



Scientific Program

3rd World Congress on

Bioavailability & Bioequivalence

Pharmaceutical R & D Summit

March 26-28, 2012 Marriott Convention Centre, Hyderabad, India



Conference Secretariat

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08:30-09:30 Registrations
10:00-11:00 Opening Ceremony

Honorable Guests

Shri. R. P. Thakur, IPS

Director General-Drugs Control Administration, Andhra Pradesh, India

Shri. A. Chandra Sekhar Rao

Deputy Drugs Controller-Central Drugs Standard Control Organization, Andhra Pradesh, India

Shri. K. Praveen Kumar

Vice President, Marketing and Investment Promotion, APIIC, Andhra Pradesh, India

Dr. Luigi Silvestro

Co-founder, 3S-Pharmacological Consultation & Research GmbH, Germany

Dr. Gregory Russell-Jones

Director, Mentor Pharmaceutical Consulting, Australia

Dr. Patrick Bennett

Strategic Marketing Director, Thermo Fisher Scientific Pvt. Ltd., USA

Dr. Amit Biswas

Executive Vice President, Dr. Reddy's Laboratories, India

Dr. A.T. Bapuji

Senior Vice President, Aurobindo Pharma, India

Dr. Gedela S. Babu

Director, OMICS Group Inc., USA

Coffeebreak: 11:00-11:15

Keynote Forum

Introduction

11:15-11:45 **Title: Research to routine workflows for large molecules using proteomic tools and high resolution mass spectrometry**

Dr. Patrick Bennett, Thermo Fisher Scientific Pvt. Ltd., USA

11:45-12:15 **Title: Bioavailability and bioequivalence: Do they correlate?**

Dr. Gregory Russell-Jones, Mentor Pharmaceutical Consulting, Australia

12:15-12:45 **Title: BA/BE Challenges to generic pharmaceutical industry**

Dr. A.T. Bapuji, Aurobindo Pharma, India

Lunch: 12:45-13:30

13:30-14:00 **Title: Anti-angiogenesis therapy: Clinical puzzles and prospects**

Prof. Debabrata Mukhopadhyay, Mayo Clinic College of Medicine, USA

14:00-14:30 **Title: Harmonization in BABE Studies: Regulatory aspects**

Dr. T. S. Jaishankar, Quest Life Sciences (P) Ltd, India

14:30-15:00 **Title: Clinical Trials – Testing in humans projected as exploitation- how much is perceptive and how much is reality? – Specific to India**

Dr. S.V. Krishna Prasad, Cito Healthcare Pvt. Ltd, India

Coffee Break: 15:00-15:15

Marriott Convention Center

Track 1.3: Epidemiology of Drug Interactions: Biochemical Mechanisms of Drug Toxicity

Track 1.4: Integrated Product Development: Structure Based Drug Design

Session Introduction

- 15:15-15:40** **Title: The role of vitamin D in weight-related metabolic derangements, inflammation and insulin resistance**
Dr. Khalid M Alkharfy, King Saud University, Saudi Arabia
- 15:40-16:05** **Title: In silico design of novel, high-affinity neuraminidase inhibitors for Influenza A/H1N1/2009 virus**
Dr. Shailendra K. Saxena, Centre for Cellular and Molecular Biology, India
- 16:05-16:30** **Title: Salt intake influences the interaction between the renin-angiotensin and renal dopaminergic systems in normotensive humans**
Dr. Aruna R. Natarajan, Georgetown University School of Medicine, USA
- 16:30-16:55** **Title: Photolabile probes to control cellular chemistry and drug discovery**
Dr. Srinivas Kantevvari, Indian Institute of Chemical Technology (IICT), India
- 16:55-17:20** **Title: Novel bio-chemical profiling of Indian black teas and development of green tea based radical scavenging conserve as all natural antioxidant for health promotion**
Dr. B.B. Borse, Central Food Technological Research Institute, India
- 17:20-17:45** **Title: Model based drug development: Promises towards success**
Dr. Abhay Sangamwar, National Institute of Pharmaceutical Education and Research, India

