<table>
<thead>
<tr>
<th>Date</th>
<th>Room/Activity</th>
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</table>
| 1-3-2010 | Marriott Convention Center  
 Opening Ceremony: 8:00 - 09:00  
 Keynote Forum: 9:00 - 12:15  
 Group Photo: 12:00 - 12:30  
 Lunch: 12:30 - 13:00  
 (Track 1-1; 1-2): 13:00 - 18:00  
 Track 1-1: Bioequivalence Strategies in Development-an Industry Perspective  
 Track 1-2: Comparative Bioavailability Studies for New Drugs (NDA)  
 Sapphire Ball Room-1  
 Exhibition: 9:00 - 18:00  
 Sapphire Ball Room-2  
 (Track 1-3; 1-4): 13:00 - 16:30  
 Track 1-3: Comparative Bioavailability Generic Drug Products (ANDA): Bioequivalence Studies  
 Track 1-4: Implementing BA/BE Guidelines and CRO Qualification Criteria  
 Ball Room-2/Convention Centre  
 Cultural Activities (Bhartanatyam): 18:00 - 19:30 |
| 2-3-2010 | Sapphire Ball Room-1  
 Exhibition & Poster Presentations: 9:00 - 18:00  
 Sapphire Ball Room-2  
 (Track 2-1; 2-3): 8:30 - 11:30  
 Track 2-1: Human/Animal Models in Oral Drug Absorption  
 Track 2-3: Biosimulation in BE Studies-Prediction Tools  
 Poster Presentation + Lunch: 11:30 - 13:00  
 (Track 2-2; 2-4): 13:00 - 16:00  
 Track 2-2: Biosimilars and Biowaivers  
 Track 2-4: Statistical Issues in BA/BE  
 Poster Presentation: 16:00 - 18:00  
 Sapphire Ball Room-3  
 (Track 2-5; 3-1; 3-3): 8:30 - 12:30  
 Track 2-5: In Vivo/In Vitro Methods to Determine Bioavailability  
 Track 3-1: Advances in Mass Spectrometry Methodology Development  
 Track 3-3: Drugs Acting on Central Nervous Systems  
 Poster Presentation + Lunch: 12:30 - 13:00  
 (Track 3-2; 3-4): 13:00 - 17:30  
 Track 3-2: Antiviral, Anti Retroviral, Antibacterial and Anti Fungal Drugs  
 Track 3-4: Anticancer/Anti-Neovascular Drugs  
 Poster Presentation: 17:30 - 18:00  
 Emerald  
 (Track 2-6): 8:00 - 10:30  
 Track 2-6: Role of Drug Delivery Systems in Bioequivalence and Bioavailability  
 Poster Presentation + Lunch: 10:30 - 13:00  
 (Track 4-1; 4-2): 13:00 - 15:45  
 Track 4-1: ICH/FDA Guidelines and Regulatory Updates  
 Track 4-2: Perspectives of Regulatory Agencies, Worldwide, on Bioequivalence Testing  
 Poster Presentation: 15:45 - 18:00 |
| 3-3-2010 | Sapphire Ball Room-1  
 Exhibition & Poster Presentations: 9:00 - 18:00  
 Sapphire Ball Room-2  
 (Track 5-3; 6-1): 8:30 - 11:15  
 Track 5-3: Environmental Toxicology  
 Track 6-1: Anticancer, Antiviral Drug Development  
 Poster Presentation + Lunch: 11:15 - 13:00  
 (Track 5-4; 6-2): 13:00 - 16:15  
 Track 5-4: Molecular Epidemiology  
 Track 6-2: Molecular Drug Targets and Fragment based Drug Design  
 Poster Presentation: 16:15 - 18:00  
 Emerald  
 (Track 6-3; 7-1): 8:30 - 11:30  
 Track 6-3: Improving ADME/DMPK Profile  
 Track 7-1: Influence of Disease on Bioavailability  
 Poster Presentation + Lunch: 11:30 - 13:00  
 (Track 6-4; 6-5): 13:00 - 16:15  
 Track 6-4: PK/PD and Bioanalysis Outsourcing Alliance  
 Track 6-5: Road Map to Drug Discovery and Development  
 Poster Presentation: 16:15 - 18:00  
 Sapphire Ball Room-3  
 (Track 7-3): 8:30 - 9:45  
 Track 7-3: The Role of Intestinal Metabolism on Bioavailability  
 Poster Presentation + Lunch: 9:45 - 13:00  
 (Track-7-2; 7-4): 13:00 - 18:00  
 Track 7-2: Factors Influencing Bioavailability and Bioequivalence  
 Track 7-4: In Vitro Methods to Determine Bioavailability & In Vitro-In Vivo Correlations |
1-3-2010
Marriott Convention Center

**Opening Ceremony**
8:00 - 8:10  Group Photo-1/Prayer
8:20 - 8:30  Chair’s Opening Remark
8:30 - 9:00  VIP’s Address

**Keynote Forum**
9:00 - 9:10  Session Introduction
9:10 - 9:35  Title: Challenges in BE Requirements for Certain Class / Types of Drug Products
Dr. Vinod P. Shah, Pharmaceutical Consultant, Documentary Standards Division, US Pharmacopeia, 12601 Twinbrook Parkway, Rockville, MD, USA.

