Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences in related areas under the scheme title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.com

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: biotechnology2012@omicsonline.com
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

Track 1-2: Plant Biotechnology & Crop Improvement

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 and 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

15:25-15:50  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
In vitro regeneration of multipurpose medicinal tree *Stereospermum suaveolens*

Susmita Shukla, AMITY University, India

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

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

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

Modification of production medium for enhanced gum production by *Xanthomonas campestris* pv. *campestris*

Sutanu Samanta, Lovely Professional University, India

Identification and genetic purity testing of ANGRAU cotton F1 hybrids using SSR markers

Sambasiva Rao Palaparthi, Institute of Biotechnology-Hyderabad, India

Modification of production medium for enhanced gum production by *Xanthomonas campestris* pv. *campestris*

Sutanu Samanta, Lovely Professional University, India

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

Identification and genetic purity testing of ANGRAU cotton F1 hybrids using SSR markers

Sambasiva Rao Palaparthi, Institute of Biotechnology-Hyderabad, India

Tropomyosin expression in vertebrate hearts in relation to cardiogenesis and cardiomyopathies

Dipak K. Dube, SUNY Upstate Medical University, USA

Delayed seroconversion to STLV-1 infection is associated with mutations in the pol and rex gene

Syamalima Dube, SUNY Upstate Medical University, USA

Molecular analysis of candidate genes for mastitis in Murrah buffaloes (*Bubalus bubalis*)

Archana Verma, National Dairy Research Institute, India

Evaluation of the effect of a DNA vaccine encoding *Mycobacterium avium* paratuberculosis (Map) in mice

Rajib Deb, Indian Veterinary Research Institute, India

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

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

Genetic polymorphism of milk proteins: Relationship with milk compositional traits in Indian goat breeds

Ajoy Mandal, Central Institute for Research on Goats, India

Dose dependent effect of protein synthesis inhibitor on the developmental potency of parthenogenetic goat embryos

S D Kharche, Central Institute for Research on Goats, India

Feed enzymes: A biotechnological approach in poultry feed formulation

S. P. Muthukumar, Central Food Technological Research Institute, India

Nucleotide diversity in promoter of bone morphogenetic protein receptor type IB (BMPR1B) gene in Indian goats

Sonika Ashlawat, National Bureau of Animal Genetic Resources, India

New genetic polymorphism of goat KiSS-1 gene

Rekha Sharma, National Bureau of Animal Genetic Resources, India

Preparation of emulsified encapsulated bovine serum albumin nanoparticles of *Azadirachta indica* alkaline phosphatase

Kirti Rani, AMITY University, India

Bio-sensor in engineering

Awadhesh Kumar Singh, Maharaja Agrasen Institute of Technology, India

D-NDDB- development of biomedical nano database (NDB) through microsoft access desktop web solutions

D. Srinivasa Rao, Acharya Nagarjuna University, India
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Sponsor</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:55-18:15</td>
<td>Synthesis of plant mediated gold nanoparticles using flower extracts of Carthamus Tinctorius l. (safflower) and evaluation of their biological activities</td>
<td>Nagaraj B, Shridevi Institute of Engineering &amp; Technology, India</td>
</tr>
<tr>
<td>18:15-18:35</td>
<td>Targeted cancer therapies: A chemical pharmaceutics approach</td>
<td>B. Surendar Reddy, Central Drug Research Institute - Lucknow, India</td>
</tr>
<tr>
<td>18:35-18:55</td>
<td>Application of LC-MS and NMR Spectroscopy in marine biotechnology and biomedicine</td>
<td>T. Narender, Central Drug Research Institute, India</td>
</tr>
<tr>
<td>18:55-19:15</td>
<td>Studies on enzyme activity in the tissues of Labeo rohita (Ham) exposed to distillery effluent</td>
<td>J. Helan Chandra, Jeppiaar Engineering College, India</td>
</tr>
</tbody>
</table>