Diamond Hall

Track 1.1: Drug Design, Development and Therapy

Track 1.2: New Strategies for Drug Development

Session Introduction

- 15:15-15:40** **Title: Developing suitable animal models for drug development**
Prof. Sharma S. Prabhakar, Texas Tech University Health Sciences Center, USA
- 15:40-16:05** **Title: Challenges for trace element analysis in BABE studies**
Dr. Biswajayee Patra, Thermo Fisher Scientific Pvt. Ltd., India
- 16:05-16:30** **Title: Design and synthesis of potent Cyclin C inhibitors**
Dr. P. Sarita Rajender, Osmania University, India
- 16:30-16:55** **Title: Computational technique – A promising pathway for drug discovery: A case study**
Prof. Uma Vuruputuri, Osmania University, India
- 16:55-17:20** **Title: An overview of role of public regulatory authorities in implementing guidelines for drug development and approval globally**
Dr. Sandeep Arora, Chitkara University, India
- 17:20-17:45** **Title: A novel approach of piperine incorporated cubosomal preparations for vitiligo therapy**
Dr. Vinod K. R, Nalanda College of Pharmacy, India

Ball Room

15:15-17:00 **Poster Presentations (PO-001 to PO-015)**

Day 2 March 27, 2012

Diamond Hall

Track 2: Identification and Characterization of Drugs

Session Introduction

- 09:30-09:55** **Title: New compounds that cause inhibition to various reactive oxygen species are from plants: A study on few selected plants**
Prof. Kedam Thyaga Raju, Sri Venkateswara University, India

- 09:55-10:20** **Title: Role of Zinc on prostate cancer**
Dr. J. Arunakaran, University of Madras, India
- 10:20-10:45** **Title: Assay of endogenous Drugs**
Dr. D.Vijaya Bharathi, Dr.Reddy's Laboratories Ltd, India
- 10:45-11:10** **Title: Application of NMR spectroscopy for structure elucidation of bioactive natural and synthetic compounds**
Dr. T. Narender, Central Drug Research Institute, India

Coffeebreak 11:10-11:25

- 11:25-11:50** **Title: Recent advances in analytical methodologies for the determination of impurities in drugs**
Dr. M V Narendra Kumar Talluri, National Institute of Pharmaceutical Education and Research, India
- 11:50-12:15** **Title: Season variation and starvation period influence on the anti-thrombotic activity of Leech Saliva extract from the medicinal Malaysian Leech, Hirudinaria manillensis**
Prof. Abbas Mohammad Ghawi, International Islamic University Malaysia, Malaysia
- 12:15-12:40** **Title: Ascorbate defense in response to hyperosmotic stress by adrenal and gonads in albino rat (Rattus norvegicus)**
Dr. Priyanka Mehta, M.J.P. Rohilkhand University, India
- 12:40-13:05** **Title: A fully automated system for LC/MS bioanalysis in regulated laboratories**
Dr. Doug McIntyre, Agilent Technologies, India

Lunch 13:05-13:55

Track 5: Bioavailability and Bioequivalence of Novel Drug Delivery Systems

Session Introduction

- 13:55-14:20** **Title: Transdermal needle-free delivery of peptides and proteins using water-in-oil microemulsions: High bioavailability, with drug dependent pharmacology**
Dr. Gregory Russell-Jones, Mentor Pharmaceutical Consulting, Australia
- 14:20-14:45** **Title: Oral drug delivery: Pharmaceutical technology archetypes**
Dr. Shivanand P. Puthli, Panacea Biotec Ltd., India
- 14:45-15:10** **Title: Effect of bioenhancers on permeability and In-Vitro release of various anti-tubercular agents**
Dr. Pingale Prashant L, NMIMS Shirpur Campus, India
- 15:10-15:35** **Title: Transdermal delivery of lopinavir loaded ultradeformable vesicles (UDVs): An alternate way to circumvent its limited oral bioavailability**
Dr. Hetal Thakkar, M.S.University of Baroda, India

