Tentative Program

4th World Congress and Exhibition on
Antibiotics & Antibiotic Resistance

June 14-15, 2018  Barcelona, Spain

***For available speaker slots***

antibiotics@conferenceseries.net

http://antibiotics.pharmaceuticalconferences.com/
# 4th World Congress and Exhibition on Antibiotics and Antibiotic Resistance

**June 14-15, 2018 Barcelona, Spain**

## Program at a Glance

### Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>General Session</th>
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<td>08.00-09.00</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Least of 3 Keynote/Plenary Talks</th>
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<tr>
<td>09.00-09.15</td>
<td>Inaugural Address</td>
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<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 1</td>
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<td>Keynote/Plenary Talk 2</td>
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<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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<thead>
<tr>
<th>Time</th>
<th>Coffee/Tea Break 10.45-11.00 (Networking)</th>
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<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<th>Time</th>
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<tr>
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### Day 2

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<tr>
<th>Time</th>
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<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<th>Time</th>
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<td>10.55-12.35</td>
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<tr>
<th>Time</th>
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<th>Time</th>
<th>Coffee/Tea Break 15.05-15.20 (Networking)</th>
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<td>15.20-17.00</td>
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<tr>
<th>Time</th>
<th>Closing Ceremony</th>
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**Note:** Program Schedule is subject to change with final allotment of the speaker slots

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### For more Details PS:
- [http://antibiotics.pharmaceuticalconferences.com/](http://antibiotics.pharmaceuticalconferences.com/antibiotics@conferenceseries.net)
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**Registration:** [http://antibiotics.pharmaceuticalconferences.com/registration.php](http://antibiotics.pharmaceuticalconferences.com/registration.php)


**Workshops and Symposia slots are available. To book slot for Workshop and Symposium send us the proposal**
Conference Highlights

- Antibiotics
- The Emergence of Antimicrobial Resistance
- Antibiotic Resistance: Opportunities and Challenges
- Different Types of Antibiotics and their Applications
- Modern Antibiotics for Various Diseases and Infections
- Antibiotic Prophylaxis
- Antibiotics in Different Industries
- Drug Discovery and Novel Delivery Technologies
- Antibiotics for Emerging and Re-emerging Diseases
- Micro Organisms in Recent Drug Discovery
- Antibiotic Regulatory Affairs
- Antibiotics: Market Analysis & Business Opportunities
Glimpses of Past Conferences
Glimpses of Antibiotics 2017
Plan your Trip to Barcelona, Spain

- La Sagrada Familia
- Magic Fountain show
- Park Guell by Gaudi
- FC Barcelona museum & Camp Nou stadium
- Cathedral Santa Creu
- Modernist buildings
3rd World Congress and Exhibition on
Antibiotics and Antibiotic Resistance
July 31-August 01, 2017    Milan, Italy
# Day 1  July 31, 2017

## Registrations

### Conference Hall- Manzoni+Montenapoleone

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<td>Opening Ceremony</td>
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## Keynote Forum

### Introduction

**Title:** Bacteriophage therapy as an effective alternative to antibiotics  
Byungse Suh, Temple University, USA

**Title:** Applications of pharmacokinetic/pharmacodynamic models for the development of antimicrobial agents  
Hartmut Derendorf, University of Florida, USA

#### Networking and Refreshment Break

**Title:** Emerging resistance to older antibiotics in Gram-negative pathogens  
Surbhi Malhotra Kumar, University of Antwerp, Belgium

### Sessions:

- **Antibiotics**
- **The Emergence of Antimicrobial Resistance**
- **Antibiotic Resistance: Opportunities and Challenges**
- **Drug Discovery and Novel Delivery Technologies**
- **Antibiotics for Emerging and Re-emerging Diseases**
- **Antibiotics and Mechanism of Action**
- **Different Types of Antibiotics and their Applications**
- **Micro Organisms in Recent Drug Discovery**

#### Session Chair: Tadashi Shimamoto, Hiroshima University, Japan

#### Session Co-Chair: John James Stewart Cadwell, FiberCell Systems Inc., USA

### Title:

- **The hollow fiber infection model for antimicrobial pharmacodynamics and pharmacokinetics**  
  John James Stewart Cadwell, FiberCell Systems Inc., USA

