Scientific Program

2nd International Conference on
Applied Microbiology and Beneficial Microbes
October 23-25, 2017 Osaka, Japan
## Keynote Forum

### 09:55-10:00
**Introduction**

### 10:00 -10:45
**Title: Non-Small Cell Lung (NSCL) cancer search for biomarkers from body fluids to microarrays**

Guilio Tarro, Foundation T. & L. de Beaumont Bonelli for Cancer Research, Italy

### Group Photo

**Networking & Refreshments Break 10:45-11:05 @ Crystal**

### 11:05 -11:50
**Title: Beneficial microorganisms improving yield quality of horticultural crops and soil fertility**

Lidia Sas Paszt, Research Institute of Horticulture, Poland

**Title: Improved testing for the pathogenic fungi Aspergillus fumigatus**

Ceri L Gwyther, Open University, UK

### Sessions:
- Applied Microbiology
- Industrial Microbiology
- Veterinary Microbiology

### Session Introduction

**Session Chair:** Giulio Tarro, Foundation T. & L. de Beaumont Bonelli for Cancer Research, Italy  
**Session Co-Chair:** Ceri L Gwyther, Open University, UK

### 12:35 -13:05
**Title: The cancer chemo-preventive potential of novel Streptomyces strains derived from mangrove forest in Malaysia**

Learn-Han Lee, Monash University, Malaysia

**Lunch Break 13:05-13:50 @ 3F Regency A**

### 13:50 -14:20
**Title: Comparative assessment of β-lactamases produced by multidrug resistant bacteria**

Juhee Ahn, Kangwon National University, Republic of Korea

**Title: The effect of RpoN on swarming in uropathogenic Proteus mirabilis**

Shwu-Jen Liaw, National Taiwan University, Taiwan

### 14:20 -14:50
**Title: Partitioning and purification of carboxymethyl cellulase from in aqueous biphasic system extraction**

Muinat O Kazeem, UPM, Malaysia

**Title: Virological and clinical characteristics and viral shedding of children with norovirus gastroenteritis**

Shih-Yen Chen, Chang Gung University, Taiwan

**Networking & Refreshments Break 15:50-16:10 @ Crystal**

### 16:10 -16:40
**Title: Prevention of F18+ Escherichia coli infection in weaning pigs using polyvalent receptor analogues**

Nguyen VU, Ghent University, Belgium

**Title: Control rather than eradication of pathogenic bacteria: Quorum sensing of Vibrio vulnificus**

Song Ho Choi, Seoul National University, Republic of Korea

**Title: Genetic context novel NDM-5 producing E. coli (ST405 and ST648) and K. pneumoniae (ST11 and ST147) clinically isolated from different hospitals, Pakistan**

Muhammad Usman Qamar, University of Health Science Lahore, Pakistan

**Title: Role of proteinase-inhibitory system in the pathogenesis of flu**

V A Divocha, SE Ukrainian Research Institute for Medicine of Transport, Ukraine

### Panel Discussions

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## Keynote Forum

### 09:30 -10:15
**Title: One health approaches to zoonotic diseases: MERS, HPAI and AMR**

Yong Ho Park, Seoul National University, Republic of Korea
Title: Exploiting microbial sources to deliver novel bioactive natural products
Olga Genilloud, Fundacion Medina, Spain

Networking & Refreshments Break 11:00-11:20 @ Crystal

Title: Exploitation of Enterobacter spp. in microbial degradation of acrylamide: An environmental bioremediation approach
Maulin P Shah, Enviro Technology Limited, India

Symposium on

Title: An extremely excellent anti-hiv active modified nucleoside, EFdA focused on its design
Hiroyoshi Ohrui, Yokohama University of Pharmacy, Japan

Lunch Break 13:05-13:50 @ 3F Regency A

Sessions:
Molecular Microbiology | Cellular Microbiology | Antibiotics and Chemotherapy
Clinical and Diagnostic Microbiology | Food and Beverage Microbiology

Session Introduction

Session Chair: Yong Ho Park, Seoul National University, Republic of Korea
Session Co-Chair: Ceri L Gwyther, Open University, UK

13:50 -14:20
Title: Rapid detection of emerging infectious diseases using real-time colorimetric Transcriptional Loop-mediated Isothermal Amplification (RT-LAMP)
Min-Suk Song, Chungbuk National University, Republic of Korea

14:20 -14:50
Title: Endoplasmic reticulum stress-induced calreticulin suppresses the growth of mycobacteria in macrophages
Chang-Hwa Song, Chungnam National University, Republic of Korea

