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

300+ Participation (70 Industry: 30 Academia)
12+ Interactive Sessions
5+ Keynote Lectures
50+ Plenary Lectures
3+ Workshops
10+ Exhibitors
B2B Meetings
Dear Colleagues,

This conference is an international event that focuses on the acuteness of microbiology and its emerging diseases, techniques and fundamental importance of research aimed at uncovering its agents places the theme “Scoping out Innovative research in Applied Microbiology & Future Trends of Beneficial Microbes” among the most interesting and urgent problems in the field of medical science today.

It is therefore an honor for me and a great privilege to speak about the commitment of the Innovative Research in the International Congress entitled “Applied Microbiology and Beneficial Microbes”. Furthermore, the group wishes to extend this commitment into the future: it is their intention to continue these conferences in the next years. The topics to be selected shall cover a wide range and encompass the most up-to-date information on the multifactorial events which lead to potential pandemics in the world.

With best wishes,

Guilio Tarro
President
Foundation T. & L. de Beaumont Bonelli for cancer research
Italy
**Keynote Speakers**

- **Guilio Tarro**
  President
  Foundation T. & L. de Beaumont Bonelli for cancer research, Italy

- **Olga Genilloud**
  Scientific Director
  Medina Foundation
  Spain

- **Junie Lia Monica**
  Head of Microbiology department
  University of Medicine and Pharmacy, Romania

- **Yong Ho Park**
  Commissioner
  Korea BioMAX Institute
  Korea

- **Isaac K O Cann**
  Professor
  University of Illinois
  United States

- **Konstantinos Kormas**
  Professor
  University of Thessaly
  Greece

- **Sevgi Ciftci**
  Associate Professor
  Istanbul University
  Turkey

- **Nikos E Mavroudis**
  Programme Leader
  Northumbria University
  United Kingdom

**Organizing Committee Members**

- **Guilio Tarro**
  President
  Foundation T. & L. de Beaumont Bonelli for cancer research, Italy

- **Marika Carmela Orlando**
  President
  International association of Wine Fashion Europe, Italy

- **Arvind Madhavrao Deshmukh**
  President
  Microbiology Society of India
  India

- **Junie Lia Monica**
  Head of Microbiology department
  University of Medicine and Pharmacy, Romania

- **Isaac K O Cann**
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  Associate Professor
  Istanbul University
  Turkey

- **Nikos E Mavroudis**
  Programme Leader
  Northumbria University
  United Kingdom

- **Horng-Dar Wang**
  Professor and the Director
  Institute of Biotechnology
  Taiwan

- **Maulin P Shah**
  Chief Scientist & Head-Industrial Waste Water Research Lab
  Enviro Technology Ltd., India

- **Yong Ho Park**
  Commissioner
  Korea BioMAX Institute
  Korea

- **Olga Genilloud**
  Scientific Director
  Medina Foundation
  Spain
### October 23, 2017 Monday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30-09:30</td>
<td>Registrations</td>
</tr>
<tr>
<td>09:30-11:00</td>
<td>Keynote Forum</td>
</tr>
<tr>
<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
</tr>
<tr>
<td>11:45-12:20</td>
<td>Microbiology</td>
</tr>
<tr>
<td>12:20-13:00</td>
<td>Medical &amp; public health microbiology</td>
</tr>
<tr>
<td>13:00-13:45</td>
<td>Lunch Break**</td>
</tr>
<tr>
<td>13:45-16:00</td>
<td>Industrial microbiology</td>
</tr>
<tr>
<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
</tr>
<tr>
<td>16:15-18:00</td>
<td>Microbial biochemistry</td>
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</tbody>
</table>