- **Antibacterial activity of recombinant and synthetic hepcidin**  
  Marie-Agnes SARI, Universite Paris Descartes, France

- **Fossil shell powder as a superoxide generator displays broad antimicrobial spectrum against human pathogens**  
  Yasuhiro Igarashi, Toyama Prefectural University, Japan

#### Lunch Break

**Title:** Detection of the mcr-1 colistin resistance gene and Extended-Spectrum Beta-Lactamase (ESBL)-producing Escherichia coli from poultry in Qatar  
Nahla Omer Ahmed Eltai, Qatar University, Qatar

**Title:** From discovery to preclinical study of N-Rephasin® SAL200: A novel antibacterial drug for multidrug-resistant Staphylococci-associated Infections  
Myung-Soo Kang, iNTRON Biotechnology, South Korea

**Title:** What drives using antibiotic without prescriptions? A mixed-methods study of university students perspectives in United Arab Emirates  
Khalid Awad Al-Kubaisi, University of Gloucestershire, UAE

**Title:** Bacterial pathogen responsible for urinary tract infection in patient attending to general OPD of B.P. Koirala Institute of Health Sciences, Dharan  
Tula Krishna Gupta, B P Koirala Institute of Health Sciences, Nepal

**Title:** Consider ertapenem as culprit for central nervous system related adverse effects  
Teck Kim Tie, Changi General Hospital, Singapore

**Title:** Survey on antimicrobial prescribing patterns in small animal veterinary practice as a tool for drawing up guidelines for the correct use of antimicrobials in pets  
Andrea Barbarossa, University of Bologna, Italy

**Title:** Influence of antibiotic resistance on plasma susceptibility of multi-drug resistant clinical isolates of enterococci  
Georg Daeschlein, University Medicine Greifswald, Germany

### Panel Discussion
### Keynote Forum

**Title: Immunosuppression and Infection**  
Samir Kumar-Singh, University of Antwerp, Belgium

**Title: Molecular characterization of carbapenemase-producing Gram-negative bacteria in Egypt**  
Tadashi Shimamoto, Hiroshima University, Japan

### Session: Clinical Trials of Antibiotics | Modern Antibiotics for Various Diseases and Infections | Antibiotic Regulatory Affairs | Advances in Antibiotic Treatment | Antibiotics for Cancer | Antibiotics: In Pregnancy and Lactation | Antibiotic Prophylaxis | Antibiotics in Different Industries | Antibiotics for Emerging and Re-emerging diseases

**Session Chair:** Byungse Suh, Temple University, USA

### Young Research Forum

**Title: Antibiotics in care homes-a retrospective analysis of medicines administration records**  
Fadya Al-Hamadani, Cardiff University, UK

**Title: A novel CTX-M14 related beta-lactamase renders *E.coli* sensitive to the antibiotic nitrofurantoin used to treat urinary tract infections**  
Yasir Al-Mehdi Edowik, Bangor University, UK

**Title: Antimicrobial capacity of plant extracts and pure polyphenolic compounds on intrahospital pathogenic species**  
Francisco Javier Alvarez Martinez, Miguel Hernandez University of Elche, Spain

**Title: In vitro cytotoxicity and efficacy against Rhodococcus equi of azithromycin plus rifampicin microparticle combinations**  
Elisa Rampacci, University of Perugia, Italy

### Poster Presentations

- **ANTB001**  
  Title: Nanotechnology for combating multi-drug resistance: A next generation antimicrobial therapy  
  Tikam Chand Dakal, Manipal University, India

- **ANTB002**  
  Title: Study effect of Indian Costus and sea-qust oil extract on some opportunistic bacteria and yeast  
  Manal Othman Al-Kattan, King Abdulaziz University, Saudi Arabia

- **ANTB003**  
  Title: Novel *Staphylococcal phage endolysin*, SAL-1  
  Gi-Mo Jung, iNtRON Biotechnology, South Korea

- **ANTB004**  
  Title: Molecular screening *in silico* for the discovery of inhibitors of PBP2a  
  Francisco Javier Alvarez Martinez, Miguel Hernandez University of Elche, Spain

- **ANTB005**  
  Title: Antibiotic consumption of hospitalization in China (2011-2014): An analysis of CAS data  
  Xiaoyuan Qu, Shandong University, China

