Kato
S15-2: Akinori Takemura
S15-3: Kazuya Maeda
S15-4: Yoshiya Yamamura

Luncheon Seminar 8
Electronic laboratory notebook that promotes collaboration and utilization from accumulation of information

Speaker: Takayoshi Matsubara

Sponsored by Revvity Japan Co., Ltd.

Plenary lecture 2
Bile Acid Generating-Cytochrome P450 8B1: Structure/Function Towards Drug Design

Chair: Kouichi Yoshinari
Speaker: Emily E. Scott

Symposium 20
Modeling and Systems Pharmacology DIS

Comprehension of the present and future of systems modeling in drug discovery -Bridging from the traditional model analysis to the latest research-

Chair: Koji Chiba
S20-1: Teruki Hamada

Chairs: Chie Emoto, Tsuyoshi Minematsu
S20-2: Amin Rostami-Hodjegan

Chairs: Hiroyuki Sayama, Satoshi Nakayama
S20-3: Takashi Yoshikado

Chairs: Yoshinobu Nakamaru, Ryoko Sawamura
S20-4: Shinji Yamazaki

Chairs: Shinichi Kijima, Yuki Iwaki
S20-5: Wangda Zhou

Panel Discussion
Chairs: Koji Chiba, Teruki Hamada

Room B
11F Conference Hall - Winds

Symposium 16
ICCP450

Structure and Chemistry of the P450 System

Chair: Shingo Nagano
Chair: Emily E. Scott

S16-1: Shengying Li
S16-2: Andrew J. Devine
S16-3: Xiaoqiang Wang
S16-4: Satoshi Nagao

Luncheon Seminar 9
Introduction of 4D-omics for drug discovery and PK/PD studies

Speaker: Ryo Nakabayashi

Sponsored by Bruker Japan K.K.

Symposium 21
ICCP450

Mechanisms and Dynamics of P450

Chair: Takehiko Tosha
Chair: Yuma Morimoto

S21-1: Alec H. Follmer
S21-2: Michael T. Green
S21-3: Mitsuo Shoji
S21-4: Binju Wang
S21-5: Peter Moody

Room C
6F Reception Hall

Symposium 17
BioAnalysis and BioImaging DIS

Single-cell analytical techniques to visualize detailed pharmacokinetics

Chair: Hideo Takakusa
Chair: Kosuke Saito

S17-1: Hajime Mizuno
S17-2: Asami Toshima
S17-3: Yoshihiro Izumi
S17-4: Yuji Nashimoto
S17-5: Siyu Liu
S17-6: Natsuki Makiguchi

Luncheon Seminar 10
Enhancing Solubility and Achieving Sustained Release of Poorly Water-Soluble Compounds Utilizing the Novel Pharmaceutical Excipient SonanosTM (Hyaluronic Acid Nanogel)
Challenges in conducting DMPK studies in Japan and Solutions which Pharmaron can provide

Chair: Takushi Kanazu
Speakers: Takashi Nakai, Masaki Ishigai

Sponsored by Pharmaron Japan, LLC.

JSSX Award Ceremony

New JSSX President's Lecture
Chair:　　Speaker: Yukio Kato

JSSX Award Winners' Presentation

Room D
10F Conference Room 1001-1&2

Symposium 18
Transporter DIS

Future perspectives in transporter-driven drug development

Chair: Sumio Ohtsuki
Chair: Kazuya Maeda

S18-1: Yuji Sakurai
S18-2: Hiroshi Arakawa
S18-3: Yoshitane Nozaki
S18-4: Katsuhisa Inoue

Luncheon Seminar 11
To The Future of Microscopy Imaging

Chair: Shintaro Tanaka
Speakers: Syunsuke Yamamoto, Miyu Nakayama, Toshiyuki Hatano

Sponsored by Leica Microsystems, K.K.

Symposium 22
ICCP450

New Horizons in Nuclear Receptor Research: Novel Molecular Mechanisms and Beyond

Chair: Toshiyuki Sakaki
Chair: Masahiko Negishi

SY22-1: Ryota Shizu
SY22-2-1: Ryota Shizu, Kouichi Yoshinari
SY22-2-2: Hongbing Wang
SY22-3: Grace Guo
SY22-4: Naoki Harada
SY22-5: Taosheng Chen
SY22-6: Toshiyuki Sakaki

Room E
9F Conference Room 910

Symposium 19
ICCP450

Neonicotinoids and P450; metabolism of neonicotinoids in insects, fungi, vertebrates, and humans

Chair: Satoshi Yamaori
Chair: Hirofumi Ichinose

S19-1: Shinichi Banba
S19-2: Akiya Jouraku
S19-3: Hirofumi Hirai
S19-4: Mayumi Ishizuka, Shouta Nakayama, Yoshinori Ikenaka

Symposium 23
Educational and Crosscutting DIS

Basic course of pharmacokinetics on cross-disciplinary

Chair: Seigo Sanoh
Chair: Tomomi Furihata

S23-1: Kaoru Kobayashi
S23-2: Kazuya Maeda
S23-3: Takahiro Iwao
S23-4: Shimpei Terasaka
S23-5: Takanobu Matsuzaki