9:35 - 10:00  Title: Scientific and Regulatory Challenges of Bioavailability/Bioequivalence in the 21st Century
Dr. Mansoor A. Khan, Director, Division of Product Quality Research, FDA/CDER/OPS/OTR, White Oak, LS Building 64, Room 1070, 10903 New Hampshire Ave, Silver Spring, MD, USA.

10:00 - 10:25  Title: Anti-angiogenesis Therapy: Past, Present and Future
Prof. Debabrata Mukhopadhyay, Department of Biochemistry and Molecular Biology, Mayo Clinic School of Medicine, Guggenheim 1401A, 200 First Street Southwest, Rochester, MN 55905, USA.

10:25 - 10:35  Coffee Break
10:35 - 11:00  Title: Critical Pathway Initiative of Generic Drug Development
Dr. Shivprakash Rathnam, Managing Director, Synchron Research Services Pvt. Ltd., Ahmadabad, India.

11:00 - 11:25  Title: Optimizing Systemic Exposure in Preclinical Species and Humans: Practical Strategies and Learnings for Discovery and Development
Dr. Tycho Heimbach, Novartis Institutes for BioMedical Research, DMPK - Translational Sciences (TS), USEH, 436/3253, One Health Plaza, East Hanover, NJ 07936-1080, USA.

11:25 - 11:50  Title: Challenges Encountered in the Conduction of Bioequivalence Studies of Some Drug Products
Dr. Najib M. Najib, Professor of Pharmaceutics, Chairman, International Pharmaceutical Research Center (IPRC), 1 Queen Rania Street - Sport City Circle, P.O. Box 963166, Amman 11196, Jordan.

11:50 - 12:15  Title: On Modeling Methods and Predictability of In-Vitro-In-Vivo Correlation (IVIVC) of Oral Controlled Release Products
Dr. Bhaswat S. Chakraborty, Sr. Vice President, R&D, Cadila Pharmaceuticals, India.

12:15 - 12:30  Group Photo-2
12:30 - 13:00  Lunch Break

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**Track 1-1: Bioequivalence Strategies in Development—an Industry Perspective**

13:00 - 13:05  Session Introduction

13:05 - 13:30  Title: Recent Advances in the Evaluation of Bioequivalence
Dr. Sam H. Haidar, Lead Pharmacologist, Office of Generic Drugs, Food and Drug Administration, Rockville, Maryland, USA.

13:30 - 13:55  Title: Bioequivalence Testing - Industry Perspective
Dr. A.T. Bapuji, Vice president, Clinical Pharmacology Department, APL Research Centre, Aurobindo Pharma Ltd., Hyderabad, India.

13:55 - 14:20  Title: Current Strategies for the Bioequivalence Assessment of Topical Dermatological Dosage Forms
Dr. Isadore Kanfer, Emeritus Professor, Faculty of Pharmacy, Rhodes University, Grahamstown, South Africa.

14:20 - 14:45  Title: Quick Assay of Pathogenic Bacteria in Kidney Infection using Gold Nano-Biosensors
Dr. Subhash C. Basu, University of Notre Dame, Notre Dame, Indiana 46556, Department of Chemistry and Biochemistry, USA.

14:45 - 15:10  Title: TBD
Dr. Ethan M. Stier, R.Ph., PhD, Division of Bioequivalence II, Office of Generic Drugs, Food and Drug Administration Rockville, MD 20855, USA.

15:10 - 15:20  Coffee Break

15:20 - 15:45  Title: Challenges in Conducting BA/BE Assessments During Clinical Development of Oncology Drugs
Dr. Rajendra S Pradhan, Director, Clinical Pharmacokinetics and Pharmacodynamics, Clinical Pharmacology and Pharmacometrics, Abbott labs, Abbott Park, IL, USA.

15:45 - 16:10  Title: TBD
Dr. V. Venkateswarlu, Dr. Reddy’s Laboratories, India.
16:10 - 16:35  Title: Evaluating Effect of Self-Microemulsifying Drug Delivery Formulation and Concomitant Administration of Piperine on Bioavailability of Sulpiride, a P-gp Substrate and BCS Class IV Drug
Dr. Peh Kok Khiang, School of Pharmaceutical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia.