- **ANTB006**  
  Title: *Staphylococci* from food as a reservoir of antibiotic resistance genes  
  Wioleta Chajęcka-Wierzchowska, University of Warmia and Mazury in Olsztyn, Poland
Day 1 | October 13, 2016 | Thursday

Meeting room 105

Registrations

Meeting room 105

conference series.com

Opening Ceremony

Keynote Forum

Introduction

Title: Overcoming antimicrobial resistance
Byungse Suh, Temple University School of Medicine, USA

Title: Relationships between pathogen behaviour, immunity and efficacy of antimicrobial drugs within a mammalian host
Pietro Mastroeni, University of Cambridge, UK

Networking and Refreshments @ Foyer

Title: Current state-of-the-art in antibiotics, antibiotic resistance and novel antibacterial strategies
Samir Kumar-Singh, University of Antwerp, Belgium

Sessions:
The Emergence of Antimicrobial Resistance | Antibiotic Resistance: Opportunities and Challenges | Different Types of Antibiotics and their Applications | Modern Antibiotics for Various Diseases and Infections | Drug Discovery and Novel Delivery Technologies

Session Chair: Mario A Bianchet, Johns Hopkins School of Medicine, USA
Session Co-Chair: Marc Devocelle, Royal College of Surgeons in Ireland, Ireland

Session Introduction

Title: Galleria mellonella as a model for antimicrobial drug screening
Richard W Titball, University of Exeter, UK

Title: Structural insight into mechanisms of inactivation of L,D transpeptidases by carbapenems
Mario A Bianchet, Johns Hopkins School of Medicine, USA

Lunch Break @ Foyer

Title: Antimicrobial peptide prodrugs activated by Neutrophil Elastase
Marc Devocelle, Royal College of Surgeons in Ireland, Ireland

Title: Genomic study of reversion of antibiotic resistance reversion in multidrug resistant Mycobacterium tuberculosis SCAID 187.0 by a new drug FS-1
Oleg Reva, University of Pretoria, South Africa

Title: Hybrid antibacterial agents as a tool to overcome the problem of bacterial resistance studies on 1,2,4-triazole-ciprofloxacin hybrids
Anna Malm, Medical University of Lublin, Poland

Title: Treatment of cerebral mucormycosis with prolonged liposomal Amphotericin B (LAMB) (> 900 days)
Byungse Suh, Temple University School of Medicine, USA

Title: Computational design and validation of some novel, non pteridine analogs as selective Mycobacterium tuberculosis dihydrofolate reductase inhibitors
Mymoona Akhtar, Jamia Hamdard University, India

Networking and Refreshments @ Foyer

Title: Surviving Antimicrobial Resistance
Andrew Cross, ACT Surfaces Ltd, UK

Title: How much misleading the results of In vitro antibiotic susceptibility comparing to In vivo data
Tarek El-Banna, Tanta University, Egypt

Panel Discussion

Day 2 | October 14, 2016 | Friday

Meeting room 105
**Keynote Forum**

**Introduction**

**Title: Penicillin revisited**
Herbert B Allen, Drexel University, USA

**Title: Structure based drug design to address bacterial antibiotic resistance**
Mario A Bianchet, Johns Hopkins School of Medicine, USA

**Networking and Refreshments @ Foyer**

**Title: Breaking the chain of infection - How copper can help tackle Antimicrobial Resistance**
Andrew Cross, ACT Surfaces Ltd, UK

**Sessions:**

**Antibiotic Resistance: Opportunities and Challenges | Antibiotics in Different Industries and Novel Delivery Technologies | Drug Discovery and Novel Delivery Technologies | Antibiotics for Emerging and Re-emerging Diseases | Micro Organisms in Recent Drug Discovery**

**Session Chair: Richard W Titball, University of Exeter, UK**
**Session Co-Chair: Pietro Mastroeni, University of Cambridge, UK**

**Session Introduction**

**Title: What is the role of local antibiotics in prosthesis-associated joint infections?**
Christof Berberich, Heraeus-Medical GmbH, Germany

**Title: Differential expression profile of Pseudomonas aeruginosa in sub-inhibitory concentrations of beta lactam, aminoglycoside and polymyxin antibiotics**
Samir Kumar-Singh, University of Antwerp, Belgium

