



# 2<sup>nd</sup> World Congress on Biotechnology

29 Nov - 1 Dec 2011  
Philadelphia Airport Marriott, USA

## Conference Secretariat

5716 Corsa Ave., Suite 110, Westlake, Los Angeles, CA 91362-7354, USA  
Tel: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: 1-800-216-6499(USA & Canada)  
E-mail: [biotechnology-2011@omicsonline.org](mailto:biotechnology-2011@omicsonline.org)

18:00-19:00

Registrations - Foyer

28 November 2011

### Day 1 29 November 2011

07:00-08:30

Registrations - Foyer

07:30-08:00

Breakfast - Foyer

09:00-09:30 General Session - Salons FGH **Opening Ceremony**

### Keynote Forum

09:30-09:35

**Introduction**

09:35-10:00

**Dr. Ara Kanekanian**

University of Wales Institute Cardiff, U.K

10:00-10:25

**Prof. J Lodewyk F Kock**

University of the Free State, South Africa

Coffee Break 10:25-10:40 - Foyer

10:40-11:05

**Prof. Vladimir Elisashvili**

Durmishidze Institute of Biochemistry and Biotechnology, Georgia

11:05-11:30

**Dr. Sudhakar Akul Yakkanti**

Boys Town National Research Hospital, USA

Lunch Break 11:45-12:30 - SalonsCDE

**Track-1: Microbial & Biochemical Technology****Track-3: Bioremediation & Biodegradation****Session Introduction - Salons FGH**

- 12:35-12:55 **Title: Biotransformation of lignocellulosic-derived microbial inhibitors by Clostridium species**  
Dr. Thaddeus Chukwuemeka Ezeji, The Ohio State University, USA
- 12:55-13:15 **Title: Enhanced in situ bioremediation of chloroethenes in fractured bedrock: A combined approach to assess remediation and microbial activity**  
Dr. Alfredo Pérez-de-Mora, University of Toronto, Canada
- 13:15-13:35 **Title: P. ostreatus production using peach palm waste as substrate**  
Dr. Denise Abatti Kasper Silva, University of Joinville Region, Brazil
- 13:35-13:55 **Title: Research progress of solid-state fermentation and its large-scale application**  
Dr. Lan Wang, Chinese Academy of Sciences, China
- 13:55-14:15 **Title: Primary purification of Burkholderia sp. ST8 lipase by aqueous micellar two-phase system**  
Dr. Tau Chuan Ling, Institute of Biological Sciences, Malaysia
- 14:15-14:35 **Title: Approaches to enhance the white-rot basidiomycetes ligninolytic enzyme activity expression**  
Dr. Vladimir Elisashvili, Durmishidze Institute of Biochemistry and Biotechnology, Georgia
- 14:35-14:55 **Title: Purification and characterization of laccase produced by Trametes pubescens cultured on agro-industrial waste**  
Dr. Johann Faccelo Osma Cruz, Universidad de los Andes, Colombia
- 14:55-15:15 **Title: Enhanced microbial degradation of cyanuric chloride based reactive azo dye reactive orange 13**  
Prof. Parin Shah, Nirma University, India
- Coffee Break 15:15-15:25 - Foyer**
- 15:25-15:45 **Title: Preparation of emulsified encapsulated Bovine serum albumin microspheres of glucose oxidase**  
Dr. Kirti Rani Amity University, India
- 15:45-16:05 **Title: Effects of microgravity on microbial community and its application in screening for novel microorganisms**  
Akiha Kuroda, University of Tsukuba, Japan

- 16:05-16:25 **Title: Evaluation of biogas production potential of Spirulina Platensis**  
Dr. Aysenur Ugurlu, Hacettepe University, Turkey
- 16:25-16:45 **Title: Approach for optimization of lipase catalyzed monoolein production via central composite design and response surface methodology**  
Dr. Carlos Eduardo Orrego, National University of Colombia, Colombia
- 16:45-17:05 **Title: Design and evaluation of biorefineries in tropical countries**  
Dr. Carlos Ariel Cardona, Universidad Nacional de Colombia sede Manizales, Colombia
- 17:05-17:25 **Title: Immobilization of Rhizomucor miehei lipase onto chitosan hybrids activated by different methods for ethyl oleate synthesis**  
Prof. Elizabete Araújo Carneiro, MSc Chemical Engineer Federal Institute of Education, Science and Technology of Ceará - Campus IFCE Quixadá
- 17:25-17:45 **Title: Production and partial characterization of a  $\beta$ -galactosidase from Kluyveromyces lactis NRRL Y1564 grown in whey**  
Prof. Maria Valderez Ponte Rocha, Universidade Federal do Ceará/DEQ, Brazil
- 17:45-18:05 **Title: Microbial remediation of chloroorganic compounds**  
Dr. H. K. Manonmani, Central Food Technological Research Institute (CSIR), India
- 18:05-18:25 **Title: A novel technology for pharmaceutical component concentration with high productivity**  
Dr. Zhaoyang Liu, Nano-mem Pte. Ltd. & Nanyang Technological University, Singapore