16:35 - 17:00  Title: In-Vitro and In-Vivo Evaluation of Microprocessor Controlled Iontophoretic Transdermal Drug Delivery of Anti-Cancer Drugs
Dr. Chandrashekar NS, Al-Ameen College of Pharmacy, Near Lalbagh Main Gate, Hosur Road, Bangalore-560027, India.

17:25 - 18:00  Panel Discussion

Sapphire Ball Room-2

(Track 1-3; 1-4)
Track 1-3: Comparative Bioavailability Generic Drug Products (ANDA): Bioequivalence Studies
Track 1-4: Implementing BA/BE Guidelines and CRO Qualification Criteria
13:00 - 13:05  Session Introduction

13:05 - 13:30  Title: Pharmaceutical Cocrystals to Modify Physico-Chemical and Dissolution Profile of APIs
Dr. Ashwini Nangia, School of Chemistry, University of Hyderabad, Hyderabad 500 046, India.

13:30 - 13:55  Title: Synthesis of Novel Heterocyclic Compounds for Induction of Apoptosis in Human Leukemia Cells
Prof. K.S. Rangappa, Vice-Chancellor, Karnataka State Open University(KSOU), Manasagangotri, Mysore-570 006, India.

13:55 - 14:20  Title: Challenges in the Design of Comparative Bioavailability Studies – An Industry Perspective
Dr. Siddarth S. Chachad, Medical & Safety Expert (Regulatory Affairs), Cipla Ltd., India.

14:20 - 14:45  Title: Bioequivalence Strategies for Oncology Products
Dr. Shivprakash Rathnam, Managing Director, Synchron Research Services Pvt. Ltd., Ahmadabad, India.

14:45 - 15:10  Title: Bioavailability and Bioequivalence Studies of Citric Acid and Malonic Acid Based Aspirin Effervescent Tablets
Dr. Sanjita Das, Head, Department of Pharmaceutical Technology, Noida Institute of Engg & Tech, Greater Noida, India.

15:10 - 15:20  Coffee Break

15:20 - 15:45  Title: Effect of Replicate Design on Drug Variability and Bioequivalence in Humans
Dr. Naji M. Najib, Professor of Pharmaceutics, Chairman, International Pharmaceutical Research Center (IPRC), 1 Queen Rania Street - Sport City Circle, P.O. Box 963166, Amman 11196, Jordan.

15:45 - 16:10  Title: Enhancement of Oral Bioavailability of Insulin in Humans
Dr. Nasir M. Idkaidek, College of Pharmacy & Medical Sciences, University of Petra, Amman, Jordan.

16:10 - 16:30  Panel Discussion

Sapphire Ball Room-2

(Track 2-1;2-3)
Track 2-1: Human/Animal Models in Oral Drug Absorption
Track 2-3: Biosimulation in BE Studies-Prediction Tools
8:30 - 8:35  Session Introduction

8:35 - 9:00  Title: Bioavailability Enhancement of Ropinirole by Using Nanoemulsion Based System
Dr. Sushama Talegaonkar, Department of Pharmaceutics, Faculty of Pharmacy, Jamia Hamdard, New Delhi-110062, India.

9:00 - 9:25  Title: The Importance of the Human Placenta Ex Vivo Perfusion Model in the Drug Development for Human Pregnancy
Dr. Antoine Malek, University Hospital Zurich, Department of Obstetrics, Research Division, Frauenklinikstr. 10, 8091 Zurich, Switzerland.

9:25 - 9:50  Title: Enhancement of Oral Bioavailability of Insulin in Humans
Dr. Nasir M. Idkaidek, College of Pharmacy & Medical Sciences, University of Petra, Amman, Jordan.

9:50 - 10:15  Title: In-Silico Selection of Natural Anti-leukaemia Compounds
Prof. Hanu A. El-Shemy, Director of Biotechnology Labs, FARP, Biochemistry and Molecular Biology, Biochemistry Department, Faculty of Agriculture, Cairo University, 12613 Giza, Egypt.

10:15 - 10:25  Coffee Break

10:25 - 10:50  Title: In Silico Adme Prediction Using QSAR Studies
Dr. Yash Paul Singla, Principal, Lord Shiva College of Pharmacy, P.B. No.63, Near Civil Hospital, Sirsa-125055, Haryana, India.
10:50 - 11:15  Title: Biomarkers in Neurotoxicity  
Dr. Sadhana Sathaye, Reader in Pharmacy, Dept. of Pharm. Sci. and Tech., Institute of Chemical Technology, Matunga, Mumbai, India.

