Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

3rd World Congress on Biotechnology

September 13-15, 2012 HICC, Hyderabad, India



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OMICS Group Conferences
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Day 1 September 13, 2012

08:30-09:30 Registrations

Hall 3

09:30-10:30

Opening Ceremony

Coffee Break 10:30-10:45

Keynote Forum

10:50-11:15 **Jag H. Khalsa**
National Institute of Health, USA

11:15-11:40 **Mukesh Verma**
National Institutes of Health, USA

11:40-12:05 **Jeymohan Joseph**
National Institute of Health, USA

Lunch Break 12:05-12:50

Hall 3

Track 1-2: Plant Biotechnology & Crop Improvement

Session Introduction

12:50-13:10 **Title: Functional analysis of novel genes expressed specifically in the early maturation of sesame seeds**
Motonobu Yoshida, Kinki University, Japan

13:10-13:30 **Title: Production of compact poinsettia (Euphorbia pulcherrima Willd. Ex Klotzsch) plants by using Agrobacterium-mediated transformation**
Md. Ashraful Islam, Bioforsk- Norwegian Institute for Agricultural & Environmental Research, Norway

13:30-13:50 **Title: Chemotaxonomy of Tinospora cordifolia male and female type plants/parts using HRMS techniques their biological activity and identification of markers for gender distinction**
Brijesh Kumar, Central Drug Research Institute, India

13:50-14:10 **Title: Root-knot nematode and Fusarium wilt control through Paecilomyces species**
Satyawati Sharma, Indian Institute of Technology, India

14:10-14:30 **Title: Impact of national certification system for tissue culture raised plants (ncs-tcp) on Indian plant tissue culture industry: A unique quality management system for commercial plant tissue culture**
Shiv Kant Shukla, Biotech Consortium India Limited, India

14:30-14:50 **Title: Studies on nutrient uptake and culture conditions for synthesis of Caffeine, (+)-Catechine, (-)-Epicatechin and (-)-Epigallocatechin gallate in anther derived haploid cell lines of tea [Camellia sinensis (L.)]**
Rakhi Chaturvedi, Indian Institute of Technology- Guwahati, India

14:50-15:10 **Title: In vitro response of Sorghum bicolor to salinity**
Kusuma Kumari Panda, AMITY University, India

Coffee Break 15:10-15:25

15:25-15:45 **Title: Survey and biocontrol of rhizome rot disease in southern India turmeric plantations**
P. Ponmurugan, K.S.Rangasamy College of Technology, India

15:45-16:05 **Title: Agrobacterium mediated genetic transformation in Solanum surattense Burma.f (from leaf explants)**
T. Ugandhar, Karimnagar Govt Degree and P.G.College, India

16:05-16:25 **Title: In vitro regeneration of multipurpose medicinal tree Stereospermum suaveolens**
Susmita Shukla, AMITY University, India

16:25-16:45 **Title: Genetic variability analysis using mycelia compatibility grouping (MCG) and molecular markers in Indian populations of Sclerotinia sclerotiorum causing stem rot in chickpea**
Asit Kumar Mandal, Directorate of Seed Research, India

16:45-17:05 **Title: Influence of bioinoculants on soil phosphatase activity and nutrients (N, P, K, Cu, Zn, Fe and Mn) status in the rhizosphere of Stevia rebaudiana (Bert.) plants**
G.Ramakrishnaiah, Sree Vidyanikethan Engineering College, India

17:05-17:25 **Title: Microbial conversion of plant based polyunsaturated fatty acid (PUFA) to long chain PUFA and its identification by gas chromatography**
Shilpa Deshpande, Sharad Pawar College of Pharmacy, India

17:25-17:45 **Title: Modification of production medium for enhanced gum production by Xanthomonas campestris pv. campestris**
Sutanu Samanta, Lovely Professional University, India

17:45-18:05 **Title: Identification and genetic purity testing of ANGRAU cotton F1 hybrids using SSR markers**
Sambasiva Rao Palaparthi, Institute of Biotechnology-Hyderabad, India

18:05-18:15 **Panel Discussion**

MR 1.03

Track 1-1: Advances in Animal Biotechnology

Session Introduction

12:50-13:10 **Title: Tropomyosin expression in vertebrate hearts in relation to cardiogenesis and cardiomyopathies**
Dipak K. Dube, SUNY Upstate Medical University, USA