14:50 -15:20
Title: Double Rolling Circle Replication (DRCR): A mode of amplification of oncogene as well as drug-resistant genes and replication of HSV and chloroplast DNA
Takashi Horiuchi, Tokai University, Japan

Networking & Refreshments Break 15:20 -15:40 @ Crystal

15:40 -16:10
Title: Investigating the effect of Arbuscular Mycorrhizal Fungi (Glomus etunicatum) and air pollutants on growth parameters of Maize (Zea mays L.)
Mobina Jamali, Tehran Educational Organization, Iran

16:10 -16:40
Title: Microbial solubilization of metals from electronic waste (E-waste)
A M Deshmukh, President Microbiology Society, India

Poster Presentations

AM01
Title: Isolation of a bacteriophage specific for KN1 Klebsiella pneumoniae and characterization of its capsid depolymerase
Yi-Jiun Pan, China Medical University, Taiwan

AM02
Title: Significant intestinal microbiota differences in biliary atresia infants with distinct clinical outcome
Hsin-Yeh Lin, Chang Gung Memorial Hospital, Taiwan

AM03
Title: Role of stringent control in the pathogenesis of enteropathogenic Escherichia coli and its macrophage response
Jang Won, Kangwon National University, Republic of Korea

AM04
Title: Molecular characterization of bacteriophages specific for antibiotic-resistant Salmonella typhimurium
Juhee Ahn, Kangwon National University, Republic of Korea

AM05
Title: The antibiotic polymyxin B exhibits novel antifungal activity against Fusarium species infecting humans and plants
Ying-Lien Chen, National Taiwan University, Taiwan

AM06
Title: Chromosomal aneuploidy improves brewing characteristics of sake yeast
Yuki Fujimaru, Saga University, Japan

AM07
Title: Role of host defense peptide resistance in host-specific adaptation of methicillin-resistant Staphylococcus aureus
Soo-Jin Yang, Chung Ang University, Republic of Korea

AM08
Title: Safety and immune-boosting effect by cytokine expression of Lactobacillus johnsonii, isolated from mouse intestine
Dongjun Kim, Sungkyunkwan University, Republic of Korea
Title: Molecular biological analysis of 3D8 VL, a nucleic acid hydrolyzing recombinant antibody derivative
Yongjun Lee, Sungkyunkwan University, Republic of Korea

Title: Probiotic lactic acid bacteria as a potential antioxidant agent for control fumonisin b1-induced hepatotoxicity and nephrotoxicity in rats
Amira A Abdellatef, City for Scientific Research, Egypt

Title: Distinct methanotrophs modulate soil methane oxidation in cold-temperate rice fields
Nasrin Sultana, Chinese Academy of Sciences, China

Title: Simple and highly rapid molecular diagnosis of SFTS virus using Reverse Transcriptional Loop-Mediated Isothermal Amplification (RT-LAMP)
Yunhee Baek, Chungbuk National University, Republic of Korea

Title: Prevalence and antimicrobial susceptibility of Acinetobacter baumannii in raw milk in Korea
Cheong Ung Kim, Seoul National University, Republic of Korea

Title: The availability of using deep-seawater as an alternative of curing solution in processing meat products
Jae Hee Kim, Seoul National University, Republic of Korea

Title: Comparison of antimicrobial resistance and multilocus sequence types between methicillin-resistant Staphylococcus pseudintermedius and methicillin-susceptible Staphylococcus pseudintermedius isolated from dogs in veterinary hospitals in Korea
Chan-Hee Lee, Seoul National University, Republic of Korea

Title: Genetic diversity of Tuf gene in phytoplasmas associated with grape decline in Iran
Maryam Ghayeb Zamharir, Agricultural Research, Education & Extension, Iran

Title: Molecular properties of phytoplasma associate with Acacia yellows in Iran
Shahrokh Panahi, Agricultural and natural sources research organization of Tehran Province, Iran

Title: Phenotypic and genotypic correlates of reduced vancomycin susceptibility in vancomycin-intermediate methicillin-Resistant Staphylococcus aureus
Gi-Yong Lee, Chung-Ang University, Republic of Korea

Awards and Closing Ceremony
Panel Discussions

Day 3 October 25, 2017
B2B Meetings and Networking Lunch: 12:30-13:30 @ 3F Regency A

Next in Series
3rd International Conference on
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October 15-16, 2018  Osaka, Japan

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