**Track-2: Pharmaceutical Biotechnology****Track-4: Molecular Biology & Bioinformatics****Track-5: Advances in Aquaculture****Session Introduction - Meeting room 4**

- 12:35-12:55 **Title: Biologically active extractives of larch as the basis for new medicines**  
Dr. Babkin Vasily, Russian Academy of Sciences Siberian Branch, Russia
- 12:55-13:15 **Title: New reagents for proteomics, lipidomics, nano-biotechnology and devices**  
Dr. S. V. Eswaran, St. Stephen's College (University of Delhi), India
- 13:15-13:35 **Title: Antibacterials: Past, present – and future?**  
Dr. Nafsika H. Georgopapadakou, Independent Research Consultant, Anti-infectives, Canada
- 13:35-13:55 **Title: Novel mass spectrometry development for biomedical applications**

Dr. Chung Hsuan (Winston) Chen, Academia Sinica Taipei, Republic of China

13:55-14:15 **Title: Multiplexing cell-based assays for the discovery of novel viral protease inhibitors**

Dr. Roland Wolkowicz, San Diego State University, USA

14:15-14:35 **Title: Development of a bio-assay to screen for anti-mitochondrial drugs**

Dr. Chantel Swart, University of the Free State, South Africa

14:35-14:55 **Title: The Rim101/Nrg1 pathway regulates PMR1 expression in yeast cells**

Dr. Linghuo Jiang, Jiangnan University, China

14:55-15:15 **Title: Structure-activity relationship of some 4-anilinoquinazolines as potential inhibitors of adenosine kinase**

Dr. Tasic Ljubica, University of Campinas, Brazil

Coffee Break 15:15-15:25 - Foyer

15:25-15:45 **Title: Molecular evolution of pathogenic bacteria based on rrsA gene**

Dr. Smita C Pawar, Osmania University, India

15:45-16:05 **Title: Effect of temperature up-shift and pH down-shift on fermentation and metabolic characteristics in view of gene expressions in Escherichia coli**

Dr. Chowdhury Mohammad Monirul Hasan, University of Chittagong, Bangladesh

16:05-16:25 **Title: Development of a rapid and sensitive method for assessing endotoxin by using LAL-conjugated-microbeads**

Chihiro Toda, University of Tsukuba, Japan

16:25-16:45 **Title: Homology modeling studies of human carbonic anhydrase VII, IX**

Dr. Vivek Kumar U, Vagdevi College of Pharmacy, India

16:45-17:05 **Title: Treatment of Landfill Leachate by Biological Aerated Filter (BAF)**

Dr. Aysenur Ugurlu, Hacettepe University, Turkey

17:05-17:25 **Title: Biological potentials and clinical applications of cordyceps: A frontier pharmacognosy**

Dr. Shonkor Kumar Das, University of Fukui, Japan and Bangladesh Agricultural University, Bangladesh

17:25-17:45 **Title: The mucosal immune response to plant-derived biopharmaceuticals**

Dr. Kathleen L. Hefferon, Cornell University, USA

Dinner -  
Salon B

Sponsored by: *Journal of Bioremediation & Biodegradation* 19:40-20:30

Day 2 30 November 2011

Breakfast 07:30-08:00 - Foyer

Breakout Room - Slon G

Track 7: Petroleum & Environmental Biotechnology

Track 8: Clinical & Cellular Immunology

Track 9: Medical Biotechnology & Biomedical Engineering

Track 10: Biochips & Tissue Chips

Track 11: Stemcell Research & Therapy

Session Introduction - Salon G

08:30-08:50 **Title: Enhancing the osteoregenerative capacity of bone-mimetic biomaterials through the use of polyglutamate domains to couple osteoinductive peptides, gene therapy vectors and protein cages to the material surface**

Dr. Susan L Bellis, University of Alabama, Birmingham, USA

08:50-09:10 **Title: Mitochondrial DNA in identifying populations with high-risk of developing cancer**  
Dr. Mukesh Verma, National Cancer Institute, USA

