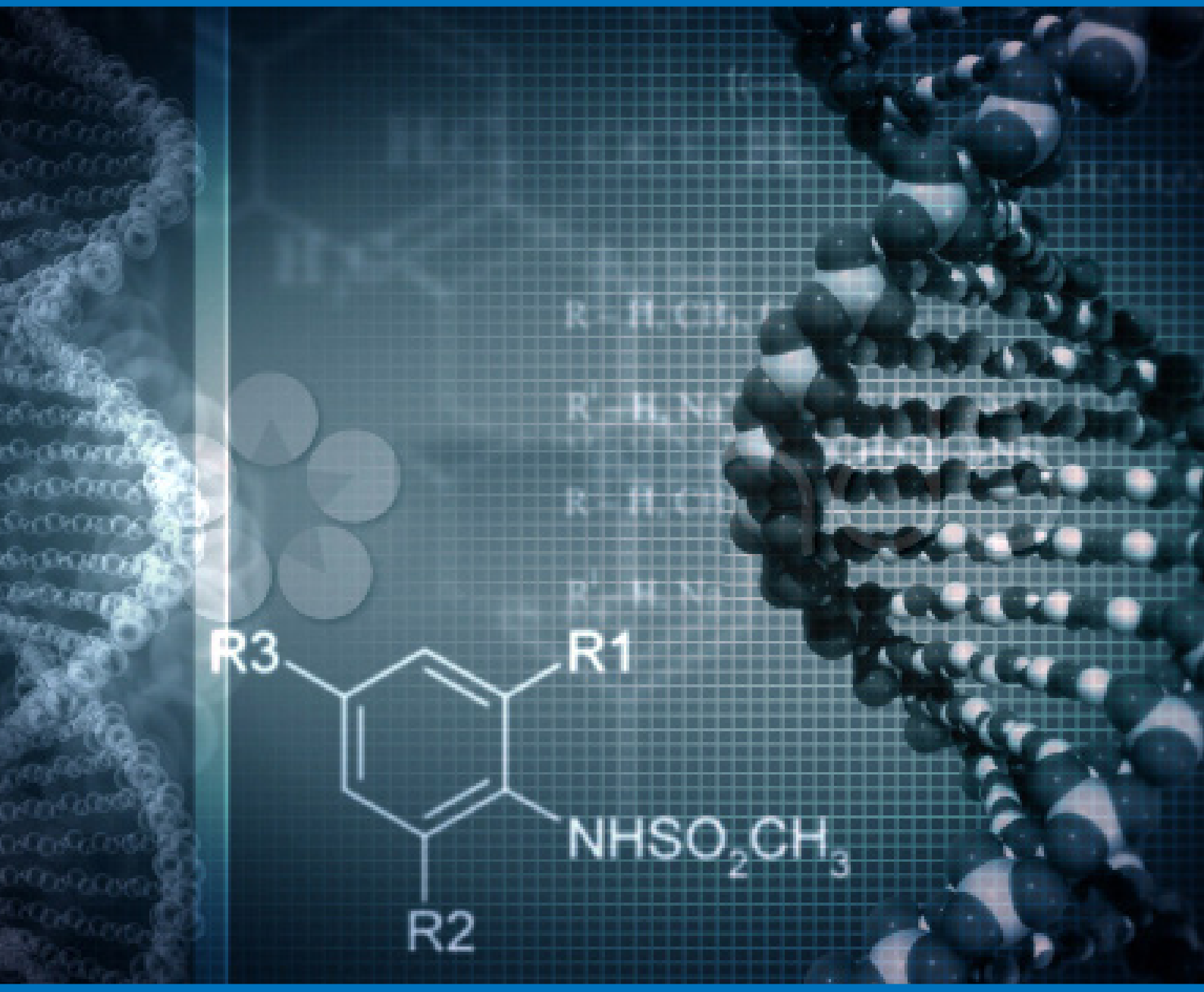
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13TH BIOTECHNOLOGY CONGRESS