11:15 - 11:30  Panel Discussion

11:30 - 13:00  Poster presentation + Lunch

(Track 2-2; 2-4)  
Track 2-2: Biosimilars and Biowaivers  
Track 2-4: Statistical Issues in BA/BE

13:00 - 13:05  Session Introduction

13:05 - 13:30  Title: Biosimilar Products Selection: Challenges for Clinicians  
Dr. Khalid Alkharfy, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

13:30 - 13:55  Title: Drug Delivery in Pregnancy: Transport of Nanoparticles Across the Human Placenta and Fetal Exposure  
Dr. Antoine Malek, University Hospital Zurich, Department of Obstetrics, Research Division, Frauenklinikstr. 10, 8091 Zurich, Switzerland.

13:55 - 14:20  Title: European Regulations in the Context of Biosimilars  

14:20 - 14:45  Title: Nanosuspensions for Improved Drug Bioavailability and Targeted Drug Delivery  
Prof. Kamalinder K. Singh, Principal(Addl. Charge), C.U.Shah College Of Pharmacy, SNDT Women’s University, Santacruz (West), Mumbai - 400049, India.

14:45 - 14:55  Coffee Break

14:55 - 15:20  Title: Bioequivalence Methods for Assessment of Highly Variable Drug – ABE, SABE, PBE and IBE  
Prof. Kwang-il Kwon, College of Pharmacy, Chungnam National University, Daejeon, Korea.

15:20 - 15:45  Title: The Application of Bayesian/Frequentist Analysis in Bioequivalence/Bioavailability Studies  
Ms. Ying Grace Li, Project Statistician, Statistics-AI/ MSK/ CC/ CV, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285, USA.

15:45 - 16:10  Title: Sparse Sampling Strategies in Pharmacokinetics and Bioequivalence  
Dr. Shubha Rani, Technical Director & Head - Biometrics and Data Management, Synchron Research Services Pvt. Ltd., 'The chambers', 3rd Floor, Bodakdev, SG Highway, Ahmedabad, India.

16:10 - 16:25  Panel Discussion

16:25 - 18:00  Poster presentation

Sapphire Ball Room-3

(Track 2-5; 3-1; 3-3)  
Track 2-5: In Vivo/In Vitro Methods to Determine Bioavailability  
Track 3-1: Advances in Mass Spectrometry Methodology Development  
Track 3-3: Drugs Acting on Central Nervous Systems

8:30 - 8:35  Session Introduction

8:35 - 9:00  Title: Average, Individual and Population Bioequivalence – Understanding the True Variability of a Product  
Dr. Bhaswat S. Chakraborty, Sr. Vice President, R&D, Cadila Pharmaceuticals, India.

9:00 - 9:25  Title: Quantitation of Alpha Amyrin in Scoparia dulcis L. Whole Plant Extract by High Performance Liquid Chromatography  
Dr. Kishore Kumar Kadimpati, Dept. Of Plant Sciences, School of Life Sciences, University of Hyderabad, Gochibowli, Hyderabad, India.

9:25 - 9:50  Title: Application of Dermal Microdialysis for the Determination of Bioavailability/Bioequivalence of Topical Drug Products Not Intended for Systemic Circulation  
Dr. Isadore Kanfer, Emeritus Professor, Faculty of Pharmacy, Rhodes University, Grahamstown, South Africa.

9:50 - 10:00  Coffee Break

10:00 - 10:25  Title: Recent Developments in Bioanalytical Method Validation Requirements for Mass Spectrometric Methods  
Dr. S. Ravisankar, PhD, MBA, Director, Quality Assurance, Clinical Development, GVK Biosciences Pvt Ltd, India.

10:25 - 10:50  Title: TBD  
Dr. Ajit Srivastava, Business Manager - LCMS, Agilent Technologies India Pvt. Ltd., Plot No 10, Udyog Vihar, Phase IV, Gurgaon – 122016, India.

10:50 - 11:15  Title: Bioanalytical Method Transfer: Challenges and Recent Developments  
Dr. Yarramraju Sitaramaraju, Associate director, Clinical Development, Aizant Drug Research Solutions P. Ltd., Hyderabad, India.
11:15 - 11:40  
**Title**: Bioanalytical Method Development of the Metabolite 3-desmethylthiocolchicine in Human Plasma by LC-MS/MS  
**Dr. Sangita Agarwal**, Women Scientist-DST, Dept. of Pharm. Tech., Jadavpur University, Kolkata, India.

11:40 - 12:05  
**Title**: Codeine and Breastfeeding, What are the Latest Data in Pharmacovigilance and EMEA Regulation  

12:05 - 12:30  
Panel Discussion

12:30 - 13:00  
**Poster presentation + Lunch**

(Track 3-2; 3-4)

**Track 3-2: Antiviral, Anti Retroviral, Antibacterial and Anti Fungal Drugs**

**Track 3-4: Anticancer/Anti-Neovascular Drugs**

13:00 - 13:05  
Session Introduction

13:05 - 13:30  
**Title**: Protection against Seasonal and Avian Influenza Virus Infections Using Nucleic Acid-Based Antiviral Agents  
**Dr. Jonathan P. Wong**, Defence Scientist, Defence Research and Development Canada, Suffield, CP 4000, Succ. Main, Medicine Hat, Alberta, Canada.