13:10-13:30 **Title: Delayed seroconversion to STLV-1 infection is associated with mutations in the pol and rex gene**
Syamalima Dube, SUNY Upstate Medical University, USA

13:30-13:50 **Title: Molecular analysis of candidate genes for mastitis in Murrah buffaloes (Bubalus bubalis)**
Archana Verma, National Dairy Research Institute, India

13:50-14:10 **Title: Evaluation of the effect of a DNA vaccine encoding Mycobacterium avium paratuberculosisis (Map) in mice**
Rajib Deb, Indian Veterinary Research Institute, India

14:10-14:30 **Title: Bone marrow cells contribute to tubular epithelium regeneration following acute kidney injury induced by mercuric chloride**
Neelam Yadav, Dr. Ram Manohar Lohia Avadh University, India

14:30-14:50 **Title: Expressions of sperm-specific genes in normal and motility impaired semen producing crossbred frieswal (HF X Sahiwal) bulls**
Indrajit Ganguly, National Bureau of Animal Genetic Resources, India

14:50-15:10 **Title: Genetic polymorphism of milk proteins: Relationship with milk compositional traits in Indian goat breeds**
Ajoy Mandal, Central Institute for Research on Goats, India

Coffee Break 15:10-15:25

15:25-15:45 **Title: Dose dependent effect of protein synthesis inhibitor on the developmental potency of parthenogeneticgoat embryos**
S D Kharche, Central Institute for Research on Goats, India

15:45-16:05 **Title: Feed enzymes: A biotechnological approach in poultry feed formulation**
S. P. Muthukumar, Central Food Technological Research Institute, India

16:05-16:25 **Title: Nucleotide diversity in promoter of bone morphogenetic protein receptor type IB (BMPR1B) gene in Indian goats**
Sonika Ahlawat, National Bureau of Animal Genetic Resources, India

16:25-16:45 **Title: New genetic polymorphism of goat KiSS-1 gene**
Rekha Sharma, National Bureau of Animal Genetic Resources, India

16:45-16:55 **Panel Discussion**

Track 1-4: Nanobiotechnology
Track 1-5: Aquaculture & Marine Biotechnology

Session Introduction

16:55-17:15 **Title: Preparation of emulsified encapsulated bovine serum albumin nanoparticles of Azadirachta indica alkaline phosphatese**
Kirti Rani, AMITY University, India

17:15-17:35 **Title: Bio-sensor in engineering**
Awadhesh Kumar Singh, Maharaja Agrasen Institute of Technology, India

17:35-17:55 **Title: D-NDB- development of biomedical nano database (NDB) through microsoft access desktop web solutions**
D. Srinivasa Rao, Acharya Nagarjuna University, India

17:55-18:15	**Title: Synthesis of plant mediated gold nanoparticles using flower extracts of Carthamus Tinctorius l. (safflower) and evaluation of their biological activities** **Nagaraj B,** Shridevi Institute of Engineering & Technology, India
18:15-18:35	**Title: Targeted cancer therapies: A chemical pharmaceutics approach** **B. Surendar Reddy,** Central Drug Research Institute - Lucknow, India
18:35-18:55	**Title: Application of LC-MS and NMR Spectroscopy in marine biotechnology and biomedicine** **T. Narender,** Central Drug Research Institute, India
18:55-19:15	**Title: Studies on enzyme activity in the tissues of Labeo rohita (Ham) exposed to distillery effluent** **J. Helan Chandra,** Jeppiaar Engineering College, India
19:15-19:25	**Panel Discussion**