Coffeebreak 15:35-15:50

- 15:50-16:15** **Title: Design, development and evaluation of Ultra-deformable vesicular drug delivery system for topical delivery of itraconazole**
Dr. Shivprasad Majumdar, SVKM's \NMIMS, India
- 16:15-16:40** **Title: Bioavailability assessment of topically applied ufasomal formulation for treatment of Arthritis**
Mr. Arvind Sharma, Chitkara university, India
- 16:40-17:05** **Title: Investigation of DNA integration into reproductive organs following intramuscular injection of DNA in mice**
Dr. Fatemeh Vahedi, Razi Vaccine & Serum Research Institute, Iran

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Track 3: Pharmacokinetics, Bioavailability and Bioequivalence

Session Introduction

- 09:30-09:55** **Title: Metabolism after lung absorption in comparison to oral route. A key to interpret results of lung deposition studies based on PK**
Dr. Luigi Silvestro, 3S-Pharmacological Consultation & Research GmbH, Germany

- 09:55-10:20** **Title: A bioequivalence study of two Azithromycin tablet formulations in Indonesian healthy volunteers**
Prof. Yahdiana Harahap, University of Indonesia, Indonesia
- 10:20-10:45** **Title: Does hemolysis affect the pharmacokinetic profile of drugs used in bioavailability studies**
Dr. Shengjun Zhang, Frontage China Clinical Research Center, China
- 10:45-11:10** **Title: Beyond sensitivity: Improving the performance, productivity and compliance of the bioanalytical assay process**
Dr. Gopal Vaidyanathan, Waters India Pvt. Ltd., India

Coffeebreak: 11:10-11:25

- 11:25-11:50** **Title: Enzymatic degradation of chitosan and thiolated chitosan**
Dr. Flavia Laffleur, University of Innsbruck, Austria
- 11:50-12:15** **Title: Theoretical and in vitro studies of a C-terminal peptide from PGKC of Leishmania mexicana mexicana**
Dr. Vidya Raghunathan, National Institute of Immunology, India
- 12:15-12:40** **Title: Increasing Tamoxifen bioavailability using Tam:HP β CD inclusion complex**
Dr. Jaya Shukla, Postgraduate Institute of Medical Education and Research, India
- 12:40-13:05** **Title: Comparison of biological activities between synthesized ester derivatives and its parent compound Solanesol**
Prof. Sridevi Pingala, CM College of Pharmacy, India

Lunch: 13:05-13:55

- 13:55-14:20** **Title: Fate of pharmacologically active Isoflavones upon administration in Sprague Dawley rats**
Mr. Wahajuddin, CSIR-Central Drug Research Institute, India
- 14:20-14:45** **Title: Diosmetin Pharmacokinetic Following Diosmin Oral Administration in Man; a New Study on an Old Product with Controversial Pharmacokinetic Findings in the Past**
Mrs. Adriana Iordachescu, Pharma Serv International SRL, Romania

Track 4: PK/PD Models, Biowaivers and Biosimilars

Session Introduction

- 14:45-15:10** **Title: Free radical scavenging activity of the Malaysian Leech Saliva extract, Hirudinaria manillensis**
Prof. Abbas Mohammad Ghawi, International Islamic University Malaysia, Malaysia
- 15:10-15:35** **Title: Bio-Sensor in medication**
Dr. Awadhesh Kumar Singh, Maharaja Agrasen Institute of Technology, India

Coffeebreak: 15:35-15:50

- 15:50-16:15** **Title: Evaluation of the antitrypanosomal potential of the epidermal tissues of Vitex Doniana root extract using wistar rats**
Dr. Innocent Omalu, Federal University of Technology, Nigeria
- 16:15-16:40** **Title: Pharmacokinetic driven drug discovery and development strategies**
Dr. Rabi Sankar Bhatta, CSIR-Central Drug Research Institute, India
- 16:40-17:05** **Title: Glucose 6 phosphate dehydrogenase and haematological activities of artemether and lumefantrine in non-malaria infected rats**
Dr. Abiodun Humphrey Adebayo, Covenant University, Nigeria