**Day Concludes**

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### October 24, 2017 Tuesday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:30</td>
<td>Registrations</td>
</tr>
<tr>
<td>09:30-10:30</td>
<td>Keynote Forum</td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>Agricultural microbiology</td>
</tr>
<tr>
<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
</tr>
<tr>
<td>11:45-12:20</td>
<td>Water microbiology</td>
</tr>
<tr>
<td>12:20-13:00</td>
<td>Biofuels and Petroleum microbiology</td>
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<tr>
<td>13:00-13:45</td>
<td>Lunch Break**</td>
</tr>
<tr>
<td>13:45-16:00</td>
<td>Antibiotics and Chemotherapy</td>
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<tr>
<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
</tr>
<tr>
<td>16:15-18:00</td>
<td>Workshop</td>
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</tbody>
</table>

**Day Concludes**

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### October 25, 2017 Wednesday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:30-10:30</td>
<td>Microbial ecology</td>
</tr>
<tr>
<td>10:30-11:30</td>
<td>Genetic engineering</td>
</tr>
<tr>
<td>11:30-11:45</td>
<td>Network &amp; Refreshments Break*</td>
</tr>
<tr>
<td>11:45-12:20</td>
<td>Molecular microbiology</td>
</tr>
<tr>
<td>12:20-13:00</td>
<td>Soil microbiology and nutrient cycling</td>
</tr>
<tr>
<td>13:00-13:45</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>13:45-16:00</td>
<td>Special sessions</td>
</tr>
<tr>
<td>16:00-16:15</td>
<td>Network &amp; Refreshments Break*</td>
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<tr>
<td>16:15-17:00</td>
<td>Award Ceremony</td>
</tr>
</tbody>
</table>

**Conference Concludes**

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* Exclusive Exhibitor Event | ** Networking Event

Note: Conference schedule is subject to change.

Note: Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal.
<table>
<thead>
<tr>
<th>Title</th>
<th>Author/Institution</th>
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<tbody>
<tr>
<td>Potassium iodide potentiates antimicrobial photodynamic inactivation mediated by Rose Bengal: in vitro and in vivo studies</td>
<td>Ahmed ElHussein, Massachusetts General Hospital, USA</td>
</tr>
<tr>
<td>Improved testing for the pathogenic fungi Aspergillus fumigatus</td>
<td>Ceri L. Gwyther, Open University, UK</td>
</tr>
<tr>
<td>Prevention of FIB- Escherichia coli infection in weaning pigs using polyvalent receptor analogues</td>
<td>Nguyen V U, Ghent University, Belgium</td>
</tr>
<tr>
<td>Non-small cell lung (NSCL) cancer search for biomarkers from body fluids to microarrays</td>
<td>Giulio Tarro, President Foundation T &amp; L de Beaumont Bonelli for cancer research, Italy</td>
</tr>
<tr>
<td>Exploiting microbial sources to deliver novel bioactive natural products</td>
<td>Olga Genilloud Fundacion Msdina, Spain</td>
</tr>
<tr>
<td>Investigating the role of histone acetylation in the regulation of flocculation in Saccharomyces cerevisiae</td>
<td>Lidia Sas Paszt, Research Institute of Horticulture, Poland</td>
</tr>
<tr>
<td>Investigating the role of histone acetylation in the regulation of flocculation in Saccharomyces cerevisiae</td>
<td>Alastair Fleming, Trinity College Dublin, Ireland</td>
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<tr>
<td>An Extremely Excellent Anti-HIV Active Modified Nucleoside, EFdA Focused on its Design</td>
<td>Hiroshi Ohrui, Yokohama University of Pharmacy, Japan</td>
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<tr>
<td>Probiotic Lactic Acid Bacteria as a Potential Antioxidant Agent for Control Fumonisin B1-Induced Hepatotoxicity and Nephrotoxicity in Rats</td>
<td>Amira A Abdellatif, City for Scientific Research, Egypt</td>
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<tr>
<td>Isolation and characterization of two bacteriophages infecting a strain of Kosakonia sacchari causing potato soft rot disease</td>
<td>Abd Elhafiez E, Cairo University, Egypt</td>
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<td>Bacteria species incriminated in gastroenteritis in benin nigeria</td>
<td>Oronsaye F E, University of Benin, Nigeria</td>
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<tr>
<td>A preliminary investigations of novel putative non-stereo specific dehalogenase producing bacteria from Antarctic Psychrotropic Bacillus sp. Ih1</td>
<td>Ismail Haruna, Bauchi State University Gadau, Nigeria</td>
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<td>BK virus infection and risk factors in vietnamese renal transplant recipients</td>
<td>Vu Thi My Hanh, Hanoi Medical University, Vietnam</td>
</tr>
<tr>
<td>Control rather than eradication of pathogenic bacteria: Quorum sensing of Vibrio vulnificus</td>
<td>Sang Ho Choi, Seoul national university, Seoul</td>
</tr>
<tr>
<td>Endoplasmic reticulum stress-induced Calreticulin suppresses the growth of mycobacteria in macrophages</td>
<td>Chang-Hwa Song, Chungnam National University, Republic of Korea</td>
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</tbody>
</table>
Title: Comparative assessment of β-lactamases produced by multidrug resistant bacteria
Juhee Ahn, Kangwon National University, Republic of Korea