MR 1.04

Track 1-3: New Approaches to Industrial Biotechnology

Session Introduction

12:50-13:10	**Title: Novel antimicrobial tool for food preservation: Volatile phytochemicals and air ions** **Anushree Malik,** Indian Institute of Technology Delhi, India
13:10-13:30	**Title: Design of experiment for production of citric acid using 2-level factorial method** **R. Gopinadh,** GITAM University, India
13:30-13:50	**Title: Process analytical technologies: Application to biological batch processes** **Sumana Chenna,** Indian Institute of Chemical Technology, India
13:50-14:10	**Title: Immobilization and effect of different metallic ions, activators and inhibitors on cells of Saccharomyces cerevisiae for improving ethanol production** **Sarabjot Kaur Sohal,** Lovely Professional University, India
14:10-14:30	**Title: Essential oils and oleoresins as bio-preservatives in food** **Pushpa S Murthy,** Central Food Technological Research Institute, India
14:30-14:50	**Title: Bio-processing of silk fiber for making surgical sutures** **Gurumurthy B R,** Lovely Professional University, India
14:50-15:00	**Panel Discussion**

Coffee Break 15:00-15:15

Track 2-2: Microbial Engineering for Production of Chemicals & Pharmaceuticals
Track 2-3: Recent Advances in Biochemical Techniques

Session Introduction

15:15-15:35	**Title: Comparison between two H+/Ca2+cation exchangers CAX1 and CAX2 of Arabidopsis in functional aspect of growth and calcium accumulation in Saccharomyces cerevisiae** **Nutan Prasad Rout,** Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco, Mexico
15:35-15:55	**Title: Expression of recombinant aprotinin in Pichia pastoris: A case study** **Sachin R. Tendulkar,** Reliance Life Sciences Pvt. Ltd, India
15:55-16:15	**Title: Utilization of mixed microbial culture to mitigate carbon dioxide (CO2)** **Suresh Gupta,** Birla Institute of Technology and Science, India
16:15-16:35	**Title: A novel antibacterial compound, 2-hydroxy indole propanamide produced by Lactobacillus plantarum isolated from idli batter with probiotic potential** **Jeevaratnam Kadirvelu,** Pondicherry University, India
16:35-16:55	**Title: Isolation and partial characterization of Vibrio cholera isolated from environmental water sample in and around Chennai and a comparative study of microbiological and molecular biological identification technique** **Sujata Das,** Lovely Professional University, India
16:55-17:15	**Title: Development of novel enzyme assay procedures to determine demethylation of kraft lignin bywood-decay fungi: Modifying lignin as substitute for phenol in formaldehyde-based polymers** **Balaji Venkatesagowda,** Lakehead University, Canada
17:15-17:35	**Title: Rational engineering of mesophilic Bacillus lipase to higher thermostability: Role of proline at secondary structure** **Shelly Goomber,** Panjab University, India
17:35-17:55	**Title: Composition and functions of outer membrane vesicles from Pseudomonas syringae** **Medicharla V Jagannadham,** Cellular and Molecular Biology-Hyderabad, India
17:55-18:15	**Title: Transcript profiling of stress associated proteins in wheat (Triticum aestivum) under heat stress and their biochemical characterization for thermotolerance** **Ranjeet Ranjan Kumar,** Indian Agricultural Research Institute-New Delhi, India
18:15-18:25	**Panel Discussion**

MR 1.05

Track 2-1: New Approaches to Enzyme and Microbial Technology
Track 2-4: Microbial Physiology, Metabolism, and Gene Expression

Session Introduction

12:50-13:10	**Title: Phylogenetic screening for antibiotic producing actinomycetes from rhizospheric soils** **Olubukola Oluranti Babalola,** North-West University, South Africa
13:10-13:30	**Title: Investigations on interlinked stress response in some antarctic and mesophilic bacteria** **Madhab K.Chattopadhyay,** Centre for Cellular and Molecular Biology, India
13:30-13:50	**Title: High level expression of enantioselective lipase gene from Bacillus pumilus in E.coli** **Shafaq Rasool,** Shri Mata Vaishno Devi University, India
13:50-14:10	**Title: Enhanced anti bacterial activity of chitosan stabilized azithromycin-gold nano conjugate against clinical isolate of E.coli and Staphylococcus aureus** **S. Karthick Raja Namasivayam,** Sathyabama University, India
14:10-14:30	**Title: Study of growth kinetics for rhamnolipid production from Pseudomonas aeruginosa** **J. Satya Eswari,** Indian Institute of Chemical Technology, India
14:30-14:50	**Title: Invitro adhesion and invivo colonization are desired probiotic characters of MBTU PBBM1 Bacillus subtilis isolated from milk** **T. R. Keerthi,** Mahatma Gandhi University, India
14:50-15:10	**Title: Screening, characterization and bioinformatics analysis of pectinase producing actinomycetes from Vellore and Chittoor –An overview** **Suneetha Vuppu,** VIT University, India