09:10-09:30 **Title: Control of allergy**

Dr. B. K. Malik, Amity University, India

09:30-09:50 **Title: Biocompatible and antibacterial biomimetic hybrid films**  
Dr. Maria Carme Coll Ferrer, University of Pennsylvania, USA

09:50-10:10 **Title: Tracking community functions with geochip: Current status, challenges and future perspectives**

Dr. Jizhong Zhou, University of Oklahoma, USA

Coffee Break 10:10-10:20 - Foyer

10:20-10:40 **Title: Orange processing waste as biomass in ethanol green-production**

Dr. Tasic Ljubica, University of Campinas, Brazil

10:40-11:00 **Title: 3D hippocampus: Visualizing brain circuits through 3D technology**

Dr. Deepak Ropireddy, George Mason University, USA

11:00-11:20 **Title: Neuro AIDS, neurotoxicity and HIV virotoxins**

Dr. Ashish S Verma, Amity University, India

11:20-11:40 **Title: Pre clinical and clinical development of an interferon beta 1a biosimilar for the treatment of multiple sclerosis**

Dr. Marcelo Kauffman, Bio Sidus SA, Argentina

11:40-12:00 **Title: Immunohistochemistry on hepatic tissues: an effective and methodical approach to minimize non-specific antibody interactions**  
Benjamin Yu, AstraZeneca R&D

12:00-12:20 **Title: Metabolic response of yeast cells to acid stress in the bioethanol fermentation process**

Dr. Marcos Antonio de Moraes, Federal University of Pernambuco, Brazil

Lunch 12:20-12:50 - Salons CDE

12:50-13:10 **Title: Adipose tissue-derived mesenchymal stem cells pre-treated with natural molecules for vascular cell therapy**  
Dr. Francesca Bianchi, University of Bologna, Italy

13:10-13:30 **Title: Stem cell transplantation for inherited factor VIII deficiency**  
Dr. Neelam Yadav, Dr. R.M.L. Avadh University, India

13:30-13:50 **Title: Nanoparticles and the immune system**  
Dr. Gampa Vijaya Kumar, Vikas institute of Pharmaceutical Sciences, India

Poster Presentation 13:50- 17:10

Coffee Break 15:50-16:00 - Foyer

Cocktails - Salon B  
Sponsored by: Journal of Biosensors & Bioelectronics 17:40-18:30

Day 3 01 December 2011

Breakfast 07:30-08:00 - Foyer

Breakout Room - Salon G

Track 12: Tissue Science & Engineering

Track 13: Food Processing & Technology

Track 14: OMICS Technologies

Track 15: Advances in Plant Biotechnology

Track 17: Advances in Animal Biotechnology

Session Introduction - Salon G

09:00-09:20 **Title: The effect on the growth of Lactobacillus delbrueckii subsp. Bulgaricus when the extract is added of white crane Ganoderma Lucidum (Rhinacanthus nasutus L.) under different conditions**  
Dr. Ching Hui Chang, Industrial Technology Research Institute, Tainan

09:20-09:40 **Title: Epigenetic and OMICS analyses for the expression control of secondary metabolism genes in Aspergillus oryzae**  
Dr. Hiroko Hagiwara, National Institute of Advanced Industrial Science and Technology, Japan

09:40-10:00 **Title: Optimized nano-structures that improve biocompatibility of dental implants**  
Dr. G. Steve Huang, National Chiao Tung University, Taiwan, ROC

10:00-10:20 **Title: Neural tissue engineering strategies for cell replacement and axon regeneration**  
Dr. Kacy Cullen, University of Pennsylvania, USA

10:20-10:40 **Title: Comparative fungal genomics for effective gene identification**  
Dr. Masayuki Machida, National Institute of Advanced Industrial Science and Technology, Japan

10:40-11:00 **Title: Investigation on protective effect of glycomacropptide against dental erosion using scanning electron microscopy**  
Dr. Anita Setarehnejad, University of Wales Institute Cardiff, UK

11:00-11:20 **Title: Enhanced shelf life of banana cultivar mysore kadali using a novel magic gas 1-methylcyclopropene**  
Dr. Komal Mathur, Amity University, India

Lunch 12:00-12:30 - Salon B

Bookmark your dates

3<sup>rd</sup> World Congress on

Biotechnology

24-26 September 2012

Hyderabad Marriott, India

Hyderabad Marriott

