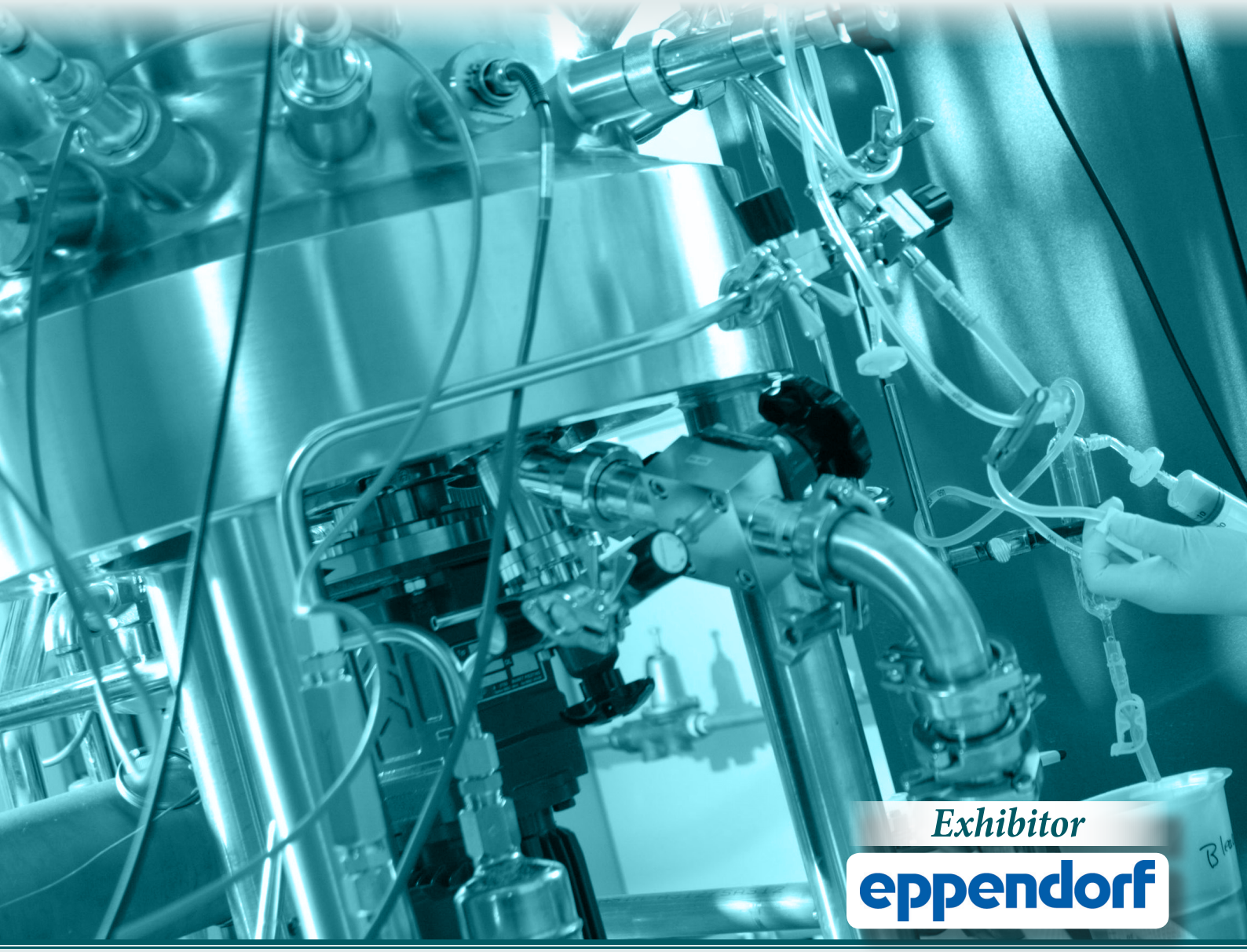
Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

2nd International Conference on
Bioprocess & Engineering

June 26-27, 2014 Valencia Conference Centre, Spain



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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*

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Email: *bioprocess2014@omicsonline.net*

Day 1 June 26, 2014

08:30-09:30 Registrations

Committee Room 8+9

OMICS Group Conferences
Accelerating Scientific Discovery

09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:05 **Introduction**

10:05-10:30 **Osama O Ibrahim**
Bio Innovation, USA

10:30-10:55 **Hector Hernandez Escoto**
University of Guanajuato, Mexico

Coffee Break 10:55-11:15 @ Multipurpose Hall-1

Track 1: The Art of Fermentation

Session Chair: Donal F. Day, LSU Agricultural Center, USA

Session Introduction

11:15-11:35 **Bio-ethanol project economic & development**
Osama O Ibrahim, Bio Innovation, USA