Coffee Break 15:10-15:25

15:25-15:45	**Title: Isolation of Streptomyces sp. from soil and its medium optimization for microbial transglutaminase production by box-behnken design** **Gopal Samy B,** St. Michael College of Engineering & Technology, India
15:45-16:05	**Title: Preparation of emulsified encapsulated egg albumin nanoparticles of Azadirachta indica alkaline phosphatese** **Kirti Rani,** AMITY University, India
16:05-16:25	**Title: Studies on harpin- mediated cell death events in Saccharomyces cerevisiae** **Vedantam Lakshmi Vasudev,** University of Hyderabad, India
16:25-16:45	**Title: Isolation and characterisation of kerosene degrading bacteria from contaminated water** **Jisha M S,** Mahatma Gandhi University, India
16:45-16:55	**Panel Discussion**

MR 1.06

Workshop On "Recent advances in Computational biology and Structural Based Drug Designing"

Computational Biology September 13, 2012

Presenters	**Dr. Madhavi Sastry,** Senior Applications Scientist, Schrodinger Inc, USA **Dr. Rathore,** Senior Applications Scientist, Schrodinger Inc, USA **Dr. Ravi Kumar,** Applications Scientist, Schrodinger Inc, USA **Raghu,** Executive Director, Schrodinger Inc, USA
10:50-11:35	**Recent advances in Computational Biology techniques**
11:35-12:20	**In Silico Protein engineering: Residue-scanning and associated property predictions, case study of barnease-barster protein - Presentation and Demo**

Lunch Break: 12:20-12:50

12:50-13:35	**In Silico Protein engineering: Cysteine scanning, Reactive hot spots prediction; case study with Poplar Apoplastocyanin (Plant protein) - Presentation and Demo**
13:35-14:20	**Recent methods in Antibody-specific homology modeling, case study with A FAB FRAGMENT OF A MONOCLONAL ANTIBODY (IgG) - Presentation cum demo**
14:20-15:00	**How to analyse and rectify the quality of the protein structures, case study of IgG and many proteins – Presentation and demo**

Coffee Break 15:00-15:15

15:15-16:15	**Presentation on Recent advances in Protein-Protein Docking; Demo on docking of FAB13B5 antibody to HIV-1 Capsid Protein Case study-2: Protein – DNA Docking**
16:15-17:15	**Presentation and demo on Protein –protein aggregation prediction**

12:30-13:20	**Poster Presentation**	**Hall 1 & 2 (P-01 to P-50)**
15:00-15:50	**Poster Presentation**	**Hall 1 & 2 (P-51 to P-100)**

