

# 7th Annual Conference

## Discovery through Commercialization: Innovative Strategies for Individualized Health Care

November 1-4, 2012  
ID #12659 | Hyderabad International Convention Center



### PROGRAM ADVISOR

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**N. Udupa**  
Professor and Principal  
College of Pharmaceutical Sciences, Manipal, India

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### KEYNOTE SPEAKERS



**Paul Huckle**  
Senior Vice President,  
Global Regulatory Affairs  
GlaxoSmithKline



**Adrian McKemey**  
Practice Leader, Product Development  
& Commercialization  
Quintiles

Over a period of time, there has been a paradigm shift in the way medicines are being developed. Therapy is becoming patient-centric and technology is driving real-time monitoring of patient responsiveness. This necessitates changes in the way every aspect of the health care industry, from discovery through development, manufacturing, and finally commercialization operate.

This conference will include multiple tracks focusing upon the confluence of discovery, development, manufacturing and commercialization towards the development of innovative, path-breaking strategies in the realm of personalised health care. The conference will address the strategy for drug discovery and clinical development pipeline and faster time to market in the era of blockbuster patent expiries and issues of integrating and streamlining data flows across the entire life cycle of the molecule, and the standardization and rigor that needs to be implemented. It will also stress upon the ethical, legal, social and regulatory and financial and investment challenges impacting all of the above and how processes and technology will need to be upgraded to support the same.

### PROGRAM CO-CHAIRS



**Nimita Limaye, PhD**  
Vice President  
Biometrics & Medical Writing  
Tata Consultancy Services



**Vishwanath Iyer, PhD**  
Head, Oncology Biometrics  
Novartis Healthcare

### PROGRAM HIGHLIGHTS

- Discovery: Bioinformatics, Next Gen Sequencing, Lead optimization - the need for speed
- Development: Barriers and drivers relevant to clinical development across clinical operations, data management, biostatistics, programing, and medical writing, highlighting systems biology paradigm (e.g. pharmacogenomics, metabolomics) and innovative developmental approaches (e.g. chronotherapeutics, microdosing)
- Manufacturing: Flexible solutions to adapt to the evolving global regulatory scenario and quality standards
- Commercialization: Health economics and outcomes research driving product and pricing strategy, patient access, payor challenges, Go-to-investors and financial/partnering strategies for product development
- Regulatory, ethical, social and legal issues: data privacy and consent issues in the evolving technologies related to personalized medicine
- Technology and Standards: Technology - SOA, the Cloud and the future, Data and Semantic Interoperability Technology, GRC (Governance, Regulation and Compliance) all focused on Personalized Medicine.
- Lean strategy: The application of Lean in pharmacovigilance, medical writing, clinical operations and site performance. Driving the critical path.

9.00-12.00AM

**QbD: A Challenge to the Pharma Industry (MR 1.01)****INSTRUCTORS****V. Venkateswarlu**

Vice President, Functional Head of Formulation Development, Bioequivalence and Clinical Pharmacokinetics Packaging Development - Integrated Product Development, Dr. Reddy's Laboratories

**R. Manikandan**

Associate Director, Formulation Development  
Dr. Reddy's Laboratories

Quality by Design is defined as a systematic approach to development that begins with predefined objectives and emphasizes product and process understanding and process control, based on sound science and quality risk management. The important stakeholders involved in this process are patients, industry and regulators. For patients, it is quality, efficacy and safety, for industry, it is important to have quality along with cost saving and efficiency and for regulators, it is more efficient regulatory oversight. Integrating these aspects is a question to industry and regulator and hence it is a challenge to the pharma world. The reason for calling it as a challenge because the twenty-first century began with the pharmaceutical industry using development approach (empirical) and manufacturing technologies that have been employed since the 1940's. No significant changes in manufacturing process is made until it justifies the high costs and long cycle time needed to gain approval. This often resulted in inefficient, overly expensive processes. As a result, the FDA have embrace a new paradigm for regulation through Quality by Design.

The FDA belief is that, quality cannot be tested into products, but should be built-in or by design. The important elements that will enable to institutionalize this includes, quality target product profile, critical quality attribute, design space, risk assessment, control strategy and continuous improvement. The detail approach towards application of these elements is also well enumerated in ICH guidelines Q8, Q9, Q10 and Q11. Therefore, Implementation of QbD will enable transformation of the chemistry, manufacturing, and controls (CMC) review of new drug applications (NDA's) and Abbreviated new drug applications (ANDAs) into a science-based pharmaceutical quality assessment

As Janet Woodcock, Officer at FDA, stated at the 2008 PDA meeting, '*QbD is an evolution and not a revolution*' – an evolution that is in response to the increasing cost pressures on both the regulatory agencies and industry. QbD will evolve as we continue to increase our understanding and control of the manufacturing processes.