**Track 1-3: New Approaches to Industrial Biotechnology**

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

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Sponsor</th>
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<tbody>
<tr>
<td>15:15-15:35</td>
<td>Comparison between two H+/Ca2+cation exchangers CAX1 and CAX2 of Arabidopsis in functional aspect of growth and calcium accumulation in Saccharomyces cerevisiae</td>
<td>Nutan Prasad Rout, Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco, Mexico</td>
</tr>
<tr>
<td>15:55-16:15</td>
<td>Utilization of mixed microbial culture to mitigate carbon dioxide (CO2)</td>
<td>Suresh Gupta, Birla Institute of Technology and Science, India</td>
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<tr>
<td>16:15-16:35</td>
<td>Isolated from idli batter with probiotic potential</td>
<td>Jeevaratnam Kadirvelu, Pondicherry University, India</td>
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<tr>
<td>16:35-16:55</td>
<td>Isolation and partial characterization of Vibrio cholera isolated from environmental water sample in and around Chennai and a comparative study of microbiological and molecular identification technique</td>
<td>Sujata Das, Lovely Professional University, India</td>
</tr>
<tr>
<td>16:55-17:15</td>
<td>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</td>
<td>Balaji Venkatesagowda, Lakehead University, Canada</td>
</tr>
<tr>
<td>17:15-17:35</td>
<td>Rational engineering of mesophilic Bacillus lipase to higher thermostability: Role of proline at secondary structure</td>
<td>Shelly Goomber, Panjab University, India</td>
</tr>
<tr>
<td>17:35-17:55</td>
<td>Composition and functions of outer membrane vesicles from Pseudomonas syringae</td>
<td>Medicharla V Jagannadham, Cellular and Molecular Biology-Hyderabad, India</td>
</tr>
<tr>
<td>17:55-18:15</td>
<td>Transcript profiling of stress associated proteins in wheat (Triticum aestivum) under heat stress and their biochemical characterization for thermotolerance</td>
<td>Ranjeet Ranjan Kumar, Indian Agricultural Research Institute-New Delhi, India</td>
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<tr>
<td>18:15-18:25</td>
<td>Panel Discussion</td>
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<tr>
<td>Time</td>
<td>Title</td>
<td>Speaker</td>
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<tr>
<td>12:50-13:10</td>
<td>Title: Phylogenetic screening for antibiotic producing actinomycetes from rhizospheric soils</td>
<td>Olubukola Oluranti Babalola, North-West University, South Africa</td>
</tr>
<tr>
<td>13:10-13:30</td>
<td>Title: Investigations on interlinked stress response in some antarctic and mesophilic bacteria</td>
<td>Madhab K. Chattopadhyay, Centre for Cellular and Molecular Biology, India</td>
</tr>
<tr>
<td>13:30-13:50</td>
<td>Title: High level expression of enantioselective lipase gene from Bacillus pumilus in E.coli</td>
<td>Shafatq Rasool, Shri Mata Vaishno Devi University, India</td>
</tr>
<tr>
<td>13:50-14:10</td>
<td>Title: Enhanced anti bacterial activity of chitosan stabilized azithromycin-gold nano conjugate against clinical isolate of E.coli and Staphylococcus aureus</td>
<td>S. Karthick Raja Namasiyavam, Sathyabama University, India</td>
</tr>
<tr>
<td>14:10-14:30</td>
<td>Title: Study of growth kinetics for rhamnolipid production from Pseudomonas aeruginosa</td>
<td>J. Satya Eswari, Indian Institute of Chemical Technology, India</td>
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<tr>
<td>15:25-15:45</td>
<td>Title: Isolation of Streptomyces sp. from soil and its medium optimization for microbial transglutaminase production by box-behnken design</td>
<td>Gopal Samy B, St. Michael College of Engineering &amp; Technology, India</td>
</tr>
<tr>
<td>15:45-16:05</td>
<td>Title: Preparation of emulsified encapsulated egg albumin nanoparticles of Azadirachta indica alkaline phosphatase</td>
<td>Kirti Rani, AMITY University, India</td>
</tr>
<tr>
<td>16:05-16:25</td>
<td>Title: Studies on harpin- mediated cell death events in Saccharomyces cerevisiae</td>
<td>Vedantam Lakshmi Vasudeva, University of Hyderabad, India</td>
</tr>
<tr>
<td>16:25-16:45</td>
<td>Title: Isolation and characterisation of kerosene degrading bacteria from contaminated water</td>
<td>Jisha M S, Mahatma Gandhi University, India</td>
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</tbody>
</table>