13:30 - 13:55  
**Title**: Biochemical and Biological Studies on Salt Stressed Spirulina Platensis  
**Dr. Emad A. Shalaby**, Biochemistry Department, Faculty of Agriculture and Botany Department, Faculty of Science, Cairo University, Giza, Egypt.

13:55 - 14:20  
**Title**: Standardization of Herbal Drug Preparations using LC-MS  
**Dr. Jawahar Lal**, Scientist E-II, Pharmacokinetics & Metabolism Division, Central Drug Research Institute, CSIR, Lucknow, India.

14:20 - 14:30  
Coffee Break

14:30 - 14:55  
**Title**: Design of New Drug Molecules to be Used in Reversing Multidrug Resistance in Cancer Cells  
**Prof. Mayur Yergeri**, Department of Medicinal Chemistry, V.L. College of Pharmacy, Raichur, India.

14:55 - 15:20  
**Title**: Signaling Mechanisms of Endogenous Anti-cancer Molecules Derived From Extra Cellular Matrix Type IV Collagen  
**Dr. Sudhakar Akulapalli**, Creighton University Medical Center and University of Nebraska Medical Center, Director & Coordinator: Cell Signaling and Tumor Angiogenesis Laboratory, Boys Town National Research Hospital, Omaha, USA.

15:20 - 15:45  
**Title**: Expanding Applications for Use of Biologically Modified Nanoparticles in Cancer Research  
**Dr. Eric Michael Bratsolias Brown**, Assistant Professor, Department of Biological Sciences, University of Wisconsin-Whitewater, Upham Hall, 800 W. Main St., Whitewater, WI 53190, USA.

15:45 - 16:10  
**Title**: Imatinib Resistance in Chronic Myeloid Leukemia: Role of COX-2, MDR-1 and HDACs  
**Prof. P. Reddanna**, Eicosanoids, Inflammation & Cancer Research Group, School of Life Sciences, University of Hyderabad, Hyderabad, India.

16:10 - 16:35  
**Title**: Phosphorylation of eIF2a-Mediated Signalling Pathways in Cell Survival and Suicide  
**Prof. Kolluru VA Ramaiah**, Dept of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad, India.

16:35 - 17:00  
**Title**: Differential Regulation of HIF-1a under Normoxic and Hypoxic Conditions  
**Dr. Surya S. Singh**, Dept. of Biochemistry, Osmania University, Hyderabad, India.

17:00 - 17:30  
Panel Discussion

17:30 - 18:00  
**Poster presentation**

(Track 2-6)

**Track 2-6: Role of Drug Delivery Systems in Bioequivalence and Bioavailability**

8:30 - 8:35  
Session Introduction

8:35 - 9:00  
**Title**: Role of Lipid Based Drug Delivery Systems in Bioavailability Enhancement  
**Dr. Praveen S. Hiremath**, Product Development, Pharmaceutics International, Inc., 10189 Gilroy Road, Hunt Valley, MD, USA.

9:00 - 9:25  
**Title**: TBD  
**Dr. Mansoor A. Khan**, Director, Division of Product Quality Research, FDA/CDER/OPS/OTR, White Oak, LS Building 64, 10903 New Hampshire Ave, Silver Spring, MD, USA.

9:25 - 9:50  
**Title**: Nanosuspensions for Improved Drug Bioavailability and Targeted Drug Delivery  
**Prof. Kamalinder.K.Singh**, Principal(Addl. Charge), C.U.Shah College Of Pharmacy, SNDT Women’s University, Santacruz (West), Mumbai - 400049, India.

9:50 - 10:15  
**Title**: Enhancing Oral Bioavailability of Drugs Using Cyclodextrins  
**Dr. B.S.Kuchekar**, Maharashtra Institute of Pharmacy, MIT Campus, Paud Road, Kothrud, Pune. Maharashtra, India.
10:15 - 10:30  
Panel Discussion

10:30 - 13:00  
*Poster presentation + Lunch*

**Track 4-1: ICH/FDA Guidelines and Regulatory Updates**

**Track 4-2: Perspectives of Regulatory Agencies, Worldwide, on Bioequivalence Testing**

13:00 - 13:05  
Session Introduction

13:05 - 13:30  
**Title:** PK-PD integration/modeling of NSAID in Veterinary Pharmacology  
**Prof. Mario Giorgi,** Pharmacology & Toxicology Section, University of Pisa, V.le delle Piagge 2, 56124 Pisa, **Italy.**

