

4TH ANNUAL CONFERENCE OF
SOCIETY FOR THE STUDY OF XENOBIOTICS (SSX), INDIA
19TH TO 21ST SEPTEMBER 2019

Day 1: 19 th September, 2019		
Time	Title of Presentation	Speaker, Organization
07:30-08:30	Registration and Breakfast	
08:30-08:45	Opening Remarks	T. Thanga Mariappan , <i>President- SSX, India</i> <i>BBRC, Syngene International Ltd., India.</i>
08:45-08:50	SSX Logo Unveiling	Vinay H.K. , <i>Secretary- SSX, India</i> <i>BBRC, Syngene International Ltd., India</i>
08:50-09:00	Conference Inauguration:	Lois.Lehman-McKeeman (<i>BMS, USA</i>), Jasminder Sahi (<i>Sanofi, China</i>), Bill Smith (<i>Gilead, USA</i>), Yuichi Sugiyama (<i>RIKEN, Japan</i>) Utpal Tatu (<i>IISc, India</i>) T. Thanga Mariappan (<i>SSX, India</i>)
09:00-09:45	Plenary Lecture 1: Quantitative prediction of the hepatic clearance and complex drug interactions using extended clearance concept and PBPK with in vitro transporter/enzyme data	Yuichi Sugiyama , <i>RIKEN, Japan</i> Co-chair: Jasminder Sahi , <i>Sanofi, China</i>
SESSION 1: DRUG METABOLISM AND DDI Co-Chairs: Bill Smith , <i>Gilead, USA</i> , Rama Sivasubramanian , <i>Novartis, India</i>		
09:45-10:20	Solving Biotransformation Challenges: Beyond P450 enzymes	Cyrus Khojasteh , <i>Genentech USA</i>
10:20-10:40	Group Photo	
10:40-11:00	Tea Break	
11:00-11:35	Ocular Drug Metabolism	Upendra Argikar , <i>Novartis, USA</i>
11:35-12:10	The Constitutive Androstane Receptor (CAR) and Enzyme Induction	Mike Sinz , <i>BMS, USA</i>
12:10-12:25	Sponsor Talk – I (Solvo)	
12:25-12:40	Sponsor Talk -II (Syngene) ADME driven clinical candidate optimization in integrated drug discovery: Case studies from Syngene	Vishwottam Kandikere , <i>Syngene International Ltd., India</i>
12:40-12:50	Young Investigator Presentation-I: Predictive analysis of the intestinal bioavailability using in-house built mechanistic oral absorption model	Aarzo Thakur , <i>NIPER- Mohali, India</i>
12:50-13:00	Young Investigator Presentation-II: In vitro evaluation of metabolic drug interaction potential of novel DNA ligase I inhibitor, S012-1332 through CYP phenotyping, inhibition and induction studies.	Mohammed Riyazuddin , <i>CDRI, Lucknow, India</i>
13:00-13:15	Panel Discussion	
13:15-14:00	Lunch	
14:00-15:00	Poster Session (Posters 1 to 40)	

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SESSION 2: DRUG TRANSPORTERS AND DISPOSITION		
Co-chairs: Yuichi Sugiyama, RIKEN, Japan Sagnik Chatterjee, BBRC, Syngene International Ltd., India		
15:00-15:35	Confidence in Translation: A case study of a complex human PK prediction of an integrin antagonist	Bill Smith, Gilead, USA
15:35-16:10	Interplay of efflux transport and metabolism: Is one more important than another in enterohepatic recycling of drugs?	Bhagwat Prasad, Washington State University, USA
16:10-16:25	Tea Break	
16:25-16:55	3D Spheroid Models for In Vitro Toxicity Testing	Roxana Ghadessy, Corning Life Sciences, Singapore
16:55-17:30	Characterization of hepatobiliary transport of a bile acid and organic anions in vitro to identify the rate-determining process; Use of doubly transfected cell line systems	Sumito Ito, Genomembrane
17:30-17:45	Sponsor Talk-III Microflow Data Update and Overview of the Echo MS System	Rolf Kern, AB Sciex
17:45-18:05	Panel Discussion	
18:05-18:20	Reception (by Invitation only); assemble at the entrance of JN Tata Auditorium	
18:20-18:50	Travel to Courtyard by Marriott	
19:00-21:00	Reception at Courtyard by Marriott, Hebbal	