11:35-11:55 **Microbes, immobilization and bioreactors**
Donal F Day, LSU Agricultural Center, USA

11:55-12:15 **UV-C applied to food: Microbiological, physic-chemical and sensorial implications**
Poliana Mendes de Souza, Federal University of Jequitinhonha and Mucuri Valley, Brazil

12:15-12:35 **Fermented foods and their rheological properties: Can we modify their texture?**
Filiz Altay, Istanbul Technical University, Turkey

Group Photo

Lunch Break 12:35-13:25 @ Multipurpose Hall-2

13:25-13:45 **Eco-friendly conversion of agroindustrials residues for production of biomass and chitosan by Mucor subitilissimus on solid fermentation**
Galba Maria de Campos Takaki, Catholic University of Pernambuco, Brazil

13:45-14:05 **Influence of the use agro-industrial waste lipase production by Aspergillus sp isolated from Caatinga-Pernambuco-Brazil through factorial designer**
Carlos Alberto Alves da Silva, University Nangui Abrogoua, Cote d'Ivoire

Track 2: Fermentation Extravaganza: A New Revolution for Food and Beverages

Session Chair: Osama O Ibrahim, Bio Innovation, USA

Session Introduction

14:05-14:25 **Kinetics aspect of alcoholic fermentation carried out in model solutions and wines with high residual sugar**
Angela Zinnai, University of Pisa, Italy

14:25-14:45 **Bioprocess for manufacturing the newly low calorie sweetener D-tagatose**
Osama O Ibrahim, Bio Innovation, USA

14:45-15:05 **The traditional Tuscan bread: Composition and sensory evaluation as a function of the production process**
Francesca Venturi, University of Pisa, Italy

Coffee Break 15:05-15:25 @ Multipurpose Hall-1

15:25-15:45 **Characteristics of Bifidobatcerium longum KACC 91563 and antioxidant peptides production by the fermentation of milk protein**
Junsang Ham, RDA, Korea

15:45-16:05 **The influence of with certain lactobacillus fermented Satureja montana L. on ready-to cook-minced pork quality and safety parameters**
Elena Bartkiene, Lithuanian University of Health Sciences, Lithuania

Track 3: Fermentation Aspects of New Product Development

Session Chair: Uwe Jandt, Hamburg University of Technology, Germany

Session Introduction

16:05-16:25	**Biotechnological valorisation of raw glycerol from biodiesel to production biomass and single cell oil by Mucorcircinelloides UCP 050** **Carlos Alberto Alves da Silva,** Catholic University of Pernambuco, Brazil
16:25-16:45	**Biosurfactant production by filamentous fungi Cunninghamella elegans strains supplemented with agroindustrial wastes using factorial design** **Galba Maria de Campos Takaki,** Catholic University of Pernambuco, Brazil
16:45-17:05	**Bioprocessing in the dimorphic yeast Yarrowia lipolytica and biopharmaceutical marketing: Progress and challenges** **SaoussenTurki,** High Institute of Medical Technologies of Tunis, Tunisia
17:05-17:25	**Changes of the mean molecular mass of polyhydroxybutyrate (PHB) synthesized by the OP strain of Azotobacter vinelandii cultured under different oxygen transfer conditions** **Carlos F Pena Malacara,** National Autonomous University of Mexico, Mexico
17:25-17:45	**Fermentation strategies for recombinant thermophilic phosphotriesterase enzyme production** **Odile Francesca Restaino,** Second University of Naples, Italy
17:45-18:05	**Bioprocess optimization strategies to enhance Camptothecin (CPT) production by in vitro cultivation of endophytes** **Smita Srivastava,** Indian Institute of Technology Madras, India

Day 2 June 27, 2014

Committee Room 8+9

Track 4: Introduction to Bioprocess

Session Chair: Gokhan Boran, Yuzuncu Yıl University,Turkey

Session Introduction

09:30-09:50	**Challenges for stem cell bioprocessing - scale-up or scale-out?** **Chris J Hewitt,** Loughborough University, UK
09:50-10:10	**Novel physico-biological strategy for the remediation of effluents polluted with industrial contaminants** **Francisco Javier Deive,** University of Vigo, Spain