Day 2	September 14, 2012
	MR 1.04
Track 3-1: Bioremediation of Metals and Radionuclides **Track 3-3: Tools and Techniques for Bioremediation** **Track 3-4: Wastewater Treatment**	
	Session Introduction
09:00-09:20	**Title: Entrapment of marine micro alga, Isochrysis galbana for biosorption of Cr (III) from aqueous solution: Isotherms and spectroscopic characterization** **Kishore Kumar Kadimpati,** Malla Reddy College of Pharmacy, India
09:20-09:40	**Title: Biodegradation and biofiltration studies for removal of volatile organic compounds (VOCs)** **Smita Raghuvanshi,** Birla Institute of Technology and Science, India
09:40-10:00	**Title: Optimization of process variables for biodegradation of phenol by Pseudomonas putida (NCIM 2102) using response surface methodology** **V. Sridevi,** Andhra University, India
10:00-10:20	**Title: Engineering tolerance and hyper accumulation of heavy metals in recombinant E.coli cells by expressing PCS gene from Leucaena leucocephala** **Merla Sri Lakshmi Sunita,** Jawaharlal Nehru Technological University Hyderabad, India
	Coffee Break 10:20-10:35
10:35-10:55	**Title: Microbial remediation of hexachlorocyclohexane** **H. K. Manonmani,** Central Food Technological Research Institute-Mysore, India
10:55-11:15	**Title: Bioremediation of Cr (VI) by acclimated mixed culture: Kinetic study** **Subhajit Majumder,** Birla Institute of Technology and Science-Rajasthan, India
11:15-11:35	**Title: Simultaneous bioremediation of hexavalent chromium and pentachlorophenol from tannery waste water by immobilized Brevibacterium casei** **Tuhina Verma,** Dr. R.M.L. Avadh University, India
11:35-11:55	**Title: Modeling and optimization of dye removal process using response surface methodology: Kinetic and equilibrium studies** **Narayana Saibaba K.V,** GITAM University, India
11:55-12:05	**Panel Discussion**
Track 4-1: Biocatalysts for Biocracking/Metal Elimination **Track 4-2: Importance of Bioethanol and Biodiesel from Biomass** **Track 4-3: Environmental Biotechnology: Role in Agroecology and Zero Waste Agriculture** **Track 4-4: Biorefining & Bioprocessing of Crude Oils**	
12:05-12:25	**Title: Genomics of a bioethanol-producing bacterium** **Katherine M. Pappas,** University of Athens, Greece
12:25-12:45	**Title: Studies on crude enzyme preparation obtained from indigenously isolated fungal strain for environment friendly textile desizing** **Shalini Singh,** Lovely Professional University, India
	Lunch Break: 12:45-13:30
13:30-13:50	**Title: Environmental Biotechnology: Role in Agroecology and Zero Waste Agriculture** **Suresh Kumar Pattapu,** Jaganmatha Bio & Organic Fertilizers, India
13:50-14:10	**Title: Application of genetic algorithm and artificial neural networks in bioremediation process** **Narayana Saibaba K.V,** GITAM University, India
14:10-14:30	**Title: Production of biodiesel from non-edible Sapodilla (chiku) seed oil** **Ware Pundlik,** Uka Tarsadia University, India
14:30-14:50	**Title: Study of poly (ethylene terephathalate) nanocomposites for biomedical application** **S. M. Pawde,** Institute of Chemical Technology, India
14:50-15:10	**Title: Enzymatic processing of castor oil for value-added products** **Annamma A Odaneth,** Institute of Chemical Technology, India
15:10-15:20	**Panel Discussion**
	Coffee Break: 15:20-15:35

MR 1.06	
Workshop On "Recent advances in Computational biology and Structural Based Drug Designing"	
Structure Based Drug Design (Sbdd) September 14, 2012	
Presenters	**Dr. Madhavi Sastry, Senior Applications Scientist, Schrodinger Inc, USA** **Dr. Rathore, Senior Applications Scientist, Schrodinger Inc, USA** **Dr. Ravi Kumar, Applications Scientist, Schrodinger Inc, USA** **Raghu, Executive director, Schrodinger Inc, USA**
9:30-10:15	**Recent advances in Structure Based Drug Design**
	Coffee Break 10:15-10:30
10:30-11:00	**Importance of Protein preparation in Molecular modeling and Prioritizing ligand protonation states in docking**
11:00-11:30	**How binding site analysis can help in Structure guided drug design (Case study with Matrix Metalloproteinase Inhibitors). In silico Prediction of ADME properties of compounds**
11:30-13:00	**Presentation and Demo on Glide docking, case study of factor Xa receptor inhibitors**
	Lunch Break 13:00-14:00
14:00-15:15	**Recent success in Modeling GPCRs - Demo on GPCR Modeling, Case study with Dopamine D3 structure prediction**
15:15-15:45	**Importance of prediction of Ligand Induced protein Conformational change in SBDD. Case study on Dopamine D3 inhibitor design**
	Coffee Break 15:45-16:00
16:00-17:00	**Revision/ discussion/ Q & A Session**
10:00-11:00	**Poster Presentation** **Hall 3 (P-101 to P-150)**
Day 3	**September 15, 2012**
Hall 2	
Symposium on Drugs of abuse-HIV infection and NeuroAIDS -A Global scenario	
	Session Introduction
08:00-08:30	**Introductions** **Jag H. Khalsa**, NIDA, USA **Jeymohan Joseph**, NIMH, USA **Mukesh Verma**, NCI, USA
08:30-08:45	**Title: NIMH NeuroAIDS Research Priorities and Global Efforts** **Jeymohan Joseph**, NIMH, USA
08:45-09:10	**Title: Molecular mechanism of differential HIV-1 replication in adult and pediatric host** **Shailendra Saxena**, Center for Cellular and Molecular Biology, India
09:10-09:35	**Title: Alcohol and drugs of abuse interaction with HIV AIDS, system approach** **Patricia Molina**, Louisiana State University Health Systems Center, USA
09:35-10:00	**Title: Role of cytochrome P450 in tobacco and alcohol medicated effects in monocytes and astrocytes: Implications with HIV-1 pathogenesis** **Santosh Kumar**, University of Missouri-Kansas, USA
10:00-10:25	**Title: Cocaine promotes inflammation in persons with HIV-1 via formation of platelet monocytes complexes** **Sanjay Maggirwar**, University of Rochester, USA
10:25-10:40	**Panel Discussion**
	Coffee Break 10:40-11:00
11:00-11:25	**Title: Synergistic cooperation between methamphetamine and HIV-1 gp120 through the pl3k/akt pathway induces IL-6 but not IL-8 expression in astrocytes** **Anil Kumar**, University of Missouri-Kansas, USA
11:25-11:50	**Title: HIV-1, Methamphetamine and astrocyte glutamate regulation: Combined excitotoxic implications for neuroAIDS** **Anuja Ghorpade**, University of North Texas Health Science Center, USA
	Lunch Break 11:50-13:30

