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Joint Conference

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MICROBES AND BENEFICIAL MICROBES

October 16-17, 2017 Baltimore, USA

EXHIBITOR

Lyse-It



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08:15-08:45 Registrations

Conference Hall - Greenspring II

conferenceseries.com 08:45-09:15 **Opening Ceremony**

Keynote Forum

09:15-09:50 **Title: Evolution by tumor neofunctionalization and expression of evolutionarily novel genes in tumors**
Andrei Kolzov, Peter The Great St Petersburg Polytechnic University, Russia

09:50-10:25 **Title: Selective myeloperoxidase-bacteria binding and killing: Mechanism for establishing and maintaining lactic acid bacteria (LAB) as normal flora**
Robert C. Allen, Creighton University School of Medicine, USA

10:25-11:00 **Title: Progress and challenges: What's happened to keystone taxa and their metagenomic footprints in human gut microbial cometabolism ?**
Linda Duffy, National Institutes of Health NIH/DHHS, USA

Panel Discussion

Networking & Refreshment Break 11:00-11:15 @ Alcove 1

11:15-11:50 **Title: Amino acid catabolism of *Thermoanaerobacter* and *Caldanaerobacter* species**
Johann Orlygsson, University of Akureyri, Iceland

11:50-12:25 **Title: Genetic control and regulation of the biosynthesis of isoprenoids in the red yeast *Xanthophyllomyces dendrorhous***
Jennifer Alcaino, Universidad de Chile - Santiago, Chile

12:25:13:00 **Title: Microbiology technology for environmental sustenance**
Shaon Ray Chaudhuri, Tripura University, India

Group Photo

Panel Discussion

Lunch Break 13:00-14:00 @ Atrium Upper

Sessions: Medical & Pharmaceutical Microbiology | Clinical Microbiology & Microbial infections | Industrial Applications of Microbes | Field of Probiotics |Microbes in Human welfare | Soil Microbiology & Agricultural Microbiology

Session Chair: Chris D Geddes, Director of the Institute of Fluorescence, USA

Session Co-chair: Johann Orlygsson, University of Akureyri, Iceland

Session Introduction

14:00-14:20 **Title: Characterizing temporal and inter-individual functional differences in pre-term human infant gut microbiome development by a metaproteomics approach**
Robert Hettich, Oak Ridge National Laboratory, USA

14:20-14:40 **Title: Computer generated decision suport for probotic guideline addressing artificial intellegnece: An educational strategy/resource**
John Thomas, International Educator and Global Microbiologist, USA

14:40-15:00 **Title: Prevalence, concentration and the related microbiological risk of bacterial pathogens in raw produce and minimally processed packaged salads produced in and for the Netherlands**
Lucas Wijnands, National Institute for Public Health and the Environment, Netherlands

15:00-15:20 **Title: Influence of diazotrophic bacteria on growth and biomass production of sugarcane *in vitro***
A R M Solaiman, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh

Workshop @ 15:20-18:30

Title: Applied genomics approaches for understanding pathogenic and beneficial microbes from farm to fork

Maria Hoffmann, Center for Food Safety and Applied Nutrition, USA

Title: Beneficial phytobiota in agricultural microbiomes

Andrea Ottesen, Center for Food Safety and Applied Nutrition, USA

Panel Discussion

Networking & Refreshment Break 16:15-16:30 @ Alcove 1

Title: Foodborne pathogen detection and bacterial community profiling of surface and nontraditional irrigation water sources in the Mid-Atlantic: A CONSERVE study

Sarah Allard, CONSERVE, USA

Title: Salmonella, Tomatoes and the delmarva peninsula

Rebecca Bell, Center for Food Safety and Applied Nutrition, USA

Title: Discovery of Naturally-occurring broad-spectrum cyclic antibiotics from *Paenibacillus alvei*

Jie Zheng, Food and Drug Administration, USA

Title: Whole genome and core genome analyses of *Listeria monocytogenes* associated with recent outbreaks