**Learning Objectives:**

- Emphasis on the importance of the Quality Target Product Profile in articulating a quantitative performance target for QbD
- Identification of critical material attributes that provide a mechanistic link of the product quality to the manufacturing process
- Critical process parameters are operating parameters and should be combined with critical material attributes to describe the relation between unit operation inputs and outputs
- Establishing the design space and enable the changes within design space
- The role of the control strategy as the mechanism for implementation of QbD elements into practice
- Life cycle management – propose post approval changes needed through continuous improvement

2.00-5.00PM

**Bioinformatics (MR 1.01)****INSTRUCTOR****Sangeeta Sawant**

Assistant Professor (Reader),  
Bioinformatics Center, University of Pune

Bioinformatics has evolved as a multidisciplinary area of science over the past few decades. It has become an integral component of research and education in life sciences. Having originated as a set of computational tools to analyze biological data such as biomolecular sequences and structures, Bioinformatics now deals with computational processing and analysis of large sets of complex data being churned out from advanced and high throughput technologies such as DNA micro-arrays, whole genome sequences, proteomics data, protein-protein interactions etc. A large variety of mathematical algorithms and statistical techniques are employed for data analysis.

Bioinformatics facilitate simple sequence-based or structure-based analyses of genes and proteins to gain insights into their molecular functions on one hand and provide insights into systems level biology through analysis of voluminous genomic or proteomic data. The paradigm shift from molecular level studies in life sciences to systems biology, genotype-phenotype correlations, insights into health and disease states, etc. is being greatly accelerated by bioinformatics applications.

**Learning Objectives:**

- To understand the scope of Bioinformatics and introduce sequence-based approaches: What can be achieved by using the sequence analysis methods
- To introduce structure-based approaches: What can be achieved by analyzing structures of biomolecules
- An overview of applications of bioinformatics-based methods in various life science areas such as drug design, genetics and genetic diseases, infectious and parasitic diseases, immunology, etc.

2.00-5.00PM

**Personalized Medicine (Organiser's Suite)****INSTRUCTORS****Carol Isaacson Barash**

Principal, Helix Health Advisors  
Adjunct Prof. Personalized  
Medicine, Regis College

**Jeffrey N Gibbs**

Director  
Hyman, Phelps & McNamara P.C.

It is an introduction to the field of personalized medicine and how and why it is revolutionizing the practice of medicine. Topics include pharmacogenetics/pharmacogenomics, molecular diagnostics used to tailor therapies, companion diagnostics and strategies for revitalizing older drugs. An overview of current and emerging technologies used, therapeutic domains and regulatory challenges and ethical issues will be discussed.

**Attendees will:**

- Understand the FDA regulatory system for *in vitro* diagnostics, and what that means for the drug approval process
- Learn how to work collaboratively with *in vitro* diagnostic companies during the clinical trial and the application process to obtain approval of drug and the companion diagnostic
- Learn how to structure contracts with an *in vitro* diagnostic company developing a companion diagnostic for your drug
- Learn about the pitfalls on the path to getting approval of the companion diagnostic for your drug
- Learn about FDA regulation of laboratory developed tests (LDTs) and the role of LDTs in companion diagnostics
- Learn stakeholder interests and concerns
- Learn ethical issues in clinical trials and informed consent
- Learn privacy issues in data collection, storage, use and disclosure

8.15-9.00 AM	REGISTRATION
9.00-9.15 AM	OPENING CEREMONY (HALL 1 & 2)
9.15-9.45 AM	KEY NOTE ADDRESS BY PAUL HUCKLE, SENIOR VICE PRESIDENT, GLOBAL REGULATORY AFFAIRS, GLAXOSMITHKLINE (HALL 1 & 2)
9.45-10.15 AM	KEY NOTE ADDRESS BY ADRIAN MCKEMEY, PRACTICE LEADER, PRODUCT DEVELOPMENT & COMMERCIALIZATION, QUINTILES (HALL 1 & 2)
10.30-11.30 AM	TEA BREAK, POSTER AND EXHIBIT VISIT (HALL 5 & 6)