**Lunch Break @ Foyer**

**Title: To differentiate significant infection or colonisation for treat or not to treat A. baumannii isolates in suspected VAP? Study in 2011-2015 (5 years period)**
Khine Swe Swe, University of KwaZulu-Natal, South Africa

**Title: Epidemic of scrub typhus infection in Northern Sri Lanka- Susceptibility of Doxycycline monotherapy**
Jebananthy Anandaselvam Pradeepan, University of Jaffna, Sri Lanka

**Title: Evaluation of biological activities of nine medicinal plants and isolation and identification of antimicrobial compound(s) from Pomaria sandersonii and Alepidea amatymbica**
Fanyana Muntuzi, Vaal University of Technology, South Africa

**Title: Strategies for improved production of Rapamycin using sequential UV mutagenesis study by Streptomyces ghanaensis MTCC 4003**
Apurba Dey, National Institute of Technology, India

**Young Researchers Forum**

**Title: Antimicrobial photodynamic therapy as a promising tool to overcome antibiotic resistance**
Carolina dos Santos Vinagreiro, University of Coimbra Rua Larga, Portugal

**Title: Ring-fused 2-pyridones inactivate the virulence regulator PrfA of Listeria monocytogenes**
Martina Kulén, Umeå University, Sweden

**Networking and Refreshments @ Foyer**

**Title: Risk assessment of aminoglycoside resistance genes at sub inhibitory concentrations: Cross resistance patterns [aph(3)IIIa, aac-aph] in Enterococcus faecalis 33-1, adaptive selection in Lactobacillus plantarum C27b MCC3011 and in-vitro conjugal transfer**
Jaimee George, Central Food Technological Research Institute, India

**Title: A homology model of Staphylococcus aureus phenylalanine tRNA synthetase: Active site analysis and docking interactions**
Samar S Elbaramawi, Cardiff University, UK

**Poster Presentations @ Foyer**

**ANTB001**

**Title: Molecular characterization of Extended-Spectrum Beta-Lactamases (ESBLs) produced by clinical isolates of Acinetobacter baumannii in Saudi Arabia**
Essam J Alyamani, King Abdulaziz City for Science and Technology, KSA

**ANTB002**

**Title: Comparative pharmacodynamics of selected antimicrobials against Escherichia coli strains isolated from dogs**
Georgios A Delis, Aristotle University of Thessaloniki, Greece

**ANTB003**

**Title: The synthesis and bioactivity investigation of Polymyxin components**
Along Cui, Chinese Academy of Medical Sciences & Peking Union Medical College, China
**Title: Silver nanoparticles as broad spectrum antibacterial agent**
Ann Lok Yan So, Hong Kong Polytechnic University, Hong Kong

**Title: Effects of steroidal alkaloids from Holarrhena antidysenterica and conessine as efflux pump inhibitors against Pseudomonas aeruginosa**
Thanyaluck Siriyong, Prince of Songkla University, Thailand

**Title: Co-existence of blaOXA-23 with armA in quinolone-resistant acinetobacter baumannii from a Chinese university hospital**
Baodong Ling, Chengdu Medical College, China

**Title: Riboswitch control of aminoglycoside antibiotic resistance**
Xu Jia, Fudan University, China

**Title: Effect of local anesthetics on channel-forming activity of Gramicidin A**
Anastasiia Zakharova, Institute of Cytology of the Russian Academy of Sciences, Russia

**Title: The anti-bacterial activity of minocycline against Methicillin Sensitive Staphylococcus Aureus (MSSA) and Methicillin Resistance Staphylococcus Aureus (MRSA)**
Sitelbanat Yassin, University of Gezira, Sudan

**Title: Phytochemical and antimycobacterial activity of henna (Lawsonia inermis L.) extract, some phytoconstituents and their silver complex**
Anwar Mohammed Abdelrahman Abdelhalim, University of Gezira, Sudan

**Title: Prevalence of blaPER-1 and blaVEB-1 genes among ESBL-producing Acinetobacter baumannii isolated from two hospitals of Tehran, Iran**
Roxana M Ghanaie, Shahid Beheshti University of Medical Sciences, Iran
Keynote Forum

Introduction
Using synergies to potentiate drugs such as vancomycin in Gram negative bacteria

Jeffrey H Miller, University of California, USA

The hollow fiber infection model for antimicrobial pharmacodynamics and pharmacokinetics