Yi Chen, Center for Food Safety and Applied Nutrition, USA

Panel Discussion

Day 2 October 17, 2017

Conference Hall - Greenspring II

Keynote Forum

09:30-10:05 **Title: Beneficial probiotic yeast *S. boulardii* - Towards a mechanistic understanding**
Margret More, Biocodex SA, France

10:05-10:40 **Title: Cell wall stress response in *Pseudomonas aeruginosa:* Involvement of the ECF sigma factor SigX**
Sylvie Chevalier, University of Rouen, France

10:40-11:15 **Title: Imbalances in the oral mucosal microbiota associated with oral mucosal diseases**
Youngnim Choi, Seoul National University School of Dentistry, Korea

Panel Discussion

Networking & Refreshment Break 11:15-11:30 @ Alcove 1

11:30-12:05 **Title: Lyse-It - A rapid 30 second transformational lysing and DNA fragmentation technology**
Chris D. Geddes, Director of the Institute of Fluorescence, USA

Group Photo

Sessions: Industrial Microbiology & Food Microbiology | Environmental Microbes | Microbial Antibiotics | Pathogenic Microbes | Microbes in Aqua

Session Chair: Chris D Geddes, Director of the Institute of Fluorescence, USA

Session Introduction

12:05-12:25 **Title: Chronic wound intervention with contour-fitting probiotic gauze: Re-establishing the benefical microbial library within**
John Thomas, International Educator and Global Microbiologist, USA

12:25-12:45 **Tittle: High density polyethylene and polylactide biodegradation by microorganisms – preliminary studies**
Anna Kowalczyk, Jagiellonian University, Poland

12:45-13:05	**Title: Bacterial glycosyltransferases that inhibit innate immunity** **Philip Hardwidge**, Kansas State University, USA
Panel Discussion	
Lunch Break 13:05-14:05 @ Atrium Upper	
14:05-14:25	**Title: Synergistic activity between echinophora platyloba DC ethanolic extract and azole drugs againstclinical isolates of candida albicans from women suffering chronic recurrent vaginitis** **Majid Avijgan**, Isfahan University o Medical Sciences, Iran
14:25-14:45	**Title: Biochemical and molecular activities of *Candida albicans* treated with medicinal plants** **Awatif Al-Judaibi**, King Abdulaziz University, KSA
14:45-15:05	**Title: Probiotics for photoprotection** **Audrey GUENICHE**, L'OREAL Research & Innovation, France
Poster Presentations @ 15:05-16:05	
PS 01	**Title: Identification and characterization of alternative antimicrobials against *Gardnerella vaginali*** **Megan Ross**, Laurentian University, Canada
PS 02	**Title: Galectin-9 as a potential biomarker of immune reconstitution inflammatory syndrome in HIV+ patients who begin antiretroviral therapy** **Lucero Ramon-Luing**, National Institute of Respiratory Diseases Ismael Cosio Villegas, Mexico
PS 03	**Tittle: Rapid Microwave-Based Lysing and PCR Detection of Listeria monocytogenes and Vibrio cholerae** **Tonya Santaus**, UMBC, IoF, USA
Panel Discussion	
Networking & Refreshment Break 16:05-16:20 @ Alcove 1	
Young Researchers Forum	
16:20-16:35	**Title: Benefits of ammonium fertilization for plant-PGPM interactions** **I K Mpanga**, Universität Hohenheim, Germany
16:35-16:50	**Title: Expeditious modus operandi to procure commingled single cell protein and its uses in intractable diseases** **Bharat Kwatra**, St. Mark's School, India
16:50-17:05	**Title: Animal farming in south africa: Antibiotics use and antibiotic resistance** **Christy Echakachi Manyi-Loh**, University of Fort Hare, South Africa
17:05-17:20	**Title: Low temperature extends lifespan of pine wood nematode (*Bursaphelenchus xylophilus*) through cGMP pathway** **Wang Bowen**, Northeast Forestry University School of Forest, China
17:20-17:35	**Title: Laboratory analysis of antimicrobial properties of honey** **Lucy Mong'Ina Iteba**, University of Nairobi, School of Biological Sciences, Kenya
Panel Discussion	
Award Cermony & Closing Ceremony	