359th OMICS International Conference

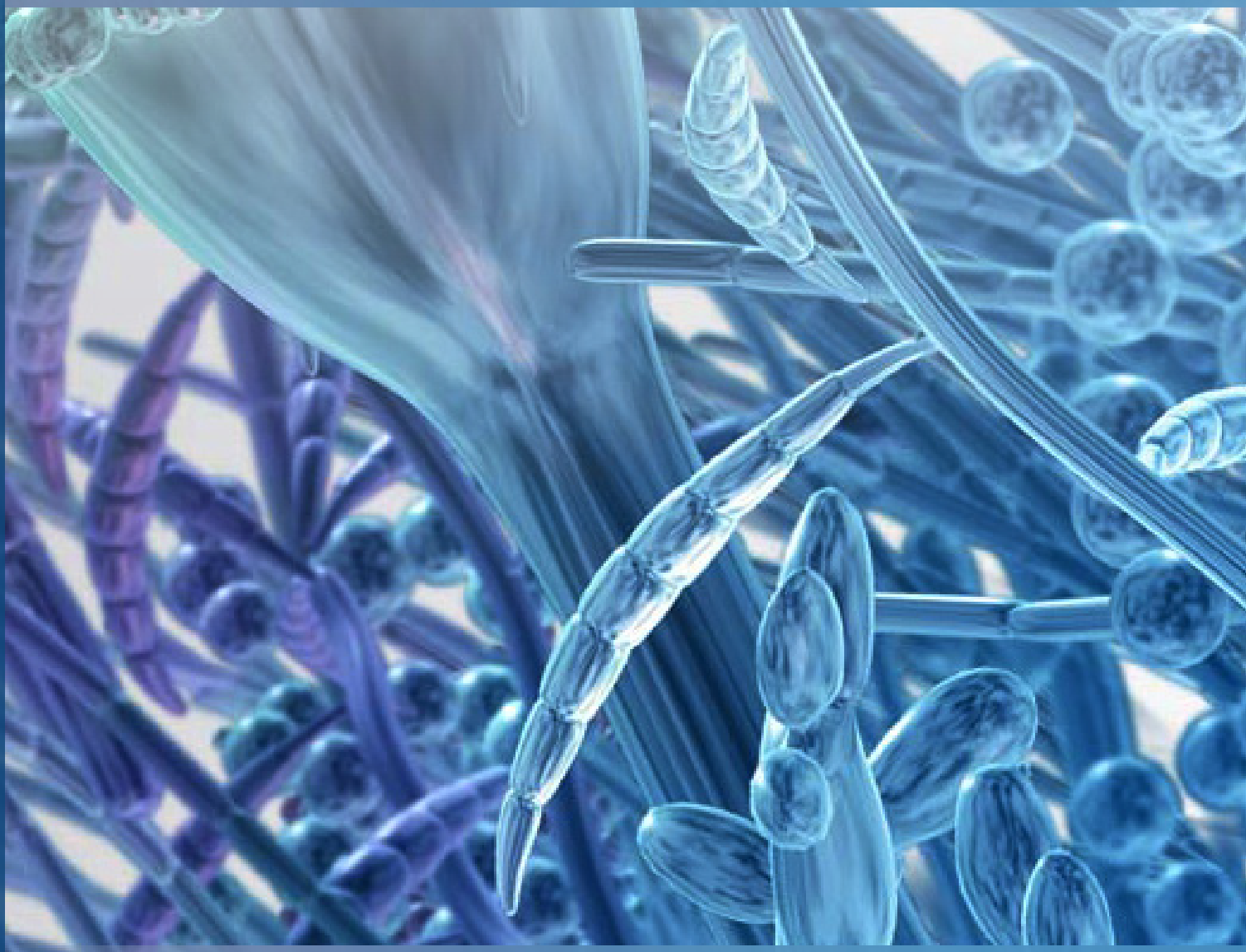
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Scientific Program

Proceedings of World Congress on

Beneficial Microbes: Food, Pharma, Aqua & Beverages Industry

August 25- 27, 2015 Valencia, Spain



OMICS International Conferences

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Scientific Program

Day 1 August 25, 2015

08:00-09:30 Registrations

Melia Meeting 4-5

09:30-09:55 Opening Ceremony

Keynote Forum

09:55-10:00 Introduction

10:00-10:30 Functional properties of Lactobacillus sp. strains for application in health improvement
Marika Mikelsaar, University of Tartu, Estonia

Track 3: Microbes: Food and Agriculture
Track 7: Application of Microbes in Medicine
Track 8: Microbes Potential Uses
Track 10: Environmental Microbiology and ecology
Track 11: Latest Research Update on Probiotics

Session Chairs: Marika Mikelsaar, University of Tartu, Estonia
Yehuda Shoenfeld, Tel-Aviv University, Israel