Room F
1F Main Hall - Ocean

Poster Display

Poster Presentation
3P-XXX

Poster Display

Exhibition
1F Main Hall - Ocean

Commercial Exhibition

2023 September 29 (Fri.)　　GRANSHIP (Shizuoka Convention and Arts Center)

	Room A 1F Medium Hall - Earth	Room B 11F Conference Hall - Winds	Room C 6F Reception Hall	Room D 10F Conference Room 1001-1&2	Room E 9F Conference Room 910	Room F 1F Main Hall - Ocean	Exhibition 1F Main Hall - Ocean
9:00	**Symposium 24**	**Symposium 25**	**Symposium 26**	**Symposium 27**	**Symposium 28**	**Poster Display**	**Commercial Exhibition**
	Microphysiological system and iPS DIS Recent trends in MPS development and its applications to drug discovery —What is happening towards industrial implementation and regulatory acceptance in Japan? — Chair: Hiroyuki Mizuguchi Chair: Hideki Hirabayashi S24-1: Shinji Iwasaki S24-2: Wataru Kishimoto S24-3: Seiichi Ishida S24-4: Takeshi Sakura S24-5: Yuki Yamamoto S24-6: Takashi Osaka	ICCP450 P450 Across Plant, Insect, and Microbial Systems Chair: Hirofumi Ichinose Chair: Masaharu Mizutani Chair: Toshiyuki Ohnishi S25-1: Max J. Cryle S25-2: Birger Lindberg Møller S25-3: Kentaro Itokawa S25-4: Harro J. Bouwmeester S25-5: Hirofumi Ichinose	ADMET and AI: What we can do now and what we need to do in the future. Chair: Kouichi Yoshinari Chair: Kenji Mizuguchi S26-1: Kenji Mizuguchi S26-2: Chunzhi Ai S26-3: Koichi Handa S26-4: Yui Migura	Drug Efficacy and Safety DIS Lymphatic and glymphatic system from the perspective of drug development and clinical therapeutics Chair: Masanori Tachikawa Chair: Yuki Kishino S27-1: Masanori Tachikawa S27-2: Tetsuya Kodama S27-3: Kaoru Yamada S27-4: Makoto Hirasawa S27-5: Syunsuke Yamamoto	ICCP450 The power of metalloenzymes: Insights from model complexes and beyond Chair: Hiroshi Fujii Chair: Wonwoo Nam S28-1: Hiroshi Fujii S28-2: Wonwoo Nam S28-3: Tsunehiko Higuchi S28-4: David P. Goldberg		
11:00							
11:30	**Plenary lecture 3** Biotransformation of Non-Native Substrates by Cytochrome P450s Utilizing Their Substrate Misrecognition Triggered by Decoy Molecules Chair: Shingo Nagano Speaker: Osami Shoji						
12:00							
12:30		**Luncheon Seminar 12** Pharmacokinetic Evaluation of New Modalities Chair: Takatoshi Nakamura Speaker: Yasuharu Nakanishi Sponsored by Shin Nippon Biomedical Laboratories, Ltd.					
13:00							
13:30							
14:00	**Symposium 29** New modality DIS Rising to the challenge: First-in-human dose determination of new therapeutic modalities Chair: Syunsuke Yamamoto Chair: Makiya Nishikawa S29-1: Kazushige Maki S29-2: Akihiko Goto S29-3: Miho Nagayasu S29-4: Tsuyoshi Karibe	**Symposium 30** ICCP450 Oxygenase in natural product biosynthesis Chair: Osami Shoji Chair: Takahiro Mori S30-1: Yudai Matsuda S30-2: Takahiro Mori S30-3: Shunji Takahashi S30-4: Takehiko Tosha Co-sponsored: "Forecasting Biosynthesis" in the JSPS Grant-in-Aid for Transformative Research Areas (A)	**Symposium 31** IQ Consortium Symposium Advance Technologies in DMPK Research for Drug Development Chair: Akihiro Hisaka Chair: Takeshi Tajima S31-1: Natalie A. Hosea S31-2: Surinder Kaur S31-3: Prashant Desai S31-4-1: Ryuta Saito S31-4-2: Kenichi Umehara S31-5: Tycho Heimbach	**Symposium 32** Drug Metabolism and Drug Induced Toxicity DIS Application of biomarkers for prediction of drug metabolism and toxicity, and diagnosis Chair: Seigo Sanoh Chair: Toru Usui S32-1: Ryousuke Kobayashi S32-2: Sumio Ohtsuki S32-3: Kosuke Saito S32-4: Koretsugu Ogata S32-5: Takafumi Akabane	**Selected Oral Presentation 2** Chair: Chair: SOP2-1: SOP2-2: SOP2-3: SOP2-4: SOP2-5: SOP2-6: SOP2-7:		
14:30							
15:00							
15:30							
16:00	**Awards ceremony and Closing**						
16:30							
17:00							
17:30							
18:00							
18:30							
19:00							
19:30							