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

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: biotechnology2013@omicsgroup.us
Day 1  
September 23, 2013

08:30-09:30  Registrations

Camellia

**OMICS Group Conferences**  
Opening Ceremony  
09:30-09:55

**Keynote Forum**

09:55-10:00  **Introduction**

10:00-10:25  **Ara Kanekanian**  
Cardiff Metropolitan University, UK

10:25-10:50  **George Ivey**  
Ivey International Co. Inc., Canada

Coffee Break 10:50-11:10 @ Oak

11:10-11:35  **Daniel M. Barry**  
University of Venda, South Africa

Felicitation to OCM’s and EB Members

Group Photo

Track 1: Biotechnology and Allied Areas
Track 2: Microbial and Biochemical Technology
Track 3: Bioremediation and Biodegradation

Session Chair: Ronnie W. Heiniger, North Carolina State University, USA
Session Co-Chair: Sreenivas Rao Ravella, Aberystwyth University, UK

**Session Introduction**

11:35-11:55  **B-cert: A training program for producers of bioengineered plants**  
Ronnie W. Heiniger, North Carolina State University, USA

11:55-12:15  **Bioavailability of mercury in the floodplain soil of east fork popular creek, Oak Ridge, Tennessee**  
Fengxiang Han, Jackson State University, USA

12:15-12:35  **Factors alleviating cadmium toxicity in white rot fungus**  
Kuber Bhainsa, University of Cincinnati College of Medicine, USA

12:35-12:55  **Mathematical Modelling of Ni**²⁺ **biosorption by Schizosaccharomyces pombe using universal sigmoid approach**  
Rumeysa Bukcu, Marmara University, Turkey

Lunch Break 12:55-13:40 @ Oak

13:40-14:00  **Taguchi Design of Experiments (DOE) for fermentations, pre-treatments and inhibitor studies**  
Sreenivas Rao Ravella, Aberystwyth University, UK

14:00-14:20  **Yeast metabolic engineering or biodiversity: Understanding “flavor phenotypes” in traditional fermented beverages**  
Francisco Carrau, University of Republic, Uruguay

14:20-14:40  **C-SLGE- Cloning of Saccharomyces cerevisiae lipase gene in E.coli Nissle 1917(probiotic)**  
Gadangi Indira, Kakatiya University, India

14:40-15:00  **Biobased water treatment materials for industrial wastewaters**  
Tiina Leiviska, University of Oulu, Finland

15:00-15:20  **Biological degradation of naphthalene: A new era**  
Sharad Khandelwal, Institute of Life Sciences, Nasik- India

Coffee Break 15:20-15:40 @ Oak

15:40-16:00  **Effect of PGRs on organogenesis among clones of Hippophae rhamonides in in vitro culture**  
Songhee Lee, Dongguk University, Korea

16:00-16:20  **Effect of oil on phytoremediation of PCB co-contamination in transformer oil using Chromolaena odorata**  
R. O. Anyasi, University of South Africa, South Africa
16:20-16:40  Towards a grass biorefinery
Joe Gallagher, Aberystwyth University, UK

17:50-18:50  Cocktails Sponsored by Journal of Biotechnology & Biomaterials @ Oak

Day 2  September 24, 2013
Camellia

10:00-10:25  Ganapathy Sivakumar
Arkansas State University, USA

Track 4: Petroleum and Environmental Biotechnology
Track 5: Genetic Engineering and Molecular Biology
Track 6: Clinical and Cellular Immunology
Track 7: Medical Biotechnology and Biomedical Engineering
Track 8: Tissue Science and Engineering

Session Chair: Xiangwu Zhang, North Carolina State University, USA
Session Co-Chair: Tiina Leiviska, University of Oulu, Finland

10:25-10:45  Advanced multi-functional nanofiber-textile materials for chemical and biological protection applications
Xiangwu Zhang, North Carolina State University, USA

10:45-11:05  The role of meta-topolins in micropropagation and secondary metabolite production of medicinal plants
Stephen O. Amoo, University of KwaZulu-Natal, South Africa

Coffee Break 11:05-11:25 @ Oak

11:25-11:45  Potential use of inexpensive green tealeaves for the bioremoval of hair dyes
Abel E. Navarro, New York University, USA

11:45-12:05  p16 in ocular surface squamous neoplasia
Sheetal Chauhan, All India Institute of Medical Sciences, India