Title: One health approaches to zoonotic diseases: MERS, HPAI and AMR
Yong Ho Park, Seoul National University, South Korea

Title: Virological and Clinical Characteristics and Viral Shedding of Children with Norovirus Gastroenteritis
Shih-Yen Chen, Chang Gung University, Taiwan

Title: The cancer chemopreventive potential of novel Streptomyces strains derived from mangrove forest in Malaysia
Learn-Han Lee, Monash University, Malaysia

Title: Meyerozyme guilliermondii: An alternative yeast for recombinant protein production
Siti Nurbaya Oslan, University Putra Malaysia, Malaysia

Title: Effect of different nitrogen source combinations on microbial cellulose production by Pseudomonas aeruginosa in batch fermentation
Azila Adnan, Universiti Malaysia Terengganu, Malaysia

Title: Molecular insights into pore formation and target specificity of mosquito-active toxins from Bacillus thuringiensis
Chanan Angsuthanasombat, Mahidol University, Thailand

Title: Microbial solubilization of metals from electronic waste (E-waste)
A.M. Deshmukh, B. A. M. University, India

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

Title: Transition metal complexes/organometallic compounds as anticancer/anti HIV drugs or in pharmaceutical industry
Prakash Kinthada, Sri Vidyaniyakhan Engineering college, India

Title: A study of the interaction mechanism of GTP with CodY of Bacillus anthracis
Shikha Joon, Jawaharlal Nehru University, India

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: Defeating nosocomial infection from the hospitals
Kazi Mahdi Hasan, Noakhali Science & Technology University, Bangladesh

Title: Human Immuno-Deficiency Virus Co-Infection with Hepatitis B Virus and Baseline Cd4+ T Cell Count among Patients Attending a Tertiary Care Hospital, Nepal
Soma Kanta Baral, Tribhuvan University, Nepal

Title: Investigating the effect of Arbuscular Mycorrhiza Fungi (Glomus etonicatum) and air pollutants on growth parameters of Maize (Zea mays L.)
Mobina Jamali, Tehran Educational Organization, Iran

Title: Molecular evaluation of topoisomerases IV (parC, parE), gyrA, qnrA, qnrB and aac(6')-lb-cr genes among ciprofloxacin resistant E.coli isolates from UTI
Mojdeh Hakemi Vala, Shahid Beheshti University, Iran

