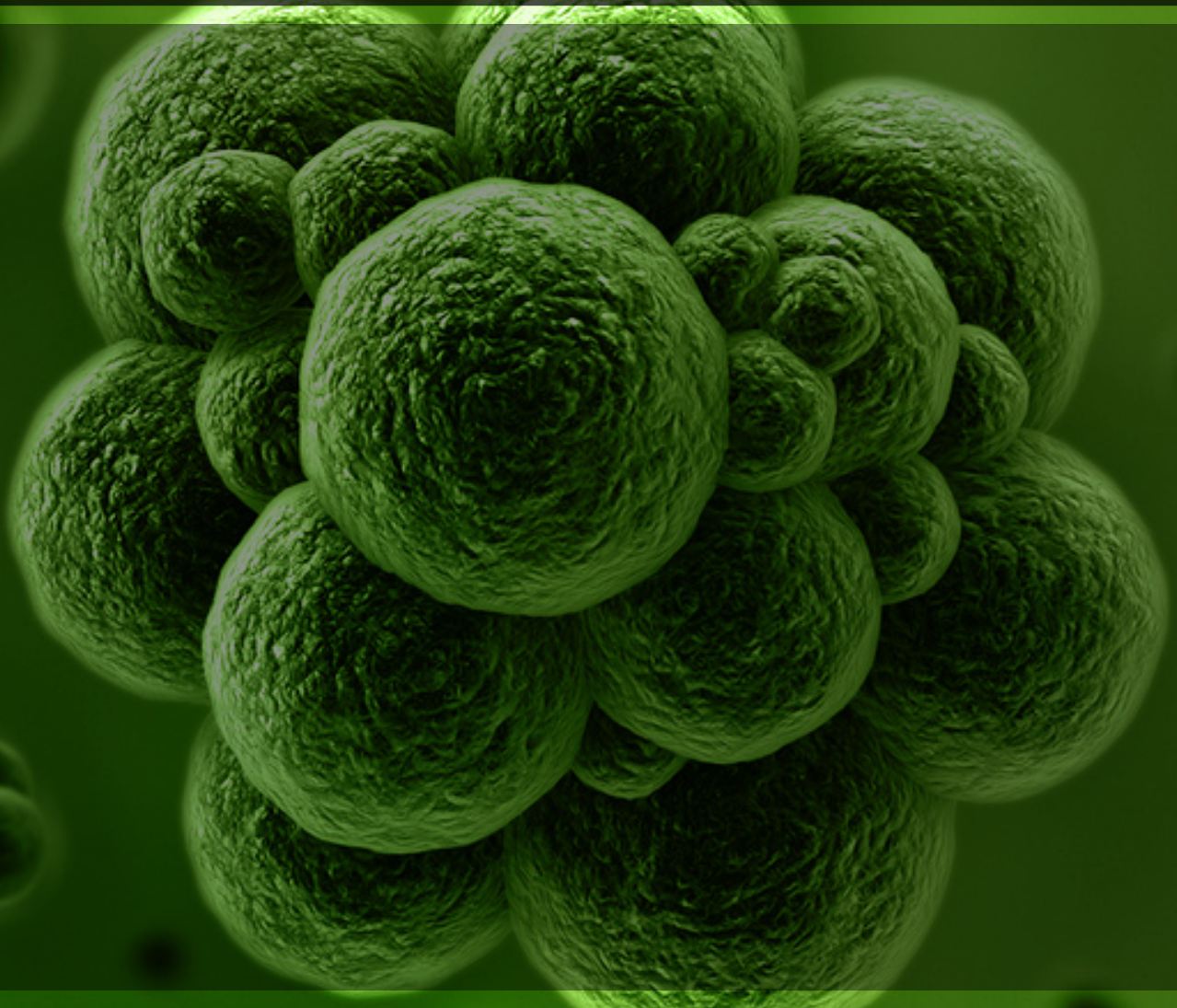


3<sup>rd</sup> International Conference on  
**Applied Microbiology and  
Beneficial Microbes**

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](mailto:appliedmicrobes@microbiologyconferences.org)

## Day 1 June 06, 2018

08:30-09:30 Registrations

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09:30-09:55

## Opening Ceremony

### Keynote Forum

09:55-10:00 Introduction

10:00-10:35 **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

10:35-11:10 **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 Introduction

**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

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### 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

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

- 11:30-12:05 **Title: Microbiota and key technological features of naturally fermented *Crithmum maritimum* sprouts**  
Lucia Aquilanti, Universita' Politecnica delle Marche, Italy
- 12:05-12:40 **Title: Study of refinement of groundwaters of viral contaminants using clay column in a laboratory model**  
Maryam Esghaei, Iran University of Medical Sciences, Iran
- 12:40-13:15 **Title: Benefits of cultural exposure and development of Korean perspective: Kimchi and fermentation products**  
Min-Kyu Kwak, Sungkyul University, South Korea

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

#### Session:

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

Session Introduction

**Session Chair: Takehiko Tsuruta**, Hachinohe institute of Technology, Japan

**Session Co-Chair: Nasreen S Munshi**, Nirma University, India

- 14:15-14:45 **Title: On the application of DNA pyrosequencing in pathogenomics and food safety**  
Shabarinath Srikumar, University College Dublin, Ireland
- 14:45-15:15 **Title: Removal, separation and removal of cesium, cobalt and strontium from the mixed solution using microbial cells**  
Takehiko Tsuruta, Hachinohe institute of Technology, Japan
- 15:15-15:45 **Title: Bioremediation of aromatic hydrocarbon pollutants by the most abundant bacterial strain (*Pseudomonas citronellolis*) in industrial wastewater**  
Nasreen S Munshi, Nirma University, India

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

#### Video Presentation

- 16:05-16:35 **Title: The plant microbiome: Key to sustainable food production, forestry, bioenergy and reduction of environmental pollutants**  
Sharon Lafferty Doty, University of Washington, USA
- 16:35-17:05 **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