13:30-13:55	**Title: Methamphetamine and response to viral infection in vivo** **Howard Fox,** University of Nebraska, USA
13:55-14:20	**Title: HIV Neuropathogenesis: A tight rope walk of innate immunity** **Shilpa Buch,** University of Nebraska Medical Center, USA
14:20-14:45	**Title: TBA** **Khizroev Sakhrat,** Florida International University, USA
14:45-15:10	**Title: Morphine induction of Toll like receptors on microglial cells potentiates HIV-1 TAT induced neuropathogenesis in a pneumococcal pneumonia eco-infection model** **Sabita Roy,** University of Minnesota, USA
15:10-15:25	**Panel Discussion**
	Coffee Break 15:25-15:45
15:45-16:10	**Title: Mechanisms underlying morphine-induced CPP in the HIV-1 transgenic rat** **Sulie Chang,** Seton Hall University, USA
16:10-16:35	**Title: Multi drug nano-carrier to treat opiate addiction and neuro-AIDS** **Madhavan Nair,** Florida International University, USA
16:35-17:00	**Discussion/Summary/Adjourn** **Jag Khalsa/Jeymohan Joseph**

MR 1.04

Track 5: Genetic Engineering & Molecular Biology
Track 7: Medical Biotechnology & Biomedical Engineering
Track 8: Tissue Science & Engineering
Track 9: Stem Cell Research & Therapy

	Session Introduction
09:00-09:20	**Title: Epigenetic and genetic approaches in cancer epidemiology and risk assessment** **Mukesh Verma,** National Institutes of Health, USA
09:20-09:40	**Title: Methylation status of H19 and IGF2 genes in fibroblast cell lines of goat (Capra hircus) after serum starvation treatment** **Sanjeev Singh,** National Bureau of Animal Genetic Resources, India
09:40-10:00	**Title: Designing and rapid screening of sirna molecules for delayed fruit ripening in tomato** **Geetha Lakshmi M,** Bioseed Research India Pvt. Ltd., ICRISAT, India
10:00-10:20	**Title: Promoters promoting transgenic research** **Rajiv Ranjan,** Institute of Life Sciences, India
	Coffee Break 10:20-10:35
10:35-10:55	**Title: Genetic engineering of lignin biosynthesis to improve bioethanol production from Leucaena leucocephala** **Singam Prashant,** Jawaharlal Nehru Technological University Hyderabad, India
10:55-11:15	**Title: Molecular mechansisms of hyperoxic lung injury: Implications for bronchopulmonary dysplasia (BPD) and ARDS** **Bhagavatula Moorthy,** Baylor College of Medicine, USA
11:15-11:35	**Title: Isolation and identification of uvrd helicase from Escherichia coli from local fever patient for PCR enzyme production** **Yamuna Sundram,** Universiti Sains Malaysia, Malaysia
11:35-11:55	**Title: Malaria and matrix metalloproteinases: New perspectives for adjuvant therapy** **Mauro Prato,** University of Torino, Italy
11:55-12:15	**Title: Role of dietary Curcuma longa in combination with Emblica officinalis in the management of diabetic dyslipidemia** **Tuhin Rashmi,** AMITY University, India
	Lunch Break 12:15-13:00
13:00-13:20	**Title: Approaches to lead generation - A novel molecular target in cancerdrug discovery development** **Sarita Rajender,** Osmania University, India
13:20-13:40	**Title: In vitro propagation and evaluation of antimicrobial and antioxidant potential of an endangered herb - Cassia tora to explore its neutraceutical values** **Sumangala Rao,** Jawaharlal Nehru Technological University-Hyderabad, India