11.30 AM-1.00 PM CONCURRENT SESSIONS		
<p><b>SESSION 1 - DISCOVERY 1</b>  <b>Target Discovery (G.01)</b>  <b>SESSION CHAIR</b>  <b>V. N. Balaji</b>                  Consultant                  Discovery Research</p> <p>Applications of Next Generation Sequencing and Genomics—from Target Discovery to Clinical Trials and Beyond  <b>Raja Mugasimangalam</b>                  Founder and CEO                  Genotypic Technology</p> <p>Distilling Omics Data for Drug Discovery  <b>Kalpana Krishnaswamy</b>                  Founder and CEO                  Metaome Science Informatics</p> <p>Homology Modeling of Proteins and Ligand Docking: How close are we to drug discovery?  <b>R. Sowdhamini</b>                  Associate Professor                  National Centre for Biological Sciences</p>	<p><b>SESSION 2 - COMMERCIALIZATION 1</b>  <b>Health Economics and Valuation (Hall 1 &amp; 2)</b>  <b>SESSION CHAIR</b>  <b>Shashidhar Rao</b>                  Head Global Medical Affairs and HEOR                  India Operations                  Novartis Healthcare</p> <p>New Molecules: Paths to their Development and Commercialization in India  <b>Nidhi Saxena</b>                  Founder and CEO                  Karmic Lifesciences</p> <p>Personalization and Regulatory Framework  <b>Arun Bhatt</b>                  President                  Clininvent Research</p> <p>Approach to Early Phase Health Economics Evaluations  <b>Adrian McKemey</b>                  Practice Leader, Product Development &amp; Commercialization                  Quintiles</p>	<p><b>SESSION 3 - TECHNOLOGY &amp; STANDARDS 1</b>  <b>Technology for Personalized Medicine – SOA, the Cloud and the Future (G.02)</b>  <b>SESSION CHAIR</b>  <b>Nikhil Kumar</b>                  President                  Applied Technology Solutions, Inc.</p> <p>War on Drug Failure &amp; Key Role of Information Technology  <b>Dnyanesh Limaye</b>                  Professor and HoD - Pharmacology                  Oriental College of Pharmacy                  Mumbai University</p> <p>Pharma and CRO Industries adoption of SOA, SaaS and Cloud Technologies – Key Success Factors  <b>Raghu Punnamraju</b>                  Director, Clinical Trials Management Systems Engineering and PI Technology                  Perceptive Informatics (A PAREXEL Company)</p> <p>Technology for Personalized Medicine and the Pharmaceutical Industry  <b>Nimita Limaye</b>                  Vice President, Biometrics &amp; Medical Writing                  Tata Consultancy Services</p> <p><b>Nitin Kumar</b>                  Intern                  Applied Technology Solutions, Inc.</p>

1.00-2.00 PM	NETWORKING LUNCH - POSTER AND EXHIBIT VISIT
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2.00-3.30 PM CONCURRENT SESSIONS

<p><b>SESSION 4 - DEVELOPMENT 1</b>  <b>Public Knowledge and Perceptions as Drivers or Barriers to the Future of Clinical Research in India (G.01)</b>  <b>SESSION CHAIR</b>  <b>Larisa Nagra Singh</b>                  Vice President                  Global Functional Resourcing, Asia Quintiles, Singapore</p> <p>PARTAKE Program and Survey of Public Knowledge and Perceptions of Clinical Research  <b>Larisa Nagra Singh</b>                  Vice President                  Global Functional Resourcing, Asia Quintiles, Singapore</p> <p>Challenges of Drug Development in India – The Relevance of Public Awareness and Partnership  <b>Krathish Bopanna</b>                  President and CEO                  Semler Research</p> <p>The Role of Stakeholder Collaborations in the Ethical Conduct of Clinical Research  <b>Nandini Kumar</b>                  Former Deputy Director General                  Senior Grade Investigator NIH project                  National Institute of Epidemiology</p>	<p><b>SESSION 5 - COMMERCIALIZATION 2</b>  <b>Product and Pricing Strategy and Payor Challenges (G.02)</b>  <b>SESSION CHAIR</b>  <b>Ranga Iyer</b>                  Healthcare Consultant</p> <p>Sizing the Opportunity, Market Driven Commercialization of Products  <b>Dhananjay Bakhle</b>                  Executive Vice President, Medical Research                  Lupin Pharmaceuticals</p> <p>Pricing and Access Strategies  <b>Ranga Iyer</b>                  Healthcare Consultant</p> <p>Using Real World Evidence to Drive Access Strategies  <b>Simu Thomas</b>                  Global Head, HE&amp;OR Modeling &amp; Executive Director, Health Economics &amp; Outcomes Research                  Novartis Healthcare, USA</p>	<p><b>SESSION 6 - OUTSOURCING 1</b>  <b>Outsourcing Strategy (Hall 1 &amp; 2)</b>  <b>SESSION CHAIR</b>  <b>Baljit (Boo) Samra</b>                  Corporate Vice President &amp; Country Manager, India                  PAREXEL International</p> <p>Evolution of Outsourcing Models in Clinical Research  <b>Joseph C. Avellone</b>                  Corporate Senior Vice President                  Clinical Research Services, Worldwide                  PAREXEL International</p> <p>Outsourcing Challenges and Ethical Practices  <b>Raj Sinha</b>                  Director, Global Functional Resourcing                  Quintiles</p> <p>Trends in Early Phase Outsourcing  <b>Mukesh Kumar</b>                  Director &amp; Clinical Research Lead,                  AP Disease Profile                  Therapeutic Strategy Unit                  Asia Pacific R &amp; D                  Sanofi</p>
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3.30-4.30 PM TEA BREAK, POSTER AND EXHIBIT VISIT

