



International Conference & Exhibition **BIOEQUIVALENCE & BIOAVAILABILITY 2010** Pharmaceutical R&D Summit

Time & Venue: March 1-3, 2010
Marriott Hotel & Convention Centre, Hyderabad, India



Programme

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. 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.
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**

Marriott Convention Center

(Track 1-1; 1-2)

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

Track 1-2: Comparative Bioavailability Studies for New Drugs (NDA)

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:** *Effect of Truncated AUC Method on Drug Bioequivalence in Humans: an EMEA Draft Guideline Evaluation*
Dr. Nasir M. Idkaidek,
College of Pharmacy & Medical Sciences,
University of Petra, Amman, **Jordan**.
- 16:10 - 16:30 **Panel Discussion**

2-3-2010

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. Hany 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 QSPR 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**
Dr. Jean-Louis Prugnaud, Chef de Service,
Hôpital Saint-Antoine, 184 rue du Fbg Saint-Antoine, **Paris**.

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: <i>Bioanalytical Method Development of the Metabolite 3-desmethylthiocolchicine in Human Plasma by LC-MS/MS</i> Dr. Sangita Agarwal , Women Scientist-DST, Dept. of Pharm. Tech., Jadavpur University, Kolkata, India .
11:40 - 12:05	Title: <i>Codeine and Breastfeeding, What are the Latest Data in Pharmacovigilance and EMEA Regulation</i> Dr. Raphael Serreau , MD, Responsable Appel d'Offre - PV, URC Paris Necker-Cochin- EA 3620, Hopital Cochin, Paris .
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: <i>Protection against Seasonal and Avian Influenza Virus Infections Using Nucleic Acid-Based Antiviral Agents</i> 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: <i>Biochemical and Biological Studies on Salt Stressed Spirulina Platensis</i> Dr. Emad A. Shalaby , Biochemistry Department, Faculty of Agriculture and Botany Department, Faculty of Science, Cairo University, Giza, Egypt .
13:55 - 14:20	Title: <i>Standardization of Herbal Drug Preparations using LC-MS</i> 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: <i>Design of New Drug Molecules to be Used in Reversing Multidrug Resistance in Cancer Cells</i> Prof. Mayur Yergeri , Department of Medicinal Chemistry, V.L. College of Pharmacy, Raichur, India .
14:55 - 15:20	Title: <i>Signaling Mechanisms of Endogenous Anti-cancer Molecules Derived From Extra Cellular Matrix Type IV Collagen</i> 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: <i>Expanding Applications for Use of Biologically Modified Nanoparticles in Cancer Research</i> Dr. Eric Michael Bratsolis 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: <i>Imatinib Resistance in Chronic Myeloid Leukemia: Role of COX-2, MDR-1 and HDACs</i> Prof. P. Reddanna , Eicosanoids, Inflammation & Cancer Research Group, School of Life Sciences, University of Hyderabad, Hyderabad, India .
16:10 - 16:35	Title: <i>Phosphorylation of eIF2α-Mediated Signalling Pathways in Cell Survival and Suicide</i> Prof. Kolluru VA Ramaiah , Dept of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad, India .
16:35 - 17:00	Title: <i>Differential Regulation of HIF-1α under Normoxic and Hypoxic Conditions</i> Dr. Surya S. Singh , Dept. of Biochemistry, Osmania University, Hyderabad, India .
17:00 - 17:30	Panel Discussion
17:30 - 18:00	Poster presentation

Emerald- Second Floor

(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: <i>Role of Lipid Based Drug Delivery Systems in Bioavailability Enhancement</i> Dr. Praveen S. Hiremath , Product Development, Pharmaceutics International, Inc., 10189 Gilroy Road, Hunt Valley, MD, USA .
9:00 - 9:25	Title: <i>TBD</i> 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: <i>Nanosuspensions for Improved Drug Bioavailability and Targeted Drug Delivery</i> 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: <i>Enhancing Oral Bioavailability of Drugs Using Cyclodextrins</i> 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; 4-2)

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**

3-3-2010

Sapphire Ball Room-2

(Track 5-3; 6-1)

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**

(Track 5-4; 6-2)

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.V Jagannadham,
Scientist, Centre for Cellular and Molecular Biology, Tarnaka, Hyderabad, **India**.