Ball Room

- 12:00-13:30** **Poster Presentation (PO-016 to PO-056)**
- 15:00-16:30** **Poster Presentation (PO-057 to PO-078)**

Marriott Convention Center

Track 6: Strategies and Challenges in Bioanalysis

Session Introduction

- 09:30-09:55** **Title: Simplified approach for the development of a bioanalytical DBS assay using a tandem quadrupole with a novel collision cell design**
Dr. Gopal Vaidyanathan, Waters India Pvt. Ltd., India
- 09:55-10:20** **Title: Evaluation of bioequivalence for endogenous molecules; Statistical Impact of different basal levels correction procedures**
Dr. Simona Rizea Savu, 3S-Pharmacological Consultation & Research GmbH, Germany
- 10:20-10:45** **Title: Quality by design (QbD) using design-of-experiments (DoE) approach to develop a LC-MS/MS method**
Dr. Sandeep Sharma, Jubilant Clinsys Ltd., India
- 10:45-11:10** **Title: Gallopamil racemate separation using UV spectrophotometer with preparative chromatographic column**
Dr. Kalaichelvi Ponnusamy, National Institute of Technology, Tiruchirappalli, India

Coffeebreak: 11:10-11:25

- 11:25-11:50** **Title: A cloud computing system to quickly implement new microarray data normalization methods**
Dr. Dongquan Chen, Univ. of Alabama at Birmingham, USA
- 11:50-12:15** **Title: Harmonizing best practices in bioanalytical methods**
Dr. Maha Tutunji, University of Jordan, Jordan
- 12:15-12:40** **Title: Study of selenium-containing metabolomes in selenium-enriched yeast by ion exchange-inductively coupled plasma- mass spectrometry**
Dr. D. T. Pal, National Institute of Animal Nutrition and Physiology (NIANP), India

Lunch: 12:40-13:30

Track 10: Oral Bioavailability Enhancement

Track 11: Regulatory and Economical Aspects in Bioavailability and Bioequivalence

Session Introduction

- 13:30-13:55** **Title: Novel systems for the preparation of oral dosage forms for poorly water soluble curcuminoids co-formulated with water soluble peptides and proteins**
Dr. Gregory Russell-Jones, Mentor Pharmaceutical Consulting, Australia
- 13:55-14:20** **Title: Trend analysis on repeats, a way through.....**
Ms. Neerja Somyajee, Piramal Healthcare Limited, India
- 14:20-14:45** **Title: Innovation in method development; Drugs solubility and stability during bioanalysis process**
Dr. Naser Rezk, King Abdullah International Medical Research Center, Kingdom of Saudi Arabia
- 14:45-15:10** **Title: Federated RHIO solution for HR healthcare data protection**
Dr. Jayanthi Ranjan, Institute of Management Technology-IMT, India
- 15:10-15:35** **Title: The dysfunction of cGMP-dependent Na/Ca exchange as a gate for age-related dysfunction of cellular activity**
Prof. Sinerik N. Ayrapetyan, UNESCO Chair-Life Sciences International Postgraduate Educational Center, Armenia

Coffeebreak: 15:35-15:50

- 15:50-16:15** **Title: Exemestane solid dispersions: Enhancement of solubility and permeability**
Dr. Suresh Bandari, St Peter's Institute of Pharmaceutical Sciences, India
- 16:15-16:40** **Title: Enhancement of oral bioavailability of ketoprofen by liquisolid compaction technology**
Mr. Vijaykumar Nagabandi, St. Peter's Institute of Pharmaceutical Sciences, India

- 16:40-17:05** **Title: Microwave generated bionanocomposites for solubility and dissolution enhancement of poorly water soluble drug Ibuprofen: In vitro and in vivo evaluation**
Dr. Sachin Kushare, R. G. Sapkal College of Pharmacy, India
- 17:05-17:30** **Title: Simvastatin solid lipid nanoparticles for improving the oral bioavailability**
Prof. Lankalapalli Srinivas, GITAM University, India
- 17:30-17:55** **Title: The novel modified approaches for enhancement of bioavailability of poorly water-soluble drugs**
Dr. Abhishek Kumar Jain, Sagar Institute of Research and Technology, India
- 17:55-18:20** **Title: Regulatory Needs in Bioavailability and Bioequivalence Studies of Pharmaceuticals**
Dr. G. S. Chakraborty, Noida Institute of Engineering and Technology, India
- 18:20-18:45** **Title: Toxicity and degradation of chlorinated nitroaromatic compounds**
Dr. Pankaj Kumar Arora, University of Hyderabad, India