John J S Cadwell, Fiber Cell Systems Inc., USA

Symposia on Clostridium Difficile

Clostridium difficile - an evolving pathogen
Glenn S Tillotson, TranScrip Partners, USA
SMT 19969: A selective agent for Clostridium difficile infection
Richard Vickers, Summit Therapeutics, UK

Sessions:
- The Vast Area of Antibiotics & Antibiotic Prophylaxis
- Antibiotic Resistance: Opportunities and Challenges
- Microorganisms in Recent Drug Discovery
- Responsible Use of Antibiotics
- Optimization of therapy-General principles

Session Chair: Glenn S Tillotson, TranScrip Partners, USA

Glycopeptides revisited
Jon B Bruss, Theravance Biopharma, USA
Tadashi Shimamoto, Hiroshima University, Japan

Penicillin: The new/old wonder drug
Herbert Allen, Drexel University, USA

Nonthermal Plasma-Treated solutions as Antimicrobial Agents in Control of Multi-Drug Resistant Pathogens
Suresh G. Joshi, Drexel University College of Medicine, USA

Antibiotic stewardship – A role for managed care
Douglas Burgoyne, VRx Pharmacy Services, USA

The first report of CMY, aac (6′)-Ib and 16S rRNA methylase genes among Pseudomonas aeruginosa isolates from Iran
Sedigheh Rafiei Tabatabaei, Shaheed Beheshti University, Iran

Tackling Antibiotic Resistance for Global Health: Future Challenges
Gannu Praveen Kumar, Sahasra Institute of Pharmaceutical Sciences, India

Comparative Study of Antimicrobial Activities of two type of TiO2 Nanoparticles Against the Pathogenic Strain of Escherichia coli
Rehab K. Alhajjar, King Saud University, Saudi Arabia

Strategies to combat bacterial resistance: Towards development of future antibacterial drugs
Jayanta Haldar, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), India

Young Research Forum
Emergence of Multi Drug Resistance *Escherichia coli* strains against clinically significant antibiotics from river system, India

Richa Bhardwaj, Guru Gobind Singh Indraprastha University, India

**Panel Discussion**

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**Day 2** September 15, 2015

**Riviera**

**Keynote Forum**

**Antibiotic resistance: The holistic viewpoint of outcomes and costs**

Glenn S Tillotson, TranScrip Partners, USA

**Antibiotic prescribing for respiratory tract infections in primary care**

Martin Duerden, Bangor University, UK

**Coffe Break@ Atrium**

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**Exclusive Session**

Development and procurement of biotechnology for emerging disease and engineered threats in the public health preparedness sector

John M. Clerici, Tiber Creek Partners, USA

Sessions:
- Antibiotics in Prevention and Treatment of Inflammatory and Infectious Diseases
- Antibiotics: Water Born Diseases
- Antibiotics and Allergies: Clinical Update
- Antibiotics: Agriculture, Veterinary and Aquaculture
- Antibiotics in Child care, Dental and Oral care
- Antibiotics for Emerging and Re-emerging Diseases

Session Chair: John M. Clerici, Tiber Creek Partners, USA

**Session Introduction**

**Analysis of ascitic fluid lactoferrin levels in the diagnosis of spontaneous bacterial peritonitis after systemic antibiotic treatment**

Tsung Hsing Chen, Chang Gung University College of Medicine, Taiwan

**Earlier Appropriate Antibiotics Treatment of Ventilator Associated Tracheobronchitis: Now or Wait?**

Yuxiu Lei, Lahey Hospital & Medical Center, USA

**Networking & Lunch Break @ Atrium**

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The prevalence of Carbapenem Resistant Gram Negative Bacteria (CRGNB) and Methicillin Resistant *Staphylococcus aureus* (MRSA) in a central referral hospital, Durban, South Africa between 2010-2014

Khine SweSwe- Han, University of KwaZulu-Natal, South Africa

The impact of substandard antibiotics, is it beyond the individual?  