13:30 - 13:55  
**Title:** Regulatory Requirements for Orphan Drugs Delivery  
**Prof. Basavaraj K. Nanjwade,** Department of Pharmaceutics, JN Medical college, KLE University, Belgaum- 590010, Karnataka, **India.**

13:55 - 14:05  
Coffee Break

14:05 - 14:30  
**Title:** Assuring Bioequivalence: Pilot Studies or Dissolution?  
**Dr. Ranjani Nellore,** RAC, PharMantra Consulting Solutions, Hyderabad, **India.**

14:30 - 14:55  
**Title:** Challenges for Preparation of Module 2 & 5 for BA/ BE for US & EMEA  
**Ms. Neerja S,** Dy. Manager, QA, RA Chem Pharma Ltd, Clinical Research and Biosciences division, C3 (A) HUDA complex, Tarnaka, Hyderabad, **India.**

14:55 - 15:20  
**Title:** In-Vitro Release and Pharmacokinetics of Anti-tubercle Drug Ethionamide in Healthy Male Subjects  
**Prof. Mahmaood Ahmad,** Dean, Faculty of Pharmacy and Alternative Medicine, The Islamia University of Bahawalpur, Punjab, **Pakistan.**

15:20 - 15:45  
Panel Discussion

15:45 - 18:00  
*Poster presentation*

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3-3-2010  
**Sapphire Ball Room-2**

**Track 5-3: Environmental Toxicology**

**Track 6-1: Anticancer, Antiviral Drug Development**

8:30 - 8:35  
Session Introduction

8:35 - 9:00  
**Title:** Effect of Antioxidants on PCB Induced Changes in Male Reproduction  
**Dr. Arunakaran J,** Department of Endocrinology, Dr. ALM PGIBMS, University of Madras, Chennai, **India.**

9:00 - 9:25  
**Title:** Composite Ion Exchange Materials and their Applications to Remove Toxic Metal Ions  
**Dr. MU. Naushad,** SRM University, NCR Campus, Modinagar, **India.**

9:25 - 9:50  
**Title:** Kidney, the Major Organ in the Body to Evaluate Toxic and Transport Properties of Environmental Chemicals  
**Dr. Sivakumar Gowder,** Associate Professor, Dept. Pharmacology & Biochemistry, Al-Qassim University, College of Pharmacy, Buraidah, **Saudi Arabia.**

9:50 - 10:00  
Coffee Break

10:00 - 10:25  
**Title:** Challenges in siRNA/shRNA Delivery and Development of RNAi Therapeutics for Cancer  
**Dr. Tathagata Dutta,** Deputy Director, Formulation Development and Drug Discovery Research, Aizant Drug Research Solutions, Hyderabad, **India.**

10:25 - 10:50  
**Title:** Hopeful Trip from Herbs to Humans  
**Dr. Harish Joshi,** Laboratory of Drug Discovery, Design and Research, Department of Cell Biology, Suite 455 Whitehead Bld., WBRB, 615 Michael Street, Atlanta, GA-30322, **USA.**

10:50 - 11:15  
Panel Discussion

11:15 - 13:00  
*Poster presentation + Lunch*

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**Track 5-4: Molecular Epidemiology**

**Track 6-2: Molecular Drug Targets and Fragment based Drug Design**

13:00 - 13:05  
Session Introduction

13:05 - 13:30  
**Title:** Cigarette Smoke Inhalation Study for Lung Tumorigenicity in A/J Mice  
**Dr. Rosemarie B. Lichtner,** Philip Morris Research Laboratories GmbH, **Germany.**

13:30 - 13:55  
**Title:** Artificial Intelligence : A Magic Bullet for Epidemiological Studies of Vector Borne Diseases  
**Dr. U.S.N Murthy,** Director Grade Scientist/Scientist G, Head Biology Division, Indian Institute of Chemical Technology (CSIR), Ministry of Science and Technology Govt India, Tarnaka, Hyderabad, **India.**

13:55 - 14:20  
**Title:** The Proteome of the Outer Membrane Vesicles of an Antarctic Bacterium Pseudomonas Syringae  
**Dr. M.Y Jugannadhnam,** Scientist, Centre for Cellular and Molecular Biology, Tarnaka, Hyderabad, **India.**