Coffee Break 15:10-15:25

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 Apoplasticcyanin (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 FAB13BS 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
15:00-15:50 Poster Presentation
### 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

### 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 Pandlik,** Uka Tarsadia University, India

**14:30-14:50**

**Title:** Study of poly (ethylene terephthalate) 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

### Panel Discussion

### Coffee Break: 15:20-15:35
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

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

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

16:00-17:00 Revision/discussion/Q & A Session

Day 3 September 15, 2012

Symposium on Drugs of abuse-HIV infection and NeuroAIDS - A Global scenario

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

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
Title: TBA

14:20-14:45  Khizroev Sakhrat, Florida International University, USA
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
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 mechanisms of hypoxic 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 cancer drug 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 nutraceutical values
Sumangala Rao, Jawaharlal Nehru Technological University-Hyderabad, India
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Author(s)</th>
<th>Institution(s)</th>
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</thead>
<tbody>
<tr>
<td>13:40-14:00</td>
<td>Monitoring of drugs at molecular level using FTIR spectroscopy</td>
<td>G.S. Uthayakumar</td>
<td>St. Joseph's College of Engineering, India</td>
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<tr>
<td>14:00-14:20</td>
<td>Improving biocompatibility of implantable metals by nanoscale modification of surface</td>
<td>D. Bubesh Kumar</td>
<td>Aarupadai Veedu Institute of Technology, India</td>
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<tr>
<td>14:20-14:40</td>
<td>Fatigue corrosion of external illizarov ring fixators, hybrid fixators with half pins</td>
<td>A. Manimaran</td>
<td>Aarupadai Veedu Institute of Technology, India</td>
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<tr>
<td>14:40-15:00</td>
<td>Biomaterials and tissue engineering approaches for soft tissue reconstruction</td>
<td>Naveen Kumar</td>
<td>Indian Veterinary Research Institute, India</td>
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<td><strong>Coffee Break 15:00-15:15</strong></td>
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<td>15:15-15:35</td>
<td>Studies of nanoscale structural, chemical and mechanical hierarchy of Sardine pilchardus fish scale in contrast with man-made nanocomposites</td>
<td>D. Devapraekasam</td>
<td>Karunya University, India</td>
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<tr>
<td>15:35-15:55</td>
<td>Human dental pulp mesenchymal stem cells; efficientin bone defects healing</td>
<td>Hamed Hematik Chahardeh</td>
<td>Kakatiya University, India</td>
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<td>15:55-16:15</td>
<td>Isolation, proliferation and transplantation of bone-marrow derived animal mesenchymal stem cells (BM-MSC) in critical sized bone defects (CSD) in animal model</td>
<td>Swapnan Kumar Maiti</td>
<td>Indian Veterinary Research Institute, India</td>
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<td><strong>16:15-16:30 Panel Discussion</strong></td>
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<td><strong>MR 1.06</strong></td>
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<td><strong>Track 10: Pharmaceutical Sciences</strong></td>
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<td>09:00-09:20</td>
<td>Biotransformation in drug discovery</td>
<td>Selvan Ravindran</td>
<td>Sai Life Sciences Limited, India</td>
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<tr>
<td>09:20-09:40</td>
<td>Advanced drug resistance SNP analysis and monitoring of liver physiological changes during Hepatitis B virus infection</td>
<td>Samira Salehnejad</td>
<td>Kakatiya University, India</td>
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<td>09:40-10:00</td>
<td>Screening of pure and crude extracts of some medicinal plants for antioxidant activities</td>
<td>P. Vasanthakumar</td>
<td>Veterinary College and Research Institute, India</td>
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<tr>
<td>10:00-10:20</td>
<td>Design of new leads as novel therapeutics for Tuberculosis - A computational approach</td>
<td>Uma Vuruputuri</td>
<td>Osmania University, India</td>
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<td><strong>Coffee Break 10:20-10:35</strong></td>
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<td>10:35-10:55</td>
<td>Evaluation of nitric oxide and ciprofloxacin against typhoid</td>
<td>S.S. Haque</td>
<td>Indira Gandhi Institute of Medical Sciences, India</td>
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<td>10:55-11:15</td>
<td>Improved transdermal drug delivery through lipid vesicles having ethanol as integral component</td>
<td>Manish K. Chourasia</td>
<td>Central Drug Research Institute-Lucknow, India</td>
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<td>11:15-11:35</td>
<td>Preparation of BSA nanoparticles by desolvation technique using ethyl alcohol as desolvating agent</td>
<td>Abbaraju Krishna Sailaja</td>
<td>Osmania University, India</td>
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<td>11:35-11:55</td>
<td>Hydrocolloids: New suspending agents for oral formulations</td>
<td>Harsha Kharkwal</td>
<td>AMITY University, India</td>
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<td>11:55-12:15</td>
<td>Studies on antcandidal action mode by Cassia spectabilis</td>
<td>Vijayarathna Soundararajnan</td>
<td>Universiti Science Malaysia, Malaysia</td>
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<td><strong>Lunch Break 12:15-13:00</strong></td>
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<td>13:00-13:20</td>
<td>Seroprevalence study of brucellosis by conventional and molecular techniques</td>
<td>Annapurna S.Agasthya</td>
<td>Lovely Professional University, India</td>
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<td>13:20-13:40</td>
<td>Study of antimicrobial activity of different indigenous wildly growing plants</td>
<td>Priti Mathur</td>
<td>AMITY University, India</td>
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<td>13:40-13:50</td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>Track 11: Food Processing &amp; Technology</strong></td>
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<td><strong>Session Introduction</strong></td>
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</table>
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