12:05-12:25  Biosynthesis and conjugation techniques towards the development of theranostic nano-photosensitizers
Jayeeta Bhaumik, National Institute of Pharmaceutical Education and Research, India

12:25-12:45  Genetic mutation and disordered protein structure
Orkid Coskuner, University of Texas, USA

12:45-13:05  Isolation of biosurfactant producing strains for enhanced bioavailability of hydrocarbon contaminants
Amodu O.S, Cape Peninsula University of Technology, South Africa

Lunch Break 13:05-13:50 @ Oak

13:50-15:10

13:50-14:10  Anoxic oxidation of arsenite linked to chemolithotrophic denitrification: the missing link in the biogeochemical arsenic cycle
Wenjie Sun, University of Arizona, USA

14:10-14:30  Generation of biogas from cow dung
Onwuliri, F. C, University of Jos, Nigeria

14:30-14:50  p16 in ocular surface squamous neoplasia
Sheetal Chauhan, All India Institute of Medical Sciences, India

14:50-15:10  Biodegradation of free cyanide using bacterial species isolated from cyanide waste water
V. A. Jackson, Cape Peninsula University of Technology, South Africa

Coffee Break 15:10-15:30 @ Oak

15:30-16:30  Poster Presentations
17:00-18:00  Cocktails Sponsored by Journal of Bioremediation & Biodegradation @ Oak

Day 3  September 25, 2013
Camellia

Track 9: Cell Science and Stem Cell Therapy
Track 10: Pharmaceutical Sciences
Track 11: Food Processing, Functional Foods and Health
Track 12: Omics Technologies

Session Chair: Jimmy T. Efird, Brody School of Medicine, USA
Session Co-Chair: Ara Kanekanian, Cardiff Metropolitan University, UK
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Institution/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00-10:20</td>
<td>Emerging role of microRNA in drought stress tolerance in the biofuel, bioenergy crop sugarcane</td>
<td>Sangeeta Srivastava</td>
<td>Oklahoma State University, USA</td>
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<tr>
<td>10:20-10:40</td>
<td>Targeted analytic methods for deep sequencing</td>
<td>Jimmy T. Efird</td>
<td>Brody School of Medicine, USA</td>
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<tr>
<td>10:40-11:00</td>
<td>The effect of cooking and fermentation on the functional and nutritional properties of cofermented walnut/maize</td>
<td>Mojisola Adenike</td>
<td>Federal University Department of Microbiology, Nigeria</td>
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<td>11:00-11:20</td>
<td>Coffee Break</td>
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<tr>
<td>11:20-11:40</td>
<td>Characterization of photo-acoustic wave imaging using probe beam deflection technique</td>
<td>Ronald A. Barnes</td>
<td>The university of Texas, USA</td>
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<tr>
<td>11:40-12:00</td>
<td>Use of fuzzy set theory and its modifications in understanding problems of bio-informatics</td>
<td>D.K. Bhattacharya</td>
<td>Rabindra Bharati University, India</td>
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<tr>
<td>12:00-12:20</td>
<td>Antioxidant and cytotoxicity activities of Veitchia merrillii fruits</td>
<td>Ali Vafaei</td>
<td>University of Malaya, Malaysia</td>
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<tr>
<td>12:20-12:40</td>
<td>Towards production of novel traits from oil palm via genetic modification</td>
<td>Ahmad Parveez Ghulam Kadir</td>
<td>Advanced Biotechnology and Breeding Centre, Malaysia</td>
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<tr>
<td>12:40-13:00</td>
<td>Comparison of the microbial communities of two bioreactors treating metal mine tailing seepage water with different efficiencies</td>
<td>Maryam Rezadehbashim</td>
<td>University of British Columbia, Canada</td>
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<td>13:00-13:45</td>
<td>Lunch Break</td>
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<tr>
<td>13:45-14:05</td>
<td>Mathematical models for study of stem cells dynamics of neurological disorders and some cancer computational models, based on nanobiotechnology</td>
<td>Katya Marinova Simeonova</td>
<td>Bulgarian Academy of Sciences, Bulgaria</td>
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<tr>
<td>14:05-14:25</td>
<td>Antibacterial spectra of lactic acid bacteria from Nigerian fermented foods</td>
<td>Adebayo</td>
<td>Federal Polytechnic, Ado-Ekiti, Nigeria</td>
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<td>14:45-15:15</td>
<td>Panel Discussion</td>
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<td>15:15-16:15</td>
<td>Award Ceremony</td>
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