November 28-30, 2016 San Francisco, USA



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Day 1 November 28, 2016

09:00-09:30 Registrations

Hall Name

conferenceseries.com **09:30-10:00** **Opening Ceremony**

Keynote Forum

Introduction

10:00-10:50 **Title: Outbreaks of Shiga toxin-related poisoning and methods for early detection**
Xiaohua He, United States Department of Agriculture-Agricultural Research Service, USA

Networking and Refreshments Break: 10:50-11:10

11:10-12:00 **Title: New methods for the detection and mitigation of food-borne toxins**
Luisa Cheng, United States Department of Agriculture-Agricultural Research Service, USA

12:00-12:50 **Title: Plant transformation services**
Zhanyuan J Zhang, University of Missouri, USA

Lunch Break 12:50-13:40

Sessions:
Food Biotechnology, Agricultural Biotechnology, Biotechnology and its Applications, Environmental Biotechnology

Session Chair: Akhileshwari Nath, S. S. Hospital and Research Institute, India
Session Co-chair: Inkyu Park, Korean Institue of Oriental Medicine, Republic of Korea

Session Introduction

13:40-14:10 **Title: Molecular profiling of testis in arsenic induced mice**
Akhileshwari Nath, S S Hospital and Research Institute, India

14:10-14:40 **Title: Chemobiological approaches for enhancing the efficacy of antifungal intervention**
Jong H Kim, United States Department of Agriculture-Agricultural Research Service, USA

14:40-15:10 **Title: Antibody engineering from hybridoma-derived monoclonal antibodies**
Lmar Babrak, United States Department of Agriculture-Agricultural Research Service, USA

15:10-15:40 **Title: Deep sequencing of root endophyte *Piriformospora indica* grown under salt stress**
Nivedita Lal, Jamia Hamdard, India

15:40-16:10 **Title: Comparative analysis of complete chloroplast genome sequence of two *Aconitum* species and in the family Ranunculaceae**
Inkyu Park, Korea Institute of Oriental Medicine, South Korea

Young Researcher Forum

Networking and Refreshments Break: 16:10-16:30

16:30-16:50 **Title: Optimization of biomass and lipid production from a local *Chlorella* isolates using response surface methodology and artificial neural network**
Zanenhlanhla Gumbi, University of KwaZulu Natal, South Africa

16:50-17:10 **Title: A combined salt and acid pretreatment for enhanced enzymatic saccharification of waste sugarcane leaves**
Preshanthan Moodley, University of KwaZulu Natal, South Africa

17:10-17:30 **Title: A two-stage hybrid pretreatment for enhanced enzymatic digestibility from corn cobs**
Yeshona Sewsynker, University of KwaZulu Natal, South Africa

Panel Discussion

Day 2 **November 29, 2016**

Hall Name

Keynote Forum

10:00-10:50 Introduction
Title: A novel strategy for developing long acting recombinant proteins: From bench to bedside
Fuad Fares, University of Haifa, Israel

Networking and Refreshments Break: 10:50:11:10

11:10-12:00 **Title: Leveraging process characterization, manufacturing process history and facility fit considerations to improve cell culture process performance**
Edward Crabbe, Bristol Myers Squibb, USA

Sessions:
Industrial and Microbial Biotechnology, Biotechnology and its Applications, Nano Biotechnology

Session Chair: Vinod Kumar, The University of Nottingham, UK
Session Co-chair: Yogita Patil-Sen, University of Central Lancashire, UK

Session Introduction

12:00-12:30 **Title: Production of 1,3-propanediol from glycerol by mutant *Klebsiella pneumoniae* J2B devoid of 2,3-butanediol formation**
Vinod Kumar, The University of Nottingham, UK

12:30-13:00 **Title: Magnetoliposomes for hyperthermia cancer therapy**
Yogita Patil-Sen, University of Central Lancashire, UK

Lunch Break: 13:00-13:50

13:50-14:20 **Title: Synergistic antibacterial potential and total bioactive component determination of *Elletaria cardamomum, Piper nigrum* and *Syzygium aromaticum***
Varsha Mehra, Shaheed Rajguru College of Applied Sciences for Women, India