14:20 - 14:30 **Coffee Break**

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

Emerald - Second Floor

(Track 6-3; 7-1)

Track 6-3: Improving ADME/DMPK Profile

Track 7-1: Influence of Disease on Bioavailability

8:30 - 8:35	Session Introduction
8:35 - 9:00	Title: <i>Stability and Rat Skin Permeation of Vitamin E and Vitamin E Acetate in Cosmetic Preparations</i> Dr. Aly Nada , Assoc.Professor & Chairman, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University, POB 24923 Safat, 13110 Kuwait .
9:00 - 9:25	Title: <i>Enhancing Oral Bioavailability of Drugs using Self-Emulsifying Drug Delivery Systems</i> 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: <i>Pharmacokinetic Significance of Diabetes-induced Changes in CYP3A Activity</i> Prof. S. N. Umathe , Head of Pharmacology Division, Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Mahatma Jyotiba Fuley Shaikshanik Parisar, Amravati Road , Nagpur, India .

9:50 - 10:00

Coffee Break

10:00 - 10:25	Title: <i>Liver Diseses Affecting Bioavailability</i> Dr. Dibya Sundar Panda , Institute of Pharmacy and Technology, Salipur-754202, Cuttack, India .
10:25 - 10:50	Title: <i>Pros and Cons of Ocular bio-availability of Drugs</i> 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: <i>Are Bioavailability Studies Warranted in Specific Disease States?</i> 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

13:00 - 13:05	Session Introduction
13:05 - 13:30	Title: <i>More than a Co-receptor: New Perspectives of Neuropilin-1 Function in Endothelium and Tumor Cells</i> Prof. Debabrata 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: <i>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</i> Dr. Stefanos Tsourvakas , Orthopaedic Department, General Hospital of Trikala, Greece .
13:55 - 14:20	Title: <i>Pharmacokinetic Study of Hair Dye Poisoning: A Study of 50 cases</i> 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: <i>Is Natural Product Domain a Good Hunting Hub in the Navigation of Drug Like and Drug Molecules?</i> Dr. A. Jayashree , Scientist, Jahaharlal Nehru Technological University, Hyderabad, India .
14:55 - 15:20	Title: <i>Therapeutic Alternatives from Venoms and Toxins : Drug Challenges of the Future</i> 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: <i>Human Membrane Guanylate Cyclases: Understanding the Structural Basis of Receptor-Ligand Interactions and Approaches to Drug Design</i> 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)**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; 7-4)****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 Puthli**, Drug Delivery Division,Panacea Biotec 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**.

