Scientific Program

3rd International Conference on
Applied Microbiology and Beneficial Microbes
June 06-07, 2018 Osaka, Japan

Hosting Organization: Conference Series llc LTD
47 Churchfield road, London W3 6AY, +1-650-889-4686
Email: appliedmicrobes@microbiologyconferences.org
Day 1 June 06, 2018

Tatsuta

Keynote Forum

09:55-10:00 Introduction
Title: *Dictyostelium discoideum*: A model organism for G protein coupled receptor-mediated chemotaxis in human diseases
Xuehua Xu, National Institute of Allergy and Infectious Diseases-National Institutes of Health, USA

10:00-10:35 Title: Biotransformation of extraterrestrial and terrestrial metal-bearing materials
Tetyana Milojevic, University of Vienna, Austria

Networking & Refreshment Break: 11:10-11:30 @ Foyer

11:30-12:05 Title: How eukaryotic phagocytes locate and interact with microorganisms: Lessons from the social amoeba *Dictyostelium discoideum*
Tian Jin, National Institute of Allergy and Infectious Diseases-National Institutes of Health, USA

12:05-12:40 Title: Applied Microbes: The good, the bad and the fastidious
Wolfram Brueck, University of Applied Sciences Western Switzerland, Switzerland

12:40-13:15 Title: Defining natural species of bacteria by a common yardstick: Universal genomic parameter to delineate bacteria into discrete phylogenetic clusters
Shu-Lin Liu, Harbin Medical University, China

Group Photo

Lunch Break: 13:15-14:15 @ The Cafe Restaurant

Session: Microbiology | Trends in Cellular Microbiology and Generation Microbiology | Microbial Genomics and Molecular Microbiology | Microbial Pathogenesis | Agricultural Microbiology

Session Chair: Huidi Liu, Harbin Medical University, China
Session Co-Chair: Nurfadzilah Madian, Malaysian Cocoa Board, Malaysia

14:15-14:45 Title: Oncolytic virotherapy for clear cell ovarian carcinoma: A potential treatment strategy
Huidi Liu, Harbin Medical University, China

14:45-15:15 Title: Genetic boundary to delineate bacteria into discrete natural clusters
Le Tang, Harbin Medical University, China

15:15-15:45 Title: Utilization of selected beneficial bacteria incorporated with carrier materials on growth response of (*Theobroma cacao* L.) cocoa seedlings
Nurfadzilah Madian, Malaysian Cocoa Board, Malaysia

Networking & Refreshment Break: 15:45-16:05 @ Foyer

16:05-16:35 Title: END and ENL inhibit the proliferation, migration and invasiveness of ovarian cancer
Zheng Zeng, Harbin Medical University, China

Panel Discussion

Day 2 June 07, 2018

Tatsuta

Keynote Forum

10:00-10:35 Title: Breadmaking potential of wheat flour enriched with mealworms (*Tenebrio molitor* L.) started with sourdough and baker’s yeast
Andrea Osimani, Università Politecnica delle Marche, Italy

10:35-11:10 Title: Awakening of *Streptomyces*: Novel insights into germination of bacterial arthrospores
Jan Bobek, Charles University, Czech Republic
Title: Microbiota and key technological features of naturally fermented *Crithmum maritimum* sprouts  
Lucia Aquilanti, Universita’ Politecnica delle Marche, Italy

Title: Study of refinement of groundwaters of viral contaminants using clay column in a laboratory model  
Maryam Esghaei, Iran University of Medical Sciences, Iran

Title: Benefits of cultural exposure and development of Korean perspective: Kimchi and fermentation products  
Min-Kyu Kwak, Sungkyul University, South Korea

Session:  
Applied Microbiology and Environmental Microbiology | Advancements in Food and Industrial Microbiology | Veterinary Microbiology | Biotechnology and Biochemistry | Microbial Biofilms | Forensic Microbiology

Video Presentation

Title: The plant microbiome: Key to sustainable food production, forestry, bioenergy and reduction of environmental pollutants  
Sharon Lafferty Doty, University of Washington, USA

Title: A quasi-steady-state approximation to the basic target-cell-limited viral dynamics model with a non-cytopathic effect  
Richard Cangelosi, Gonzaga University, USA

Posters @ 16:35-17:05

AM-001 Title: Type IV pili is involved in the pathogenesis of *Clostridium difficile* in vivo  
I-Hsiu Huang, National Cheng Kung University, Taiwan

AM-002 Title: A novel phosphotransferase system enzyme-IIA homologue inhibits 1, 3-propanediol production through binding to glycerol kinase in *Klebsiella pneumoniae*  
Novaria Sari Dewi Panjaitan, Tzu-Chi University, Taiwan

AM-003 Title: The study of cAMP receptor protein regulated type-3 fimbriae in *Klebsiella pneumoniae*  
Shih-Wen Cheng, Tzu-Chi University, Taiwan

AM-004 Title: Microbial analysis of red pepper and red pepper cultivated soil in Korea  
Kyu Seok Jung, National Institute of Agricultural Science, South Korea

AM-005 Title: Rapid detection and concentration of human norovirus through lectins  
Ka Young Son and Yeo Reum Park, Chonbuk National University, South Korea

AM-006 Title: Grayscale measurements of microbial colonies  
Enric Maroto Fernandez, Autonomous University of Barcelona, Spain

Panel Discussion

Awards & Closing Ceremony