Day 2: 20th September, 2019		
08:00-08:45	Breakfast	
08:45-09:30	Plenary Lecture 2 Toxicology in Drug Discovery and Development: Methods, Models and Mechanisms	Lois.Lehman-McKeeman, BMS, USA Co-Chair: Sandhya Mandlekar, BBRC, India

Session sponsored by GVK Bio, Hyderabad		
SESSION 3: TOXICOLOGICAL ISSUES ENCOUNTERED IN DRUG DISCOVERY AND DEVELOPMENT		
Co-Chairs: Lois.Lehman-McKeeman, BMS, USA Anandi Karumbati, CCBT, inStem, India		
09:30-10:05	Ecotoxicological Modeling of Contaminants of Emerging Concern (CECs) Using Quantitative Structure-Activity Relationship (QSAR) Approaches: A Few Case Studies	Kunal Roy, Jadavpur University, India
10:05-10:40	Novel Developmental And Reproductive Toxicity Methods	Kesava Cuddapah, Curio Biotech, Switzerland
10:40-11:00	Tea Break	

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11:00-11:35	Xenobiotic compounds: How it modifies glucose milieu?	Ramasamy Subbiah , <i>Madurai Kamaraj University, India</i>		
11:35-11:45	Young investigator presentation-III Mechanism-based PBPK modeling of pemaifibrate to describe drug-drug interactions with cyclosporine and rifampicin	Ji Eun Park , <i>Sugiyama Laboratory, Japan</i>		
11:45-12:05	Sponsor Talk-IV Drug Polymorphism: Impact on Pharmacokinetics	Pratima Srivastava , <i>GVK Bio, Hyderabad, India</i>		
12:05-12:20	Panel Discussion			
12:20-13:00	Lunch			
13:00-14:00	Poster Session (Posters 41 to 80)			
PARALLEL SESSIONS				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p style="text-align: center;">SESSION 4: MODELLING AND SIMULATION Co-Chairs: Surulivel Rajan, <i>Manipal University, India</i> Manasa Deepa, <i>East West College of Pharmacy, Bangalore</i></p> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p style="text-align: center;">SESSION 5: NEW TOOLS/TECHNOLOGIES Co-Chairs: Vamsi Madugula, <i>Syngene International Ltd, India</i> Amol Raje, <i>Eurofins, Bangalore</i></p> </td> </tr> </table>			<p style="text-align: center;">SESSION 4: MODELLING AND SIMULATION Co-Chairs: Surulivel Rajan, <i>Manipal University, India</i> Manasa Deepa, <i>East West College of Pharmacy, Bangalore</i></p>	<p style="text-align: center;">SESSION 5: NEW TOOLS/TECHNOLOGIES Co-Chairs: Vamsi Madugula, <i>Syngene International Ltd, India</i> Amol Raje, <i>Eurofins, Bangalore</i></p>
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Seminar Hall A	Main Auditorium			
14:00-14:35	Pharmacometrics as a decision making toolkit in drug development and clinical therapeutics Vijay Ivaturi , <i>University of Maryland, USA</i>	Novel hepatic and enteric experimental systems for the evaluation of drug metabolism, drug-drug interactions, and drug toxicity Albert Li , <i>In Vitro ADMET, USA</i>		
14:35-15:10	Drug Metabolites as Inhibitors: Translation to the Clinic Using Modeling and Simulation Jan Wahlstrom , <i>Amgen, USA</i>	HepaRG® : In vitro tool to study Drug Metabolism and Hepatotoxicity in the Pharmaceutical Industry Ashwani Sharma , <i>Biopredic, France</i>		
15:10-15:45	Pharmacokinetic guided drug discovery and development Rabi Bhatta , <i>CDRI, India</i>	Characterization of Metabolizing Enzymes in Human Skin and Reconstructed Human Skin Models from SkinEthic™ Joan Eilstein , <i>Loreal, India</i>		
15:45-16:00	Tea Break			
6: SPECIAL SESSION FOR STUDENTS				
<p style="text-align: center;">Co-Chairs: Arti Thakkar, <i>Amity University, India</i> Anoop Kumar, <i>BBRC, Syngene International Ltd., India</i></p>				
16:00-16:40	New Drug Discovery & Development in the Era of 4th Industrial Revolution: Excitement, Opportunities and Challenges	Prof. Ramesh K. Goyal , <i>Vice Chancellor, DPSRU, India</i> Introduction: Vinay H.K. , <i>Syngene International Ltd., India</i>		
16:40-17:15	Special Panel Discussion for Students	Moderators: Arti Thakkar and Sandhya Subhash		
17:15-18:15	Program by Students from East West College of Pharmacy, Bangalore	Moderator: Manasa Deepa		
18:15-18:45	DJ			
18:45-19:15	High Tea / Networking			

