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Scientific Program

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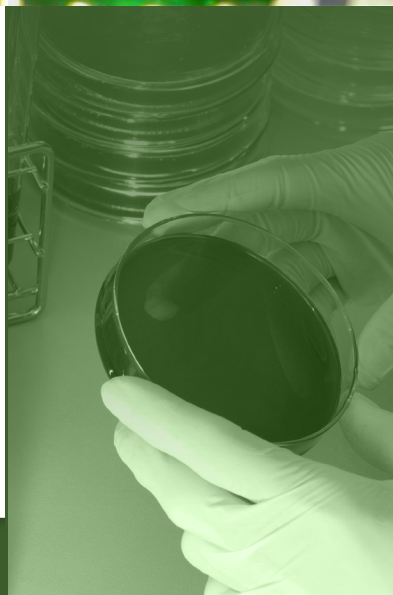
Bioprocess and Biosystems Engineering

September 14-15, 2015 Baltimore, USA



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OMICS International Conferences

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Scientific Program

Day 1 September 14, 2015

09:00-10:00 Registrations

Billie Holiday

10:00-10:30 Opening Ceremony

Keynote Forum	
10:30-10:35	**Introduction**
10:35-11:20	**Yanfeng Zhang** XBiotech, USA
	Group Photo & Coffee Break 11:20-11:35 @ Foyer
11:35-12:20	**William G Whitford** GE Healthcare Life Sciences Cell Culture, USA
Track 3: Downstream processing Track 12: Fermentation Technology, Bioprocess and cell culture	
Session chair: Hartmut Grammel, Biberach University of Applied Science, Germany	
	Session Introduction
12:20-12:50	**A fermentation strategy for industrial application of purple bacteria, based on computational modeling**
	Hartmut Grammel, Biberach University of Applied Science, Germany
12:50-13:20	**Drying as an unit operation in downstream processing**
	Kehinde Taiwo, Obafemi Awolowo University, Nigeria
	Lunch Break 13:20-14:20 @ Eden's Landing Restaurent
14:20-14:50	**Intensified manufacturing culture media development considerations**
	William G Whitford, GE Healthcare Life Sciences Cell Culture, USA
14:50-15:20	**Bioconversion of lignocelulosic materials to ethanol and xylitol by Candida boidinii UFMG14**
	Daniel Bonoto Gonçalves, Federal University of São João del-Rei, Brazil
	Coffee Break 15:20-15:40 @ Foyer
15:40-16:10	**Optimization of high-cell density cultivation to produce monoclonal antibody in glycoengineered *Pichia pastoris* by real-time monitoring of glycerol and methanol**
	Sehoon Kim, Merck & Co, USA
16:10-16:40	**Microbial fermentation: Enzymes, metabolic pathways and fermentation aspects**
	Osama Ibrahim, Consultant Biotechnology, USA
16:40-17:10	**Synthetic-natural polyblend nano-micro structured scaffolds for bladder tissue engineering applications**
	Fatemeh Ajalloueian, Technical University of Denmark, Denmark
Panel Discussion	

Day 2 September 15, 2015

Billie Holiday

Keynote Forum	
09:00-09:40	**Maik W Jornitz** President G-CON Manufacturing, USA
Track 7: Applications of bioprocess in pharma and QC testing Track 9: Bioprocess controll and safety	
Session chair: Jeffrey A Lavarias, Central Luzon State University, Philippines	
	Session Introduction

09:40-10:10	**Duckweed as a platform for the production of valuable pharmaceuticals**
	Louis Landesman, Virginia State University, United States
10:10-10:40	**Future facility needs, flexibility and cost evaluations**
	Maik W Jornitz, President G-CON Manufacturing, USA
10:40-11:10	**Downstream process development for purification of a novel anti-MRSA antibody: A case study for antibody aggregation removal**
	Yanfeng Zhang, XBiotech, USA
	Coffee Break 11:10-11:25 @ Foyer
11:25-11:55	**A new bioprocess to produce low cost powder formulations of biocontrol agents to manage soil borne pathogens of pulses**
	F A Mohiddin, Sher-e-Kashmir University of Agricultural Sciences and Technology, India
11:55-12:25	**Optimization of mechanical cacao shelling parameters using unroasted cocoa beans**
	Jeffrey A Lavarias, Central Luzon State University, Philippines
Track 4: Bioprocess filtration Track 6: Development to bioprocess Track 8: Food and beverage testing	
Session chair: Anna Trusek-Holownia, Wroclaw University of Technology, Poland	
	Session Introduction
12:25-12:55	**Separation of whey proteins and their hydrolyzates in membrane filtration**
	Anna Trusek-Holownia, Wroclaw University of Technology, Poland
	Lunch Break 12:55-13:50 @ Eden's Landing Restaurent
13:50-14:20	**A systematic approach to process understanding – accelerating bioprocess development**
	Christoph Herwig, Vienna University of Technology, Austria
14:20-14:50	**Immobilization of enzymes in mesoporous sol-gel silica, enzymatic digestion of biomass, and selectivity for molecular recognition**
	Hai-Feng Frank Ji, Drexel University, USA
14:50-15:50	**Workshop by** **William G Whitford,** GE Healthcare Life Sciences Cell Culture, USA
	Coffee Break 15:50-16:10 @ Foyer
Track 10: Fuel development technology Track 11: Analytical and cellline development	
Session chair: Osama O Ibrahim, Consultant Biotechnology, USA	
	Session Introduction
16:10-16:40	**Lignocellulose saccharification and direct fermentatation to ethanol: An engineered Saccharomyces cerevisiae codisplaying active cellulases / domains**
	Chandrasekhar Banoth, Osmania University, India
16:40-17:10	**Bio-diesel project economic & development**
	Osama O Ibrahim, Consultant Biotechnology, USA
	Panel Discussion
	Award Ceremony

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4th Interenational conference on

Bioprocess and Biosystems Engineering

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