Title: Flu pathogenesis proteolytic theory and its role in the improvement of flu's treatment
V A Divocha, SE Ukrainian Research Institute for Medicine of Transport, Ukraine
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
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<tr>
<td>Evaluating a novel rapid microbe detection (RMD) technique based on formation of aggregates</td>
<td>Clifton Randell, U.S. Food and Drug Administration, USA</td>
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<td>Simple and highly rapid molecular diagnosis of SFTS virus using Reverse Transcriptional Loop-Mediated Isothermal Amplification (RT-LAMP)</td>
<td>Yun Hee Baek, Chungbuk National University, South Korea.</td>
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<td>Chromosomal aneuploidy improves brewing characteristics of sake yeast</td>
<td>Yuki Fujimaru, Saga University, Japan</td>
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<td>Role of host defense peptide resistance in host-specific adaptation of methicillin-resistant Staphylococcus aureus</td>
<td>Soo-Jin Yang, Chung Ang University, Korea</td>
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<td>Safety and Immune-Boosting Effect by Cytokine Expression of Lactobacillus Johnsonii, Isolated from Mouse Intestine</td>
<td>Dongjun Kim, Sungkyunkwan University, Korea</td>
</tr>
<tr>
<td>Molecular biological analysis of 3D8 VL, a nucleic acid hydrolyzing recombinant antibody derivative</td>
<td>Yongjun Lee, Sungkyunkwan University, Korea</td>
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<tr>
<td>Isolation and identification of styrene degrading bacteria from irisan dumpsite, Baguio city</td>
<td>Deoxier Ribo C. Agub, University of the Philippines, Philippines</td>
</tr>
<tr>
<td>Antihypertensive Peptides in Whey and Soy Proteins Fermented by Lactic Acid Bacteria</td>
<td>Eric Banan-Mwine Daliri, Kangwon National University, South Korea</td>
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<tr>
<td>Isolation of a bacteriophage specific for KNI Klebsiella pneumoniae and characterization of its capsule depolymerase</td>
<td>Yi-Jiun Pan, China Medical University, Taiwan</td>
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<tr>
<td>Significant Intestinal Microbiota Differences in Biliary Atresia Infants with Distinct Clinical Outcome</td>
<td>Hsin-Yeh Lin, Chang Gung Memorial Hospital, Taiwan</td>
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<tr>
<td>Role of stringent control in the pathogenesis of enteropathogenic Escherichia coli and its macrophage response</td>
<td>Jang Won, Kangwon National University, South Korea</td>
</tr>
<tr>
<td>Molecular characterization of bacteriophages specific for antibiotic-resistant Salmonella Typhimurium</td>
<td>Juhee Ahn, Kangwon National University, Republic of Korea</td>
</tr>
<tr>
<td>The antitiotic polymyxin B exhibits novel antifungal activity against Fusarium species infecting humans and plants</td>
<td>Ying-Lien Chen, National Taiwan University, Taiwan</td>
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<tr>
<td>The effect of RpoN on swarming in uropathogenic Proteus mirabilis</td>
<td>Shwu-Jen Liaw, National Taiwan University, Taiwan</td>
</tr>
<tr>
<td>Distinct methanotrophs modulate soil methane oxidation in cold-temperate rice fields</td>
<td>Nasrin Sultana, Chinese Academy of Sciences, China</td>
</tr>
<tr>
<td>Variability of Bacillus thuringiensis Mexican strains by ERIC-PCR and Biofilm Formation</td>
<td>Patricia Gómez de León, National Autonomous University of Mexico, Mexico</td>
</tr>
</tbody>
</table>
Title: Isolation and characterization of extremophile probiotic yeast, gram positive and gram negative bacteria from frozen fermented idli batter
Ramachandran Chelliah, Kangwon National University, South Korea

Title: Surveillances of Avian influenza and New castle disease in the rift valley areas of Eastern zone in Ethiopia
Redeat Belaineh, National Animal Health Diagnostic and Investigation Center, Ethiopia

Title: The use of marine psychrophile, Psychrobacter maritimus S, as a feed additive for Nile tilapia (Oreochromis niloticus) fingerlings
Sarah O. Makled, Alexandria University, Egypt

Title: Matured biofilm degradation of MDR Acinetobacter baumanii by the tail fiber of phage AB6
Md Shahed-Al-Mahmud, Tzu Chi University, Taiwan

Microbial quality of community drinking water supplies: A ten year (2004–2014) analyses in west Amhara, Ethiopia
Derese Hailu, Bahir Dar Regional Health Research Laboratory Center, Ethiopia