4:30-6:00 PM CONCURRENT SESSIONS

<p><b>SESSION 7 - REGULATORY 1</b>  <b>Regulatory, Ethical &amp; Social Policy Issues in Personalized Medicine: Discovery to Clinic (Hall 1 &amp; 2)</b>  <b>SESSION CHAIR</b>  <b>Carol Isaacson Barash</b>                  Principal, Helix Health Advisors                  Adjunct Prof. Personalized Medicine                  Regis College</p> <p>Bridging the Gap: Co-Development of Targeted Therapeutics and Companion Diagnostics in the US and Europe  <b>Patrick Larcier</b>                  Clinical Development &amp; PV                  Voisin Consulting</p> <p>Ethical Issues: Indian Scenario  <b>Arun Bhatt</b>                  President                  Clininvent Research</p> <p>Personalized Medicine, Data Needs &amp; Bumping Up Against Ethics  <b>Carol Isaacson Barash</b>                  Principal, Helix Health Advisors                  Adjunct Prof. Personalized Medicine                  Regis College</p>	<p><b>SESSION 8 - LEAN SIX SIGMA 1</b>  <b>Lean Six Sigma – Pharmacovigilance, Site Performance and Clinical Operations (G.01)</b>  <b>SESSION CO-CHAIRS</b>  <b>Nimita Limaye</b>                  Vice President                  Tata Consultancy Services</p> <p><b>Helle Gawrylewski</b>                  Senior Director, Regulatory Medical Writing                  Janssen R&amp;D Companies of J&amp;J, USA</p> <p>Applying Lean Methodology in Pharmacovigilance  <b>Dinesh Kasthuril</b>                  Director, Safety and Risk Management                  Sciformix</p> <p>Improving Process Efficiencies in Clinical Operations – The Lean Approach  <b>Guy Schiller</b>                  Vice President, Business Process Excellence                  PAREXEL International</p> <p>Lean Sigma: Improving Site Performance Using Continuous Process Improvement Methods is Key to Sustained Clinical Development  <b>Suresh Ramu</b>                  Co-founder and CEO                  Cytespace Research</p>	<p><b>SESSION 9 - PV 1</b>  <b>Patient Safety - A Well Rounded View from the Stakeholders (G.02)</b>  <b>SESSION CHAIR</b>  <b>Vivek Ahuja</b>                  Director, Pharmacovigilance - Asia Pacific                  Baxter Healthcare</p> <p>Outsourcing Pharmacovigilance Services: Why India can/cannot be the World Leader  <b>(TBC)</b></p> <p>Pharmacovigilance Challenges and Complexities in Global Clinical Trials  <b>Sanjeev Miglani</b>                  Vice President                  Pharmacovigilance &amp; Medical Writing                  Accenture</p> <p>Understanding the Concept of ‘Pharmacovigilance sans Frontières’ to Ensure Effective Patient Safety  <b>Vivek Ahuja</b>                  Director, Pharmacovigilance - Asia Pacific                  Baxter Healthcare</p>
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9.00-10.30 AM CONCURRENT SESSIONS