Diamond Hall

Track 7: Bioanalytical Methodology Development and Validation Using HPLC and LCMS

Track 9.1: Design, Documentation and Reporting of BA/BE Studies: Protocol Issues

Session Introduction

- 09:30-09:55** **Title: An Update on Harmonisation of Bioanalytical guidances by GBC (Global Bioanalysis Consortium)**
Dr. S. Ravisankar, GVK Biosciences Pvt Ltd, India
- 09:55-10:20** **Title: Enhancing bioanalytical selectivity beyond conventional LC/MS/MS**
Dr. Hesham Ghobarah, ABSCIEX, Canada
- 10:20-10:45** **Title: Pilot Study informs pivotal trial evaluating bioequivalence of two formulations of Paroxetine 40 mg tablet in healthy Chinese subjects**
Dr. Shengjun Zhang, Frontage China Clinical Research Center, China
- 10:45-11:10** **Title: Matrix effects: Termite of analytical methodologies**
Dr. Chinmoy Ghosh, Cadila Pharmaceuticals Limited, India

Coffeebreak: 11:10-11:25

- 11:25-11:50** **Title: Validated stability-indicating HPLC method for the determination of eberconazole nitrate: Application to hydrolytic, thermal, oxidative and photolytic degradation kinetics**
Dr. Vamsi Krishna Marothu, Alliance Institute of Advanced Pharmaceutical and Health Sciences, India
- 11:50-12:15** **Title: Evaluation of antidiabetic and antioxidant activity of Moringa oleifera in experimental diabetes**
Dr. Rajnish Gupta, University of Rajasthan, India
- 12:15-12:40** **Title: Formulation and evaluation of Terbinafine Hydrochloride Microsponge Gel [THMG]**
Dr. Vedavathi Tavva, CMR College of Pharmacy, India

Lunch: 12:40-13:30

- 13:30-13:55** **Title: Challenges for trace element analysis in BABE studies**
Mr. Sudhakar Kasturi, Thermo Fisher Scientific Pvt. Ltd., India
- 13:55-14:20** **Title: Simultaneous determination of amoxicillin and clavulanic acid in human plasma by liquid chromatography coupled with tandem mass spectrometry**
Mr. Chaitanya Krishna Atmakuri, Bombay Bio Research Centre, India
- 14:20-14:45** **Title: Design, documentation and reporting of BA/BE studies on anticancer products: Protocol issues**
Mr. Vikas Kumar, Fresenius-Kabi Oncology Ltd., India

Coffeebreak: 15:35-15:50

Ball Room

11:00-12:30 Poster Presentation (PO-079 to PO-119)

15:00-16:30 Poster Presentation (PO-120 to PO-141)

Encyclopedia of Bioequivalence and Bioavailability (E-BABE)

Analytical and Bio-Analytical Methodology Database

- World's only database powered by an updated bioanalytical methods of pharmaceuticals for suitable method selection with over thousands of combinations and automatic checks against thousands of methods: all at your finger tips.
- Intelligent processing which understands your analytical terminology and lets you generate, select of your priority and much more in seconds.
- Use the comprehensive analytical and bio-analytical methodology tool to select important method for an insight into regular quality control.
- Now selection of Analytical and Bio-analytical methods of pharmaceuticals for analysis/routine quality control is on your finger tips for a click!
- All-in-one database with multi-user access.
- As of now it has 5000 methods and is updated regularly.

<http://ebabe.gsblifesciences.org>

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4th World Congress on

Bioavailability & Bioequivalence

Pharmaceutical R & D Summit

April 15-17, 2013 Sheraton Miyako Hotel Osaka, Japan



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