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, University 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 Chattopadhayay, 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)
Upcoming
OMICS Group
Conferences
Accelerating Scientific Discovery

3rd International Conference on
Pharmaceutics & Novel Drug Delivery Research
April 8-10, 2013
Hilton Suites Chicago/Magnificent Mile, USA

2nd World Congress on Metabolomics & Systems Biology
April 8-10, 2013
Hilton Suites Chicago/Magnificent Mile, USA

3rd International Conference on Clinical & Experimental Ophthalmology
April 15-17, 2013
Hilton Chicago/Northbrook, USA

3rd International Conference on Clinical & Experimental Dermatology
April 15-17, 2013
Hilton Chicago/Northbrook, USA

3rd International Conference on Clinical & Experimental Cardiology
April 15-17, 2013
Hilton Chicago/Northbrook, USA

4th World Congress on Bioavailability & Bioequivalence
May 20-22, 2013
DoubleTree by Hilton Beijing, China

2nd International Conference and Expo on Biometrics & Biostatistics
June 10-12, 2013
Hilton Chicago/Northbrook, USA

2nd International Conference on Gastroenterology & Urology
June 10-12, 2013
Hilton Chicago/Northbrook, USA

2nd International Conference and Exhibition on Biosensors & Bioelectronics
June 17-19, 2013
Hilton Chicago/Northbrook, USA

2nd International Conference and Exhibition on Neurology & Therapeutics
June 17-19, 2013
Hilton Chicago/Northbrook, USA

3rd World Congress on Virology
July 11-13/8-10, 2013
Embassy Suites Las Vegas, USA

3rd International Conference on Proteomics & Bioinformatics
July 15-17, 2013
DoubleTree by Hilton Philadelphia Center City, USA

2nd International Conference on Nutritional Science and Therapy
July 15-17, 2013
DoubleTree by Hilton Philadelphia Center City, USA

3rd World Congress on Virology
July 16-17, 2013
Embassy Suites Las Vegas, USA

2nd International Conference on Earth Science & Climate Change
July 22-24, 2013
Embassy Suites Las Vegas, USA

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

2nd International Conference on Animal & Dairy Sciences
July 23-24, 2013
Embassy Suites Las Vegas, USA

2nd International Conference 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

2nd International Conference on Pathology
August 5-7, 2013
Embassy Suites Las Vegas, USA

International Conference on Integrative Biology Summit
August 5-7, 2013
Embassy Suites Las Vegas, USA

International Conference on Personalized Medicine & Molecular Diagnostics
August 5-7, 2013
Embassy Suites Las Vegas, USA

2nd International Conference on Orthopedics & Rheumatology
August 19-21, 2013
Embassy Suites Las Vegas, USA

International Conference on Oral Health
August 19-21, 2013
Embassy Suites Las Vegas, USA

International Conference and Exhibition on Solar Systems & Power Generation Technologies
August 19-21, 2013
Hyderabad, India

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