Session Introduction

10:30-10:55	**Testing evolutionary theory in thiotrophic mutualism** **Monika Bright,** University of Vienna, Austria
	Coffee Break 10:55-11:15 @ Foyer
11:15-11:40	**A beneficial Microbe, *Desulfobacterium anilini*** **Semiu Kareem,** Modibbo University of Technology, Nigeria
11:40-12:05	***Faecalibacterium prausnitzii* strain HTF-F and its extracellular polymeric matrix attenuate clinical parameters in DSS-induced colitis** **Jerry Wells,** Wageningen University, The Netherlands
12:05-12:30	**Morphological identification of cocci lactic acid bacteria using scanning electron microscope and image analysis** **Hoda El-zaini,** Cairo University, Egypt
12:30-12:55	**Combination of natural micro-flora with industrial strains in bio refineries** **Elias Hakalehto,** University of Eastern Finland, Finland
	Group Photo
	Lunch Break 12:55-13:55 @ Aqua Restaurant
13:55-14:20	**Steroid C25 dehydrogenase – A novel catalyst for regioselective hydroxylation of cholesterol and its derivatives** **Maciej Szaleniec,** Polish Academy of Sciences, Poland
14.20-14:45	**Production of selenium enriched *Saccharomyces cerevisiae* using yeast extract peptone dextrose broth** **Bhukya Prakash,** ICAR – Directorate of Poultry Research, India
	Keynote Forum
14.45-15:15	**Helminthes and autoimmune diseases: Phosphorylcholin-tuftsin (TPC) conjugate attenuate clinical score and inflammation in three autoimmune mouse models** **Yehuda Shoenfeld,** Tel-Aviv University, Israel
	Coffee Break 15:15-15:35 @ Foyer
15:35-16:00	**The varied adhesive abilities of acetic acid bacteria isolated from environmental and industrial sources** **Hubert Antolak,** Lodz University of Technology, Poland

16:00-16:25	**Beneficial microbes for the treatment of dyes contaminated wastewater**
	Zaharah Ibrahim, Universiti Teknologi Malaysia, Malaysia
16:25-16:50	**Probiotics feeding suspension increases tilapia susceptibility through inducing gut dysbiosis**
	Zhigang (Peter) Zhou, Chinese Academy of Agricultural Sciences, China
Panel Discussion	

Day 2 August 26, 2015	
Melia Meeting 4-5	
Keynote Forum	
10:00-10:30	**Phytosterol bioconversions by *Actinobacteria* and their application in steroid pharmaceutical industry** **Marina Donova** Russian Academy of Sciences, Russia
Symposium: Bacteriophages - beneficial microbes at their best	
Session chair: Alexander Sulakvelidze, Intralytix, USA	
	Session Introduction
10:30-10:55	**Bacteriophages - new class of beneficial microbes and their practical applications**
	Alexander Sulakvelidze, Intralytix, USA
	Coffee Break 10:55-11:15 @ Foyer
11:15-11:40	**Bacteriophage-based biocontrol for gently modifying food microflora and improving food safety**
	Joelle Woolston, Intralytix, USA
11:40-12:05	**Phagebiotics in treatment and prophylaxis of foodborne infections**
	Andrey Aleshkin, Gabrichevsky Moscow Research Institute for Epidemiology and Microbiology, Russia
12:05-12:30	**Reprogramming the gut: Bacteriophages and their roles in modifying the gastrointestinal microflora**
	Lawrence Goodridge, McGill University, Canada
Track 2: Microbes: Fermentation Processes Track 3: Microbes: Food and Agriculture Track 6: Parameter of Microbial Growth	
Session Chair: Alejandro Pérez de Luque, IFAPA, Spain **Session Co-Chair: Zhigang (Peter) Zhou**, Chinese Academy of Agricultural Sciences, China	
12:30-12:55	**Isolation and identification of probiotic lactic acid bacteria from natural fermentation of soymilk**
	Steven Manzi, Vaal University of Technology, South Africa
	Lunch Break 12:55-13:55 @ Aqua Restaurant
14:00-14:45	Poster Session @ Foyer
P1	**MIRRI - Microbial resources research infrastructure. The future european portal to access a broad scope of high quality microbes and related services**
	Aurora Zuzuarregui Miró, University of Valencia, Spain
P2	**Efficient engineering of a bacteriophage genome using the type I-E CRISPR-Cas system**
	Udi Qimron, Tel Aviv University, Israel
P3	**Exploiting 3rd generation sequencing reads for *de novo* assembly of bacterial genomes**
	Stephane Duboux, Nestlé Research Center, Switzerland
P4	**Selection of lactic acid bacteria able to hexose and pentose fermentation**
	Hubert Antolak, Lodz University of Technology, Poland
P5	**Evaluation of the effectiveness of a new probiotic preparation for animals**
	Katarzyna Śliżewska, Lodz University of Technology, Poland
P6	**Sugar beet hydrolisates as a carbon source for LAB**
	Marta Dudkiewicz, Lodz University of Technology, Poland