Title: Confirmatory Assays for Detection of Neisseria Gonorrhoeae using porA pseudogene Real-Time PCR Base Methods
Imarenezor, E. P. K. Federal University Wukari, Nigeria

Title: Molecular properties of phytoplasma associate with acacia yellows in Iran
Shahrokh Panahi, Landscape engineering division, Iran

Title: Human Immuno-Deficiency Virus Co-Infection with Hepatitis B Virus and Baseline CD4+ T Cell Count among Patients Attending a Tertiary Care Hospital, Nepal
Soma Kanta Baral, Tribhuvan University, Nepal

Title: Bioprocessing of botanicals for active ingredient isolation through enzymatic route
Geethu Gopinath. K, India

Title: Genetic diversity of Tuf gene in phytoplasmas associated with grape decline in Iran.
Maryam Ghayeb Zamharir, Iranian research institute of plant protection, AREEO, Iran.

Molecular Detection Of Helicobacter Pylori Among Gastroduodenitis And Peptic Ulcer Patients In Khartoum State
Abbas Bakhit Mohammed Rahama, Alneelain University, Sudan

Title: Rhizopine mosBC genes homologue arrangement in rhizobium leguminosarum bv. Viciae strain 1A
Owuama, Adama University of Technology, Nigeria

***Speaker and Poster Opportunities Available***

www.appliedmicrobiology.conferenceseries.com
Conference series Ltd hosts the prestigious “2nd International Conference on Applied Microbiology and Beneficial Microbes” which will be held during October 23-25, 2017 Osaka, Japan after the successful “International Conference on Industrial and Pharmaceutical microbiology” which was held during October 17-18, 2016 Kuala Lumpur, Malaysia. The conference was marked with the attendance of Editorial Board Members of supported Conference Series Ltd journals, scientists, professors, young and brilliant researchers, business delegates and talented student communities representing more than 20 countries, who made this conference fruitful and productive. This conference was based on the theme, “Scoping out Innovative research in Applied Microbiology & Future Trends of Beneficial Microbes”.

Applied Microbes 2017 will feature a global audience of scientific leaders, academia and microbiology professionals, who are going to discuss today’s emerging diseases, techniques, treatment and diagnostics in various microbiology fields. By bringing together the microbiology community, presenting the latest developments, and identifying unmet treatment needs, Applied Microbes 2017 hopes to accelerate research and drug development in microbiology improving patient outcomes.

Keynote Speakers @ 2016 Conference

- Miguel Angel Hernandez Rivera
  Mexico

- Sunil Kumar Lal
  Malaysia

- Soo-Ki Kim
  South Korea

- Minaketan Tripathy
  Malaysia
Tourist Attractions
Osaka, Japan- Osaka is a designated city in the Kansai region of Japan. It is the second largest metropolitan area in Japan and among the largest in the world with over 19 million inhabitants.

Must visit destinations in Osaka
- Osaka Castle
- Osaka Aquarium
- Shiteno-ji Temple
- Umeda Sky Builiding
- Minami

Osaka is known for its food, in Japan and abroad. Osaka is the food capital of the world. Osaka is known for its fine sake, which is made with fresh water from the prefecture’s mountains. Osaka’s culinary prevalence is the result of a location that has provided access to high quality ingredients, a high population of merchants, and proximity to the ocean and waterway trade. In recent years, Osaka has started to garner more attention from foreigners with the increased popularity of cooking and dining in popular culture. Osaka Science Museum. The Museum of Oriental Ceramics holds more than 2,000 pieces of ceramics, from China, Korea, Japan and Vietnam.Osaka Municipal Museum of Artis.

You’ll fall in love with Osaka

Venue:
Hyatt Regency Osaka, 1-13-11, Nanko-Kita
Suminoe-Ku Osaka, Japan

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Program Manager
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Office Ph: +1-702-508-5200 Ext: 8040
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