14:20-14:50 **Title: Thwarting PTEN expression by siRNA, augments HL-60 cell differentiation to neutrophil-like cells by DMSO and ATRA and reduces NETosis**
Shahram Teimourian, Iran University of Medical Sciences, Iran

14:50-15:20 **Title: Acceleration of glycolysis and D-lactate production by novel global metabolic engineering in yeast**
Ryosuke Yamada, Osaka Prefecture University, Japan

15:20-15:50 **Title: Renin-angiotensin-aldosterone system genomics in essential hypertension**
Kamna Srivastava, University of Delhi, India

Panel Discussion

Networking and Refreshments Break: 15:50:16:10

Young Researcher Forum

16:10-16:30 **Title: New process for copper migration from contaminated soil and bioelectricity generation in soil microbial fuel cells**
Hui Wang, Southeast University School of Energy and Environment, China

16:30-16:50 **Title: Simultaneous degradation of refractory organic pesticide and bioelectricity generation in a soil microbial fuel cell with different conditions**
Xian Cao, Southeast University School of Energy and Environment, China

16:50-17:10 **Title: Chondrogenic and possible pathologic effects of PRP on adipose derived MSCs**
Arezou Pakfar, Islamic Azad University, Iran

Day 3	November 30, 2016

Hall Name

Poster Competition 10:00 to 12:00 with Cofee Break 11:15-11:35

Biotek 1	**Title: Determination of genes involved in lignification of pomegranate seeds by transcriptome sequencing** **Yildiz Aka Kacar**, Cukurova University, Turkey
Biotek 2	**Title: PNA analysis for authentication of four medicinal *Paeonia* species based on rDNA-ITS sequence** **Wook Jin Kim**, Korea Institute of Oriental Medicine, South Korea
Biotek 3	**Title: Biocatalytic asymmetric phosphorylation catalyzed by recombinant glycerate-2-kinase** **Birhanu Mekuaninte Kinfu**, University of Hamburg, Germany
Biotek 4	**Title: Development of an automated portable system for extraction of DNA from difficult samples** **Wojciech Hahnel**, Hochschule Kaiserslautern University of Applied Sciences, Germany
Biotek 5	**Title: Effect of simulated gastric juice over viability in microencapsulated *Lactobacillus casei*** **Araceli Olivares**, Pontifical Catholic University of Valparaiso, Chile
Biotek 6	**Title: Nanoliposome particle possessing protein based CRISPR/Cas9 system for the therapeutic applications** **Jee-Yeon Ryu**, Ajou University, South Korea
Biotek 7	**Title: Novel technique to develop transgenic selectable marker free pigeonpea (*Cajanus cajan*) conferring resistance against pod borer *Helicoverpa armigera*** **Gourab Ghosh**, St. Xavier's College, India
Biotek 8	**Title: Ergothioneine fermentative production in *Escherichia coli*** **Miyu Nishiguchi**, Nara Institute of Science and Technology, Japan
Biotek 9	**Title: Strategy to overcome nucleic acid degrading enzymes in insect pests for the RNAi application** **Rayssa Almeida Garcia**, Federal University of Brasilia, Brazil
Biotek 10	**Title: Molecular adaptation of a metagenome-derived mercuric reductase from Kebrit Deep brine environment in the Red Sea to high salinity** **Eman Bellah Aly Ramadan**, The American University in Cairo, Egypt
Biotek 11	**Title: Development of lipase-sucrose complex to improve of transesterification activity and stability in the organic solvents** **Shota Kajiwara**, Osaka Prefecture University, Japan
Biotek 12	**Title: Functional adaptation of mercuric reductases from the deep brine environment of Atlantis II in the Red Sea to high temperature** **Mohamad Maged Galal**, The American University in Cairo, Egypt
Biotek 13	**Title: Evaluation of nutrient removal (NO3-N, NH3-N and PO4-P) with *Chlorella vulgaris, Pseudomonas putida, Bacillus cereus* and the consortium of these microorganisms in the secondary treatment of municipal wastewater effluents** **Abril Ivett Priscilla Gomez-Guzman**, University of Guadalajara, Mexico

Closing and Award Ceremony with Networking 12:00-12:40

Lunch Break 12:45-13:30