P7	**The role of wcbE gene in the synthesis of antimicrobial compounds of *Burkholderia seminalis* TC3.4.2R3.**
	Priscila Romano, University of São Paulo, Brazil
P8	**Health in Microscale**
	Berrak Ertürk, Nur Polat and Fide Sevgi, Istanbul Technical University (ITU) along with Montana State University (MSU), Turkey
P9	**Evaluation of different sources of *Saccharomyces cerevisiae* to binding aflatoxin B1**
	Bruna Leonel Gonçalves, University of São Paulo, Brazil
P10	**Influence of feeding probiotic yogurt on immunity and health conditions of rats**
	Abdelrahman Ali, Cairo University, Egypt
P11	**Antimicrobial activity and properties of *Enterococcus faecium* strains isolated from kefir**
	Erdogan Cakir, Anadolu University, Turkey
P12	**Continous production of lipopeptide biosurfactant pseudofactin in a bioreactor with foam overflow and cell recirculation**
	Piotr Biniarz, University of Wroclaw, Poland
P13	**Tannase activity by *Enterococcus faecium* isolated from local fermented food**
	Merih Kıvanç, Anadolu University, Turkey
P14	**In vitro Investigation of Biofilm formation capacity of oral lactic acid bacteria isolates on different carbonhydrates**
	Gizem Arik Berk, Anadolu University, Turkey
P15	**Selection of potential probiotic lactic acid bacteria from fermented vegatable by in vitro tests**
	Hilal Genç, Anadolu University, Turkey
P16	**Searching usability of waste material of rose oil for microbial oil production**
	Ayse Gokdal, Anadolu University, Turkey
P17	**Lactic acid bacteria from fermented whey as a biocontrol tool against phytopathogenic microorganisms**
	Pablo Caballero Jiménez, Universidad de Sevilla, Spain
P18	**Effect of pH on the production of hydrolytic enzymes of industrial interest by *Bacillus licheniformis* using sewage sludge as a low-cost culture medium**
	Bruno Rodríguez Morgado, Universidad de Sevilla, Spain
P19	**Petroleum oil biodegradation by *Corynebacterium aquaticum* and *Pseudomonas aeruginosa* straines isolated from the industrial rejection of the refinery of Arzew-Algeria**
	Linda Aouad, Oran university, Algeria
P20	**Biofilm Formation and Genomic Variability by ERIC-PCR of *Bacillus thuringiensis* Strains**
	Patricia Gomez de Leon, Ciudad Universitaria, México
P21	**Design of a biofertilizer based on Okara fermentated with *Bacillus licheniformis***
	Angel Gomez Orts, Universidad de Sevilla, Spain
Oral Session	
14:50-15:15	**Below ground interactions between *mycorrhiza* and *rhizobacteria* prime above ground wheat defence**
	Alejandro Pérez de Luque, IFAPA, Spain
15.15-15:40	**The key to acetate: Metabolic fluxes of *Acetic Acid Bacteria* under Cocoa pulp fermentation-simulation conditions**
	Stephane Duboux, Nestlé Research Center, Switzerland
Coffee Break 15:40-16:00 @ Foyer	
16:00-16:25	**Amino-acid profiles of yeast Autolysate**
	Marta Dudkiewicz, Lodz University of Technology, Poland

Day 3 August 27, 2015	
Melia Meeting 4-5	
Track 1: Genetic Engineering of Microbes Track 5: Microbes In Beverages Industry Track 9: Microbial Metabolites Track 14: Industrial Applications of Microbes	
10:00-10:25	**Polysaccharide production by wine lactic acid bacteria: Negative trait or potential advantage?**
	Marguerite DOLS-LAFARGUE, Bordeaux National Polytechnic Institute, France
10:25- 10:50	**The probiotic effector molecules in Lactobacilli and their action mechanism: A review**
	Zhigang (Peter) Zhou, Chinese Academy of Agricultural Sciences, China
10:50-11:15	**A genetically modified *Pichia pastoris*-based biocatalyst for short-chain FOS production from sucrose**
	Luis Enrique Trujillo, Universidad de las Fuerzas Armadas (ESPE), Ecuador
Coffee Break 11:15-11:40 @ Foyer	
11:40-12:05	**Microalgae for industrial applications: From laboratory to industry**
	Imane Wahby, Moroccan Foundation for Advanced Science, Innovation and Research, Morocco
Panel Discussion	
Best Poster Award	
Closing Ceremony	
Lunch Break 12:55-13:55 @ Aqua Restaurant	

Bookmark your dates

2nd World Congress on

Beneficial Microbes: Food, Pharma, Aqua & Beverages Industry

September 15-17, 2016 Phoenix, USA

Website: http://beneficialmicrobes.omicsgroup.com/

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