14:20 - 14:30  
Coffee Break
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:30 - 14:55</td>
<td>Title: Minimal Effective Concentration and Efficacy of Epoetins</td>
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<td>Dr. Wojciech Krzyzanski, Department of Pharmaceutical Sciences, University at Buffalo, Buffalo, NY 14260, USA.</td>
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<td>14:55 - 15:20</td>
<td>Title: Biophotonics: Application towards Modern Drug Discovery</td>
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<td>Dr. Srinivas kantevari, Sr. Scientist, Organic Chemistry Division-II, Indian Institute of Chemical Technology, Hyderabad, India.</td>
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<td>15:20 - 15:45</td>
<td>Title: Molecular Drug Targets for Development of Antidepressant Drugs</td>
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<td>Dr. Dinesh Dhirga, Assistant Professor, Pharmacology Division, Department of Pharmaceutical Sciences, Guru Jambheshwar University of Science and Technology, Hisar-125001-Haryana, India.</td>
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<td>15:45 - 16:15</td>
<td>Panel Discussion</td>
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<td>16:15 - 18:00</td>
<td>Poster presentation</td>
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**Emerald - Second Floor**

(Track 6-3; 7-1)

**Track 6-3: Improving ADME/DMPK Profile**

**Track 7-1: Influence of Disease on Bioavailability**

- **Session Introduction**
- **8:30 - 8:35**
  - Title: Stability and Rat Skin Permeation of Vitamin E and Vitamin E Acetate in Cosmetic Preparations
  - Dr. Aly Nada, Assoc. Professor & Chairman, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University, POB 24923 Safat, 13110 Kuwait.
- **9:00 - 9:25**
  - Title: Enhancing Oral Bioavailability of Drugs using Self-Emulsifying Drug Delivery Systems
  - Prof. Bhupinder Singh Bhoop, Pharmaceutics & Pharmacokinetics, Univ Inst Pharm Sci (UGC Center of Adv Studies), Dean (Alumni Relations), Panjab University, Chandigarh, India.
- **9:25 - 9:50**
  - Title: Pharmacokinetic Significance of Diabetes-induced Changes in CYP3A Activity
  - Prof. S. N. Umathe, Head of Pharmacology Division, Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Mahatma Jyotiba Fule Shikshanik Parisar, Amravati Road, Nagpur, India.
- **9:50 - 10:00**
  - Coffee Break
- **10:00 - 10:25**
  - Title: Liver Diseases Affecting Bioavailability
  - Dr. Dibya Sundar Panda, Institute of Pharmacy and Technology, Salipur-754202, Cuttack, India.
- **10:25 - 10:50**
  - Title: Pros and Cons of Ocular bio-availability of Drugs
  - Dr. Thirumurthy velpandian, Associate Professor & In-Charge, Department of Ocular Pharmacology & Pharmacy, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences, New Delhi, India.
- **10:50 - 11:15**
  - Title: Are Bioavailability Studies Warranted in Specific Disease States?
  - Dr. S.B. Bhise, Principal, Govt. College of Pharmacy, Karad, India.
- **11:15 - 11:30**
  - Panel Discussion
- **11:30 - 13:00**
  - Poster presentation + Lunch

(Track 6-4; 6-5)

**Track 6-4: PK/PD and Bioanalysis Outsourcing Alliance**

**Track 6-5: Road Map to Drug Discovery and Development**

- **Session Introduction**
- **13:00 - 13:05**
  - Title: More than a Co-receptor: New Perspectives of Neuropilin-1 Function in Endothelium and Tumor Cells
  - Prof. Debrabrata Mukhopadhyay, Department of Biochemistry and Molecular Biology, Mayo Clinic School of Medicine, Guggenheim 1401A, 200 First Street Southwest, Rochester, MN 55905, USA.
- **13:30 - 13:55**
  - Title: Local Antibiotic Delivery Systems for the Treatment of Osteomyelitis, the Use of Fibrin Clot as a Carrier- an In Vitro and In Vivo Pharmacokinetic Study
  - Dr. Stefanos Tsourvakas, Orthopaedic Department, General Hospital of Trikala, Greece.
- **13:55 - 14:20**
  - Title: Pharmacokinetic Study of Hair Dye Poisoning: A Study of 50 cases
  - Dr. M. Nagulu, Department of Clinical Pharmacy Services, M.G.M Hospital, Vaagdevi college of Pharmacy, Warangal, India.
- **14:20 - 14:30**
  - Coffee Break
- **14:30 - 14:55**
  - Title: Is Natural Product Domain a Good Hunting Hub in the Navigation of Drug Like and Drug Molecules?
  - Dr. A. Jayasheer, Scientist, Jaharalal Nehru Technological University, Hyderabak, India.
- **14:55 - 15:20**
  - Title: Therapeutic Alternatives from Venoms and Toxins: Drug Challenges of the Future
  - Prof. Shivaji P. Gawade, Professor in Pharmacology and Principal, Satara College of Pharmacy, Plot 1539, New Additional MIDC, Behind Spicer India Ltd, Degaon, Satara, M.S., India.
- **15:20 - 15:45**
  - Title: Human Membrane Guanylate Cyclases: Understanding the Structural Basis of Receptor-Ligand Interactions and Approaches to Drug Design
  - Prof. Paul Roesch, Research Center for Bio-Macromolecules, U. of Bayreuth 95440 Bayreuth, Germany.
- **15:45 - 16:15**
  - Panel Discussion
- **16:15 - 18:00**
  - Poster presentation
Track 7-3: The Role of Intestinal Metabolism on Bioavailability

8:30 - 8:35  
Session Introduction

8:35 - 9:00  
Title: Enhancing Drug Bioavailability by Overcoming Intestinal Metabolism  
Prof. Basavaraj K. Nanjwade, Department of Pharmaceutics, JN Medical college, KLE University, Belgaum- 590010, Karnataka, India.