<p><b>SESSION 10 - DISCOVERY 2</b> <b>Lead Discovery (G.01 &amp; G.02)</b></p> <p><b>SESSION CHAIR</b> <b>Raman Govindarajan</b> Head R&amp;D Sanofi</p> <p>Impact of Structural Biology on Drug Discovery <b>Ajith Kamat</b> Head, Strategic Research Partnerships Pfizer</p> <p>Lead Identification and Optimization in Small Molecular Drug Discovery: SBDD Case Studies <b>Vellarkad N. Viswanadhan</b> Vice President Jubilant Biosys</p> <p>Application of Parallel Medicinal Chemistry Strategies for Rapid and Efficient Optimization of Adenosine A1 Receptor Modulators <b>(TBC)</b></p>	<p><b>SESSION 11 - COMMERCIALIZATION 3</b> <b>Go to Investors (G.03 &amp; G.04)</b></p> <p><b>SESSION CHAIR</b> <b>R. B. Smarta</b> Founder and Managing Director Interlink Marketing Consulting</p> <p>Mergers or Partners <b>D A Prasanna</b> Chairman and Managing Director Ecron Acunova</p> <p>Branding: An Essential Tool to Attract Investment <b>Madeline Ducate</b> Executive Vice President, Global Operations Pharm-Olam International</p> <p>Funding and Investing in New Product Development <b>Anil Kamath</b> Founder Chairman Esemcee Advisors</p>	<p><b>SESSION 12 - MANUFACTURING 1</b> <b>Quality Management in Manufacturing (G.05 &amp; G.06)</b></p> <p><b>SESSION CHAIR</b> <b>Sunil Singhai</b> Vice President - Tech Transfer Dr. Reddy's Laboratories</p> <p>Potent Product Process and Facility Design <b>Sunil Singhai</b> Vice President - Tech Transfer Dr. Reddy's Laboratories</p> <p>Quality Management Process in Facility Development <b>Vinay Nayak</b> President Alembic Pharmaceuticals</p> <p>World Class Manufacturing- A Challenge and Opportunity for the Indian Pharma Industry <b>Pushpinder Bindra</b> CEO Zenith and Beyond</p> <p>Case Study: Integration of Patient Needs, and Quality Requirements in Recent Times has Enforced Application of "Quality by Design (QbD)" and "Process Analytical Technology (PAT)" to development of Therapeutic Vaccines <b>Nicolas Cappuccino</b> Global Head, Quality Dr. Reddy's Laboratories</p>
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10.30-11.30 AM TEA BREAK AND EXHIBIT VISIT

## DIA India Membership

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### For details, contacts:

Manoj Trivedi

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email: Manoj.Trivedi@diaindia.org



11.30 AM-1.00 PM CONCURRENT SESSIONS

<p><b>SESSION 13 - DEVELOPMENT 2</b>  <b>Evolving Roles of Personnel Involved in Clinical Trials – Panel Discussion (G.01 &amp; G.02)</b>  <b>SESSION CHAIR</b>  <b>Sam Mathew</b>                  Process Lead-Medical Writing                  Accenture Services</p> <p><b>Ajit Nair</b>                  Global Head - Clinical Services                  Tata Consultancy Services</p> <p><b>Partha Chakraborty</b>                  Senior Director &amp; Global Delivery Head, R&amp;D                  Cognizant Technology Solutions</p> <p><b>Shubhadeep Sinha</b>                  Head (Global) &amp; Associate Vice President                  Clinical Development &amp; Medical Affairs (CD&amp;MA)                  Hetero Group</p>	<p><b>SESSION 14 - LEAN SIX SIGMA 2</b>  <b>Lean Six Sigma – Medical Writing (G.03 &amp; G.04)</b>  <b>SESSION CO-CHAIRS</b>  <b>Nimita Limaye</b>                  Vice President                  Tata Consultancy Services  <b>Helle Gawrylewski</b>                  Senior Director, Regulatory Medical Writing                  Janssen R&amp;D Companies of J&amp;J, USA</p> <p>Panel Discussion - Thinking Lean in Medical Writing: Driving Change...</p> <p><b>Paul Sokol</b>                  Senior Director                  Neuroscience Therapeutic Area Head Reg MW                  Janssen Research &amp; Development PRD</p> <p><b>Shashidhar Rao</b>                  Head Global Medical Affairs and HEOR, India                  Operations                  Novartis HealthCare</p> <p>Offshoring Medical Writing: Lean Project Management Strategy</p> <p><b>Paul Sokol</b>                  Senior Director                  Neuroscience Therapeutic Area Head Reg MW                  Janssen Research &amp; Development</p> <p><b>Seema Gurbani</b>                  Assistant Manager                  Tata Consultancy Services</p> <p>Improving the Sigma Level of Medical Writing</p> <p><b>Shashidhar Rao</b>                  Head Global Medical Affairs and HEOR, India                  Operations                  Novartis Healthcare</p> <p><b>Murthy Palli</b>                  Operations Manager                  Novartis Healthcare</p>	<p><b>SESSION 15 MANUFACTURING 2</b>  <b>Personalized medicine and challenges ahead for Biomanufacturing in India (G.05 &amp; G.06)</b>  <b>SESSION CHAIR</b>  <b>Subir Basak</b>                  President                  Jubilant Biosys</p> <p>Pharmacogenomics for Personalized Medicine: Optimizing use of Drug and Drug Combinations to Improve Patient Outcome</p> <p><b>Jugnu Jain</b>                  Director                  Saarum Sciences</p> <p>Quality Control, a Necessary Paradigm when 'Leaning Out' Operations, as Pharmaceuticals Shift from the Blockbuster Model to Personalized Gene Therapies and Gene-specific Small-molecule Treatments</p> <p><b>Swapnil Ballal</b>                  Quality Lead                  Biocon</p> <p>BioManufacturing in India</p> <p><b>Subir Basak</b>                  President                  Jubilant Biosys</p>
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1.00-2.00 PM NETWORKING LUNCH AND EXHIBIT VISIT