Coffee Break 10:10-10:30 @ Multipurpose Hall-1

10:30-10:50	**Cell culture synchronization at bioreactor scale under physiological conditions** **Uwe Jandt,** Hamburg University of Technology, Germany
10:50-11:10	**Analysis of biological processes: Verbal description, schemes, and mathematical models** **Alfonsas Juska,** Vilniaus universitetas, Lithuania

Track 5: Application of Bioprocess

Session Chair: Hector Hernandez Escoto, University of Guanajuato, Mexico

Session Introduction

11:10-11:30	**Utilization of chicken by-products: Their potential in gelatin manufacturing** **Gokhan Boran,** Yuzuncu Yıl University,Turkey
11:30-11:50	**An economic technique for displaying the performance of enzymatic cocktails for saccharification of lignocellulosic biomass** **Hector Hernandez Escoto,** University of Guanajuato, Mexico
11:50-12:10	**Fermentative production of 2,3-butanediol and its recovery by electrodialysis-ion exchange and alcohol precipitation** **Sangjun Jeon,** GS Caltex Corporation, Republic of Korea

Track 6: Bioreactors and Cell Culture Systems
Track 7: Fermentation and Cell Culture Media
Track 8: Optimizing Cell Culture Process
Track 9: Culture of Non-Mammalian Cells

Session Chair: Osama O Ibrahim, Bio Innovation, USA

Session Introduction

12:10-12:30	**Adaptation of human prolactin secreting CHO cells to growth in suspension** **Fernanda Santos Arthuso,** University of Sao Paulo, Brazil

Lunch Break 12:30-13:20 @ Multipurpose Hall-2

13:20-13:40	**Computer aided analysis and simulation of three phase semifluidized bed bioreactor with special reference to xanthan gum production from cheese whey** **C. M. Narayanan,** National Institute of Technology, India

13:40-14:00	**Rigid wall single-use bioreactors for parallel cultivation of microorganisms** **Steffen Ostermann,** Eppendorf AG Bioprocess Center, Germany
14:00-14:20	**Glyco-mutant library of the versatile enzyme horseradish peroxidase** **Simona Capone,** Vienna University of Technology, Austria
14:20-14:40	**The utilization of Hazelnut shell for ethanol production:Optimization and kinetic studies** **Faten A Khorshid,** King Abdulaziz University, Saudi Arabia
	Coffee Break 14:40-15:00 @ Multipurpose Hall-1
15:00-15:20	**Novel tools and approaches in downstream processing of biomolecules** **Dragana P C de Barros,** University of Lisbon, Portugal
15:20-15:40	**nfluence of medium recycling on the cell growth and baculovirus production of the Se301 insect cell line** **A Beas-Catena, University of Almeria, Spain**
	Multipurpose Hall-1
15:40-17:30	**Exhibition & Poster Presentations**
	E-CAPASTE extract of papaya peels waste as a catalyst to accelerate the process of making Soybean cake **Cindy Mutiara Septani,** Brawijaya University, Indonesia
	Development of a downstream process for the purification of Lipid A from engineered Escherichia coli K4: a potential scaffold to obtain semi-syntethic vaccine adjuvants **Alberto Alfano,** Second University of Naples, Italy
	Analysis of conventional and nonconventional entrainers to obtain high purity bioethanol using extractive batch distillation **Salvador Hernandez,** University of Guanajuato, Mexico
	Overproduction of Triptolide a potent anti-inflammatory agent by biotechnology in plant cell culture of Tripterygium wilfordii **Thien Nguyen,** Biotechnology Centre for Research and Development, France
	Ionic liquids removal by microorganisms from extreme environments **Francisco Javier,** University of Vigo, Spain
	The challenges in use of appropriate statistical test in analyzing data in developing countries **Miroslav Pohanka,** University of Defence, Czech Republic
	Synthesis of degradable polyhydroxyalkanoates: structure and properties of multicomponent copolymers **Anatoly Boyandin,** Russian Academy of Sciences, Russia
	Green biodegradable plastics from sustainable resources of agro-industrial residues **Yaser Dahman,** Ryerson University, Canada
	Growth and baculovirus production of the Se301 insect cell line in small scale bioreactors. Influence of dissolved oxygen **Alba Beas-Catena,** University of Almeria, Spain
	Award Ceremony

Bookmark your dates

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3rd International Conference on

Bioprocess & Engineering

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