13:40-14:00	**Title: Monitoring of drugs at molecular level using FTIR spectroscopy** **G.S. Uthayakumar,** St. Joseph's College of Engineering, India
14:00-14:20	**Title: Improving biocompatibility of implantable metals by nanoscale modification of surface** **D. Bubesh Kumar,** Aarupadai Veedu Institute of Technology, India
14:20-14:40	**Title: Fatigue corrosion of external illizarov ring fixators, hybrid fixators with half pins** **A. Manimaran,** Aarupadai Veedu Institute of Technology, India
14:40-15:00	**Title: Biomaterials and tissue engineering approaches for soft tissue reconstruction** **Naveen Kumar,** Indian Veterinary Research Institute, India
	Coffee Break 15:00-15:15
15:15-15:35	**Title: Studies of nanoscale structural, chemical and mechanical hierarchy of Sardine pilchardus fish scale in contrast with man-made nanocomposites** **D. Devaprakasam,** Karunya University, India
15:35-15:55	**Title: Human dental pulp mesenchymal stem cells; efficientin bone defectshealing** **Hamed Hemati Chahardeh,** Kakatiya University, India
15:55-16:15	**Title: Isolation, proliferation and transplantation of bone-marrow derived animal mesenchymal stem cells (BM-MSC) in critical sized bone defects (CSD) in animal model** **Swapan Kumar Maiti,** Indian Veterinary Research Institute, India
16:15-16:30	**Panel Discussion**

MR 1.06

Track 10: Pharmaceutical Sciences

	Session Introduction
09:00-09:20	**Title: Biotransformation in drug discovery** **Selvan Ravindran,** Sai Life Sciences Limited, India
09:20-09:40	**Title: Advanced drug resistance SNP analysis and monitoring of liver physiological changes during Hepatitis B virus infection** **Samira Salehnejad,** Kakatiya University, India
09:40-10:00	**Title: Screening of pure and crude extracts of some medicinal plants for antioxidant activities** **P. Vasanthakumar,** Veterinary College and Research Institute, India
10:00-10:20	**Title: Design of new leads as novel therapeutics for Tuberculosis - A computational approach** **Uma Vuruputuri,** Osmania University, India
	Coffee Break 10:20-10:35
10:35-10:55	**Title: Evaluation of nitric oxide and ciprofloxacin against typhoid** **S.S.Haque,** Indira Gandhi Institute of Medical Sciences, India
10:55-11:15	**Title: Improved transdermal drug delivery through lipid vesicles having ethanol as integral component** **Manish K. Chourasia,** Central Drug Research Institute-Lucknow, India
11:15-11:35	**Title: Preparation of BSA nanoparticles by desolvation technique using ethyl alcohol as desolvating agent** **Abbaraju Krishna Sailaja,** Osmania University, India
11:35-11:55	**Title: Hydrocolloids: New suspending agents for oral formulations** **Harsha Kharkwal,** AMITY University, India
11:55-12:15	**Title: Studies on anticandidal action mode by Cassia spectabilis** **Vijayarathna Soundararajan,** Universiti Science Malaysia, Malaysia
	Lunch Break 12:15-13:00
13:00-13:20	**Title: Seroprevalence study of brucellosis by conventional and molecular techniques** **Annapurna S.Agasthya,** Lovely Professional University, India
13:20-13:40	**Title: Study of antimicrobial activity of different indigenous wildly growing plants** **Priti Mathur,** AMITY University, India
13:40-13:50	**Panel Discussion**