2.00-3.30 PM CONCURRENT SESSIONS

<p><b>SESSION 16 - DISCOVERY 3</b>  <b>Pre-clinical Discovery and Development (G.01 &amp; G.02)</b>  <b>SESSION CHAIR</b>  <b>Vishwanath Iyer (Mahesh)</b>                  Head, Oncology Biometrics                  Novartis Healthcare</p> <p>Translational Approaches to Target Validation, Drug Action and Patient Response Characterization  <b>Raman Govindarajan</b>                  Head, R&amp;D India                  Sanofi</p> <p>Imaging as a Biomarker In Early Stage Development  <b>Smita Pandit</b>                  Director, Imaging Operations                  Perceptive Informatics (A PAREXEL Company)</p> <p>Pharmacovigilance and Drug Safety  <b>Shwetha Kamath</b>                  Drug Safety Physician                  Accenture</p>	<p><b>SESSION 17 - REGULATORY 2</b>  <b>Scientific, Regulatory and Ethical Challenges in Advancing Personalized Medicine (G.03 &amp; G.04)</b>  <b>SESSION CHAIR</b>  <b>Carol Isaacson Barash</b>                  Principal, Helix Health Advisors                  Adjunct Prof. Personalized Medicine                  Regis College</p> <p>Realizing the Promise of Personalization through Healthcare Mass Commercialization  <b>Sagar Kamarthi</b>                  Associate Professor                  Department of Mechanical and Industrial Engineering                  Northeastern University, Boston</p> <p>Regulatory Challenges for Molecular and Companion Diagnostics  <b>Jeffrey N. Gibbs</b>                  Director                  Hyman, Phelps &amp; McNamara, P. C.</p> <p>Ethical Issues in Individualized Health Care — Seeking Solutions in a Complex World  <b>Aamir Shaikh</b>                  Founder                  Assansa</p> <p>Personalized Nutrition: Parallels from Personalized Medicine  <b>Emanuelle Voisin</b>                  CEO and Principal                  Voisin Consulting</p>	<p><b>SESSION 18 - TECHNOLOGY &amp; STANDARDS 2</b>  <b>Data and Semantic Interoperability in Personalized Medicine (G.05 &amp; G.06)</b>  <b>SESSION CHAIR</b>  <b>Nikhil Kumar</b>                  President                  Applied Technology Solutions, Inc., USA</p> <p>Semantic Interoperability, Data and Personalized Medicine  <b>Nikhil Kumar</b>                  President                  Applied Technology Solutions, Inc., USA</p> <p>CDASH Standards Library Implementation Across Multiple EDC Systems and its Potential Benefits  <b>Sunish Raj</b>                  Manager, GRO                  PAREXEL International</p> <p>Harmonization of Clinical Data Standards  <b>Senthil Raja</b>                  Manager, Clinical DB Programming                  PAREXEL International</p>
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3.30- 4.30 PM TEA BREAK AND EXHIBIT VISIT

4:30-6:00 PM CONCURRENT SESSIONS

<p><b>SESSION 19 - DEVELOPMENT 3</b>  <b>Current Challenges in Clinical Development in India (G.01 &amp; G.02)</b>  <b>SESSION CHAIR</b>  <b>Vishwanath Iyer (Mahesh)</b>                  Head, Oncology Biometrics                  Novartis Healthcare</p> <p>Challenges in conducting Clinical trials in India: Sponsor's perspective  <b>Bobby George</b>                  Asst Vice President &amp; Head Regulatory Affairs                  Reliance Life Sciences</p> <p>Finding New Drugs for the Treatment of Neglected Diseases: Trials and Tribulations  <b>T Balganes</b>                  Distinguished Scientist Head of OSDD unit                  Council of Scientific and Industrial Research (CSIR)</p> <p>Current Ethics related Challenges in Clinical Development in India  <b>Shoibal Mukherjee</b>                  Vice President and Head                  Asia Medical Sciences Group                  Quintiles</p>	<p><b>SESSION 20 - THERAPEUTICS 1</b>  <b>Therapeutics — Pharmacology and Applications in Personalise Medicine (G.03 &amp; G.04)</b>  <b>SESSION CHAIR</b>  <b>Vishwas Sovani</b>                  Country Manager                  Revogenex, Inc.</p> <p>Personalised Medicine Pharmacological basis  <b>Vishwas Sovani</b>                  Country Manager                  Revogenex, Inc.</p> <p>Therapeutic Applications of Personalized Medicine  <b>Mangesh Kulkarni</b>                  Group Head, DS&amp;E                  Novartis Healthcare</p> <p>Ready to use Kits for Personalized Medicine  <b>Mukesh Agrawal</b>                  Vice President, CRL                  Vimta Labs</p>	<p><b>SESSION 21 - MANUFACTURING 3</b>                  PANEL DISCUSSION  <b>Panel Discussion on Regulatory in Manufacturing (G.05 &amp; G.06)</b>  <b>PANELISTS</b></p> <p><b>Regulators Invited</b></p>
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6.00 PM DAY END