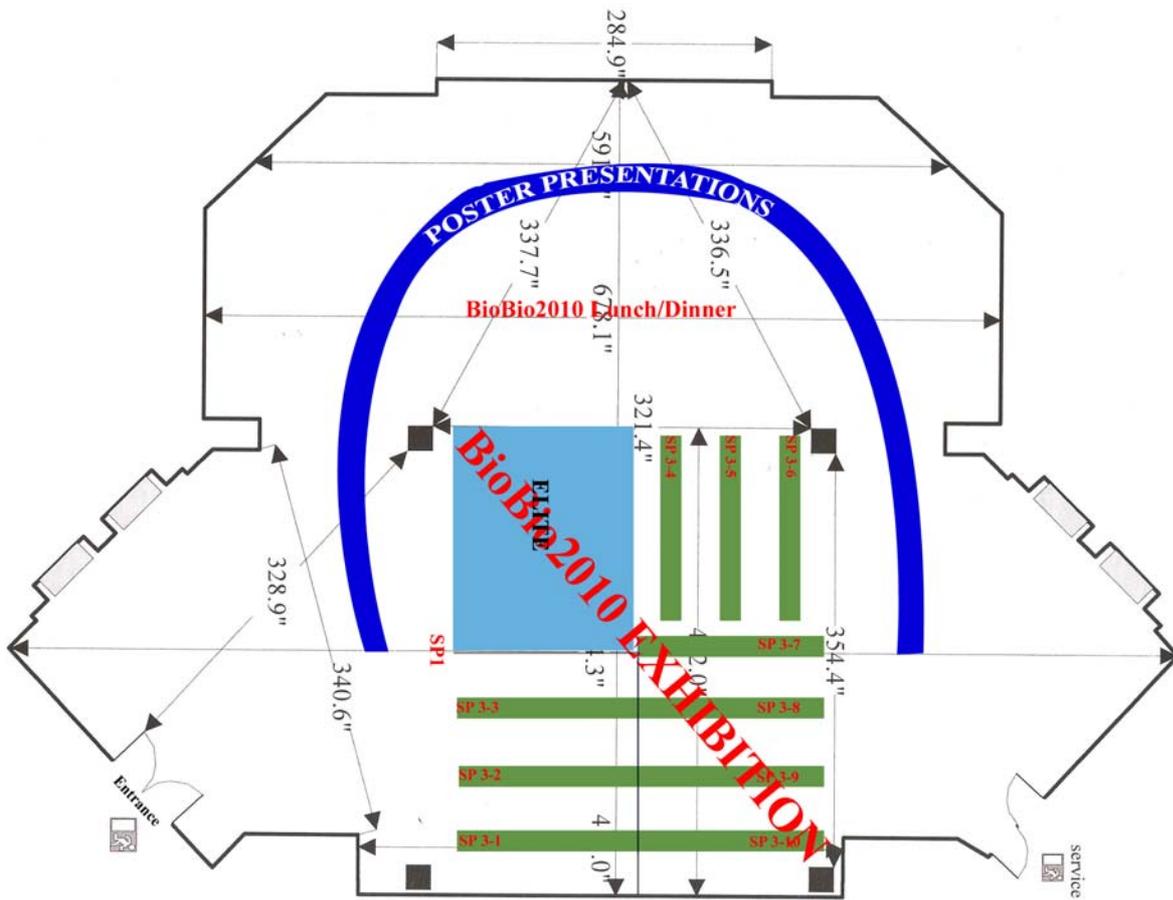
17:25 - 17:50

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**.