Track 11: Food Processing & Technology

	Session Introduction

13:50-14:10	**Title: Biotechnology and human health: The use of Bifidobacteria spp in dairy products** **Ara Kanekanian,** Cardiff Metropolitan University, UK
14:10-14:30	**Title: The identification of natural PPAR ligands using gene reporter assays** **AW Thomas,** Cardiff Metropolitan University, UK
14:30-14:50	**Title: Biochemical studies on thermostable superoxide dismutase isolated from Juglans regia: A functional enzyme** **Nidhee Chaudhary,** AMITY University, India
14:50-15:10	**Title: Interfacial phenomena in food materials** **Carlos M. Corvalan,** Purdue University, USA
15:10-15:20	**Panel Discussion**
	Coffee Break 15:20-15:35

Track 12: OMICS Technologies	
	Session Introduction
15:35-15:55	**Title: Induction of apoptosis by benzamide in K562 cells was triggered by inhibition of poly (ADP-ribosyl) ation of protein(s)** **Utpal Ghosh,** University of Kalyani, India
15:55-16:15	**Title: Comparative genomics and genome wide analysis of bidirectional promoters in Candida albicans** **Vijaya Kumar Nalla,** Univeristy of Delhi, India
16:15-16:35	**Title: Proteomic analysis of milk is indicative of host immune response to mastitis in buffaloes** **S. K. Phulia,** Central Institute for Research on Buffaloes, India
16:35-16:55	**Title: An integrated application of 'omics' to understand plant resistance mechanism against microbial invasion** **Sharmila Chattopadhyay,** Indian Institute of Chemical Biology, India
16:55-17:15	**Title: Unraveling of integrated mechanisms in Omics technology for crop improvement** **Dev Mani Pandey,** Birla Institute of Technology, India
17:15-17:35	**Title: An immunoinformatics approach to identify immunogenic peptide of hemagglutinin protein in H1N1 virus** **Manoj Baranwal,** Thapar University, India
17:35-17:45	**Panel Discussion**
10:00-11:00	**Poster Presentation** — **Hall 3 (P-151 to P-350)**

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International Expo and Conference on
Analytrix and HPLC
October 22-24, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Clinical and Cellular Immunology
October 22-24, 2012
DoubleTree by Hilton Chicago - Northshore, USA



International Conference on
Pulmonary & Respiratory Medicine
October 29-31, 2012
DoubleTree by Hilton Philadelphia, USA



International Conference and Exhibition on
Computer Aided Drug Design & QSAR
October 29-31, 2012
DoubleTree by Hilton Chicago-Northshore, USA



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November 12-14, 2012
Hilton San Antonio Airport, USA



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Global Biofuels & Bioproduct Summit
November 19-21, 2012
Hilton San Antonio Airport, USA



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November 19-21, 2012
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International Conference on
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November 19-21, 2012
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Hyderabad International Convention Centre, India



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Hyderabad International Convention Centre, India



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November 23-24, 2012
Hyderabad International Convention Centre, India



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November 23-24, 2012
Hyderabad International Convention Centre, India



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Hilton San Antonio, USA



International Conference and Exhibition on
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Hilton San Antonio Airport, USA



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April 15-17, 2013
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April 15-17, 2013
Hilton Chicago/Northbrook, USA



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July 15-17, 2013
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Nutritional Science and Therapy
July 15-17, 2013
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4th International Conference on
Biomarkers & Clinical Research
July 16-17, 2013
DoubleTree by Hilton Philadelphia Center City, USA



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July 22-24, 2013
Embassy Suites Las Vegas, USA



2nd International Conference and Exhibition on
Addiction Research & Therapy
July 22-24, 2013
Embassy Suites Las Vegas, USA



International Conference on
Animal & Dairy Sciences
July 23-24, 2013
Embassy Suites Las Vegas, USA



2nd International Conference and Exhibition on
Nephrology & Therapeutics
July 29-31, 2013
Embassy Suites Las Vegas, USA



3rd International Conference on
Vaccines & Vaccination
July 29-31, 2013
Embassy Suites Las Vegas, USA



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August 5-7, 2013
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August 19-21, 2013
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