9:00-10:30 AM CONCURRENT SESSIONS

## SESSION 22 - DEVELOPMENT 4

**Shifting Paradigms in Clinical Research (G.01 & G.02)****SESSION CHAIR****Y. K. Gupta**

Prof. & HoD, Department of Pharmacology & Nephrology,  
AIIMS

Design of Drug Clinical Trials  
Incorporating a Companion Diagnostic

**Rajashree Devarakonda**

Director  
Voisin Consulting

The Prospect of Microdosing Trials in  
India

**Y. K. Gupta**

Prof. & HOD, Department of Pharmacology &  
Nephrology  
AIIMS

Private-Academic Collaborations  
in Clinical Research: An Emerging  
Paradigm

**Sanjay Mittal**

Director - Research and Clinical Cardiology  
Medanta - The Medicity

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**Generics**

August | Hyderabad

**8th Annual Meeting**

October | Mumbai

To know more on the upcoming flagship conferences at DIA in India write to [Manoj.Trivedi@diaindia.org](mailto:Manoj.Trivedi@diaindia.org)

10.30- 11.30 AM TEA BREAK AND EXHIBIT VISIT

11.30 AM-1.00 PM CONCURRENT SESSIONS

## SESSION 23 - DEVELOPMENT 5

**Current Topics in Biostatistics (G.01 & G.02)****SESSION CHAIR****Munish Mehra**

President  
Global Alliance of Indian Biomedical  
Professionals, USA

Development and Validation of  
Threshold-based Prognostic and  
Predictive Biomarker Signatures for  
Personalized Medicine Strategy

**Arunava Chakravarty**

Data Sciences Team Leader, Asia  
Unilever R&D.

Dealing with Multiplicity Issues When  
Assessing Benefit in Targeted Sub-  
populations - A Case Study

**Vishwanath Iyer (Mahesh)**

Head, Oncology Biometrics  
Novartis Healthcare

Best Practices in Handling of Missing  
Data Including Use of Method of Multiple  
Imputations

**Munish Mehra**

President  
Global Alliance of Indian Biomedical  
Professionals

## SESSION 24 -TECHNOLOGY &amp; STANDARDS 3

**GRC (Governance, Regulation & Compliance) and Personalized Medicine (G.03 & G.04)****SESSION CHAIR****Nikhil Kumar**

President  
Applied Technology Solutions, Inc, USA

GRC and Personalized Medicine - The  
Evolving Impact of HIT and Personalized  
Medicine on GRC and its Implications

**Nikhil Kumar**

President  
Applied Technology Solutions, Inc., USA

Complete Outsourced Pharmacovigilance  
Operations, Database and Reporting  
24x7 Available Interaction Center

**Femida Gwadry-Sridhar**

Director, Health Informatics  
Lawson Health Research Institute

Technical Challenges in Large Safety  
Implementation

**Anjani Kumar Jha**

Director  
November Research Group

1.00-2.00 PM NETWORKING LUNCH AND EXHIBIT VISIT



2.00-3.30 PM CLOSING PLENARY SESSION

**Personalized Precision Medicine: Regulatory, Financial and Ethical Challenges to Ensuring its Growth (G.01 to G.04)****SESSION CHAIR****Carol Isaacson Barash**

Principal, Helix Health Advisors

Adjunct Prof. Personalized Medicine, Regis College

Regulatory Pitfalls in Getting IVDs and Companion Diagnostics  
FDA Approved Communication with the FDA**Jeffrey N. Gibbs**

Director

Hyman, Phelps &amp; McNamara, P. C.

**Arun Mishra**Director, Global Regulatory Affairs  
Asia-Pacific, Japan, Emerging Markets  
GlaxoSmithKline**Shoibal Mukherjee**Vice President and Head  
Asia Medical Sciences Group  
Quintiles**Nandini Kumar**Former Deputy Director General  
Sr. Grade Investigator NIH project  
National Institute of Epidemiology**Femida Gwadry-Sridhar**Director, Health Informatics  
Lawson Health Research Institute**Sagar Kamarthi**Associate Professor  
Department of Mechanical and Industrial Engineering  
Northeastern University, Boston

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# REGISTRATION FORM/ INVOICE

7th Annual Conference - Meeting ID #12659 - November 1-4, 2012 - Hyderabad International Convention Center