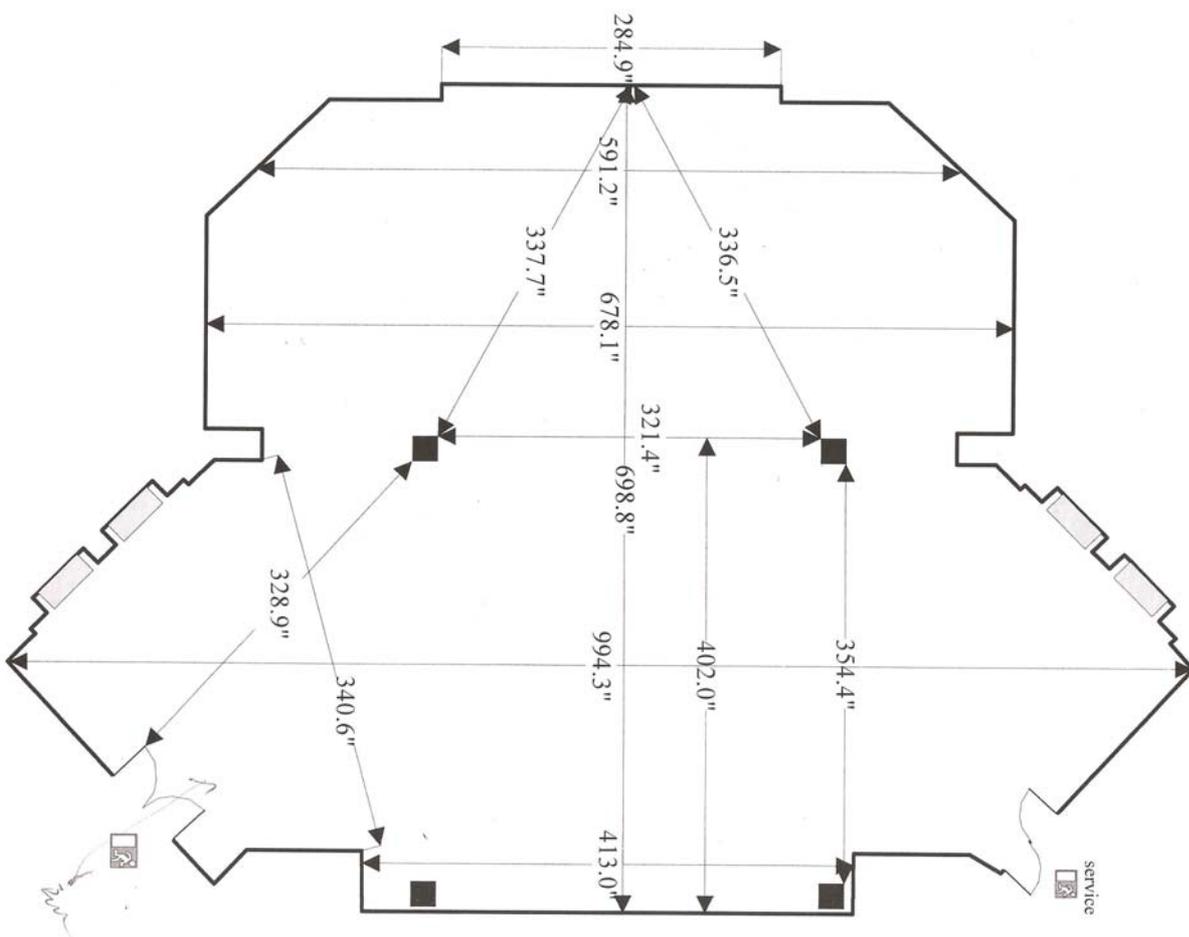
17:50 - 18:00

Panel Discussion

Sapphire Ballroom I



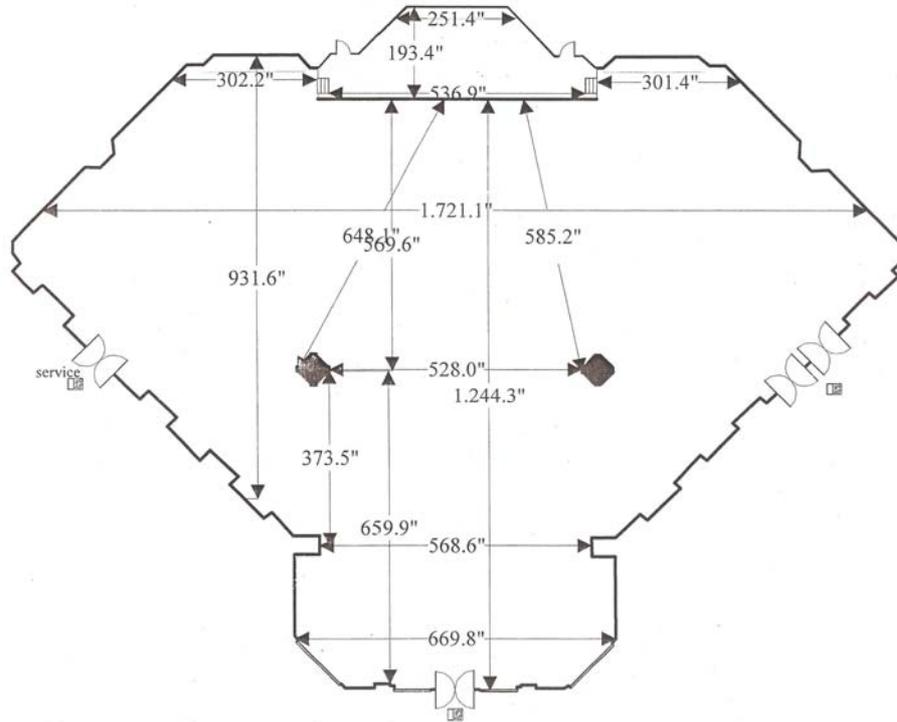
Sapphire Ballroom 1/2





stage ht: 2.13'
stage to ceiling: 15.83'

Marriott Convention Centre



Way from Airport to Marriott Hotel & Convention Centre