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Day 3: 21 st September, 2019		
SESSION 7: CASE STUDIES IN DRUG DISCOVERY		
Co-chairs: Jasminder Sahi, Sanofi, China Vinay HK, BBRC, Syngene International Ltd., India		
Time	Title of Presentation	Speaker, Organization
08:00-08:45	Breakfast	
08:45-09:20	"When you come to a fork in the road, take it" my experiences as a DMPK scientist turned entrepreneur (Webinar)	Narayanan Surendran, <i>RythRx Therapeutics LLC, USA</i>
09:20-09:55	Contribution of Xenobiotic Transporters to Drug Disposition – Regulatory Case Studies	Jasminder Sahi, Sanofi, China
09:55-10:30	GS-6207: A Novel, Potent and Selective First-In-Class Inhibitor of HIV1 Capsid Function Displays Long Acting Pharmacokinetics and Antiviral Activity in Human	Raju Subramanian, Gilead Sciences, USA
10:30-10:45	Tea Break	
10:45-11:20	Discovery of a novel antibacterial agent to combat Anti-microbial resistance	V. Balasubramanian, Bugworks, Bangalore
11:20-11:30	Sponsor Talk-V Protein affinity, stability and quality analysis using microScale thermophoresis (MST), nanoDSF and Tycho technology	Sivaramaiah Nallapeta, <i>NanoTemper Technologies India</i>
11:30-11:40	Young Investigator Presentation-IV Development of a non-invasive medical device for blood glucose monitoring	Sumedha SK, <i>M.S.Ramaiah University of Applied Sciences, India</i>
11:40-11:50	Young Investigator Presentation-V Intra-organ drug targeting using aptamer-conjugated nanoliposomes to precise hepatocellular carcinoma treatment.	Moumita Dhara, <i>Jadavpur University, India</i>
11:50-12:10	Panel discussion	
CLOSING SESSION		
12:10-12:25	Mementoes to Sponsors and raffle card winners announcement – Deepika Dhaware and Sakthi Devan	T. Thanga Mariappan and Jasminder Sahi
12:25-12:35	Mementoes to participating Institutions with more than 5 attendees – Deepika Dhaware	Vinay H.K. and Bhagwat Prasad
12:35-12:45	Best Poster (3 awards) and Oral presentation Awards (2 awards) – Abstract committee members	V. Balasubramanian, Bugworks, Bangalore
12:45-13:00	Vote of Thanks	Vinay H.K, Secretary, SSX, India <i>BBRC, Syngene International Ltd., India</i>
13:00-14:30	Lunch	