9:00 - 9:25  
Title: Enhancement of Bioavailability of Aceclofenac Using Solid Dispersion Technique  
Dr. Sharma V. K, D.J. College of Pharmacy, Modinagar, 201204, UP, India.

9:25 - 9:45  
Panel Discussion

9:45 - 13:00  
Poster presentation + Lunch

Track 7-2: Factors Influencing Bioavailability and Bioequivalence

Track 7-4: In Vitro Methods to Determine Bioavailability & In Vitro-In Vivo Correlations

13:00 - 13:05  
Session Introduction

13:05 - 13:30  
Title: The Bioavailability of Heparin-binding Molecules on Vascular Walls is Regulated by Heparan Sulfate and Flow Rate  
Dr. Michael Fannon, University of Kentucky School of Medicine, Lexington, KY, USA.

13:30 - 13:55  
Title: Factors Influencing Bioavailability and Bioequivalence  
Prof. Vijaya Ratna, AU College of Pharmaceutical Sciences, Andhra University, Visakhapatnam, India.

13:55 - 14:20  
Title: Roles of Oral Drug Absorption, Bioavailability and Exposure Prediction in Drug Development  
Dr. Tycho Heimbach, Novartis Institutes for BioMedical Research, DMPK - Translational Sciences (TS), USEH, 436/3253, One Health Plaza, East Hanover, NJ 07936-1080, USA.

14:20 - 14:45  
Title: Combining Population-based Mechanistic Modeling of Oral Absorption and Parameter Estimation Algorithms to Obtain Reliable Predictions of Bioavailability  
Prof. Sebastian Polak, Jagiellonian Univ, Krakow, Poland and Simcyp, Poland.

14:45 - 15:10  
Title: Aspirin Resistance: The Role of Poor Bioavailability of Enteric Coated Aspirin  
Dr. Dermot Cox, Molecular and Cellular Therapeutics, Royal College of Surgeons in Ireland, 123 St. Stephens Green, Dublin 2, Ireland.

15:10 - 15:20  
Coffee Break

15:20 - 15:45  
Title: Assessing BA/BE of Topical Formulations In Vitro: In Vitro – In Vivo Correlation Provides a Practical Surrogate to Clinical BE Studies  
Dr. Sam Raney, Associate Director, Pre-Clinical Dermatology, Cetero Research, Adjunct Professor of Pharmaceutical Sciences at North Dakota State University, USA.

15:45 - 16:10  
Title: Understanding the Significance of In-vitro/ In-vivo Correlation in Pharmacokinetic Predictions  
Dr. Shivanand Pathli, Drug Delivery Division, Panacea Biotech Ltd., Navi-Mumbai, Maharashtra, India.

16:10 - 16:35  
Title: In Vitro Methods to Determine Bioavailability & IVIVC of Oral Dosage Forms and Drug Delivery Systems  
Dr. Vijay D. Wagh, Associate Professor In Pharmaceutics, Y.B. Chavan College of Pharmacy, Aurangabad and Editor In Chief, Indian Journal of Pharmaceutics, Serial Publications, Daria Ganj, New Delhi, India.

16:35 - 17:00  
Title: Endeavoring Biowaivers Using IVIVC: Shifting Paradigms  
Prof. Bhupinder Singh Bhoop, Pharmaceutics & Pharmacokinetics, Univ Inst Pharm Sci (UGC Center of Adv Studies), Dean (Alumni Relations), Panjab University, Chandigarh, India.

17:00 - 17:25  
Title: Transdermal Bioavailability of Trazodone Hydrochloride: In vitro-In Vivo Correlation  
Dr. Malay K. Das, Division of Pharmaceutics, Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh 786004, India.

17:25 - 17:50  
Title: Effect of Test Parameters on In-vitro Method to Determine Bioavailability of Dosage Forms  
Dr. Abhishek kumar Jain, Research Scholar and Lecturer, Department of Pharmaceutical Science, M. L. Sukhadia University, Udaipur, Rajasthan, India.

17:50 - 18:00  
Panel Discussion
Way from Airport to Marriott Hotel & Convention Centre