## REGISTRATION FEES (Please tick the applicable fee)

FOR DIA MEMBERS ONLY			
	BASIC RATE	TAXES	TOTAL
Industry	9000	1112	<input type="checkbox"/> INR 10112
Academia	4500	556	<input type="checkbox"/> INR 5056
Student	4000	494	<input type="checkbox"/> INR 4494

FOR NON MEMBERS ONLY			
	BASIC RATE	TAXES	TOTAL
Industry	10000	1236	<input type="checkbox"/> INR 11236
Academia	6000	742	<input type="checkbox"/> INR 6742
Student	4500	556	<input type="checkbox"/> INR 5056

FOR TWO DAY REGISTRATION ONLY			
	BASIC RATE	TAXES	TOTAL
Industry	8000	989	<input type="checkbox"/> INR 8989
Academia	4500	556	<input type="checkbox"/> INR 5056
Student	3000	371	<input type="checkbox"/> INR 3371

TUTORIAL			
	BASIC RATE	TAXES	TOTAL
Industry	3000	371	<input type="checkbox"/> INR 3371
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Registration fee includes refreshment breaks, luncheons, and conference material. \*Includes Membership. \*\*A limited number of student registrations are available. A student is an undergraduate/graduate who can document enrollment in a Signature accredited, degree granting, academic program. Please send completed registration form, copy of student identification, and payment.

### CANCELLATION POLICY: CANCELLATIONS MUST BE IN WRITING AND RECEIVED ON OR BEFORE SEPTEMBER 30, 2012.

Registrants who do not cancel in writing by that date and do not attend the event will be responsible for the full registration fee paid. Registrants are responsible for cancelling their own hotel and airline reservations. If the event is cancelled, DIA is not responsible for any airfare, hotel or other costs incurred by registrants. **Upon cancellation, the administrative fee that will be withheld is: Industry - INR 6,000 | Academia/ Student - INR 3,500 | Tutorial - INR 3,371.**

(All refunds will be issued in the currency of original payment.)

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## REGISTRATION PROCESS

Registration form should be duly filled and signed by the authorized person. You are requested to email the duly filled and signed registration form to [rhean.dsouza@diaindia.org](mailto:rhean.dsouza@diaindia.org) first and then courier it along with registration fees within 5 working days. All registrations along with the registration fees should reach DIA (Mumbai office) before the conference. For clarifications call Rhean D'Souza on +91.98205.87798

## DELEGATE DETAILS

(Please write all details in full caps)

Please check the applicable category:

3 Days |  2 Days -  Nov 2nd  Nov 3rd  Nov 4th

Academia  Government  Industry  CRO  Non-Member  Member : Customer ID No.: \_\_\_\_\_

<input type="checkbox"/> Dr. <input type="checkbox"/> Mr. <input type="checkbox"/> Ms.	First Name	Last Name (Family Name)	
Job Title	Organisation/ Company/ Institute Name		
Address (Please write your address in the format required for delivery to your country.)		<input type="checkbox"/> Business Address <input type="checkbox"/> Home Address	
Postal Code	City	State	Country
Telephone Number	Fax Number	Mobile Number	
email (Required for confirmation)		Authorised Signatory	
Payment contact person's Full Name		Telephone Number	Email
Organisation PAN no.		<b>TOTAL PAYABLE AMOUNT</b>	

## PAYMENT INFORMATION

### BANK DETAILS:

Beneficiary Account Number : 061010200024611  
Name of Account : DIA (India) Pvt Ltd  
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### CHEQUE DETAILS:

Please send the completed form, along with draft/cheque made payable to **DIA (India) Private Limited** to: Rhean D'Souza, DIA (India) Private Limited A-303, Wellington Business Park, Andheri-Kurla Road, Marol, Andheri (East), Mumbai 400 059 India. Phone: +91.22.6765.3226

## MEETING CONTACTS

**MEETING MANAGER: Manoj Trivedi**, Senior Manager Marketing and Program Development, DIA (India) Private Limited  
Cell: +91.98.1977.7493, Tel: +91.22.6765.3226, mail: [Manoj.Trivedi@diaindia.org](mailto:Manoj.Trivedi@diaindia.org)

## HOTEL RESERVATIONS

Attendees are responsible for their hotel & airline reservations. Novotel & HICC Complex is holding a block of rooms at the reduced rate mentioned below until September 30, 2012, for the DIA event attendees. Room availability at this rate is guaranteed only until this date or until the block is filled.

**Single INR 7500 (Inclusive of taxes and breakfast)**

### CONTACT: Burzin Patel

email: [bkpatel@hicc.com](mailto:bkpatel@hicc.com)  
Tel: +91.40.6613.4422; Fax: +91.40.6613.4322  
Add: Novotel & HICC Complex (near Hitec City), PO Bag 1101, Cyberabad Post Office, Hyderabad - 500 081