Glenn S Tillotson, TranScrip Partners, USA

Changes in antibiotic sensitivity in children with *Helicobacter pylori* infection

Marco Manfredi, University of Parma, Italy

A novel oil produced by *Aureobasidium pullulans* has antibacterial activity with specificity for species of *Streptococcus*

Kenneth Bischoff, National Center for Agricultural Utilization Research, USA

**Video Presentation**

New Strategies to develop antibiotics for treatment of *Pseudomonas aeruginosa* and *Leishmania* infections

Alessandra Piccitto, Durham University, UK

**Coffe Break@ Atrium**

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**Poster Sessions & Award Ceremony**

**Day 3** September 16, 2015

**Cocktails**
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<td>Glenn S Tillotson, TranScrip Partners USA</td>
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<td>Mycobacterium tuberculosis cell-wall biosynthesis as target of Carbapenems</td>
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<td>Mario A Bianchet, Johns Hopkins University School of Medicine, USA</td>
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<td>Coffe Break: @ Atrium</td>
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<td>Biofilm Dispersing NO-Donor Cephalosporins Activated by b-Lactamase</td>
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<td>Michael Kelso, University of Wollongong, Australia</td>
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<td>Anti-methicillin-resistant Staphylococcus aureus assay of azalomycin F and its derivatives</td>
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<td>Ganjun Yuan, Jiangxi Agricultural University, China</td>
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<td>Thiazole antibiotics against cancer</td>
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<td>Andrei L Gartel, University of Illinois, USA</td>
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<td>Use of Probiotics in Guinea Pigs (Cavia porcellus)</td>
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<td>Jorge Ernesto Guevara Vasquez, National University Mayor de San Marcos – Lima-Perú</td>
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<td>Evaluation of antibiotic hypersensitivity in hospital setting. In vivo and in vitro testing by using standardized epicutaneous, intradermal, oral provocation tests and a rapid IL-6 release assay on the peripheral mononuclear cells</td>
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<td>Baló-Banga J M, Medical Center of the Hungarian Defense Forces, Hungary</td>
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Proposals are invited for organizing Symposia/Workshops at Conference Series LLC Conferences or Conference Series LLC will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.org

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Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: bacteriology2014@omicsgroup.org
Title: Spectroscopic analyses of Gram-negative bacterial iron transport reactions
Phillip E. Klebba, Kansas State University, USA

Title: Diagnostic potentials of *M. tuberculosis*-specific proteins and peptides
Abu Salim Mustafa, Kuwait University, Kuwait

Title: A soluble auto assembling heptameric *Staphylococcus aureus* alpha-hemolysin as a vaccine candidate
Ilaria Ferlenghi, Novartis Vaccines Research Centre, Italy

Title: The evolution of virulence in *Streptococcus pyogenes*
Francis J. Castellino, University of Notre Dame, USA

Title: Transcriptome analysis identifies *Bacillus anthracis* AtxA as a global transcriptional regulator of genes that respond to carbon dioxide
Andrei P. Pomerantsev, National Institute of Allergy and Infectious Diseases, USA

Title: Detection of *Legionella* spp., *L. pneumophila* and *L. pneumophila* serogroup 1 in drinking water system
Jingrung Lu, US Environmental Protection Agency, USA

Title: Crossstalk between acidic phospholipids present in bacterial membranes and the Initiation of replication at *Escherichia coli* Chromosomal origin (oriC) is beyond nucleotide exchange on DnaA, the initiator protein
Rahul Saxena, Georgetown University Medical Center, USA

Title: *Pseudomonas aeruginosa*: A bacterial opportunist pathogen with an extremely well conserved genome that shows a variety of pathogenic interactions
Gloria Soberon-Chavez, National Autonomous University of Mexico, Mexico

Title: Function of the phased A-tracts upstream of the phospholipase C gene promoter in *Clostridium perfringens*
Seiichi Katayama, Okayama University of Science, Japan

Title: Virulence and transmission of bacteria inducing tooth decay
Ling Zhan, University of California, USA

Title: Mycobacterial manipulation of the host innate immune response
Cory M. Robinson, The University of South Carolina School of Medicine, USA

Title: Biological and pathogenic regulatory role of salmonellagidAB operon
Amin A. Fadl, University of Wisconsin-Madison, USA

Title: From vertical to horizontal transmission, when the Wolbachia endosymbiont turns to a deadly pathogen for its hosts
Winka LE CLECH, Texas Biomedical Research Institute, USA

Title: The molecular basis of protective immunity against experimental intracellular infection caused by *Francisella tularensis*
Klara Kubelkova, University of Defence, Czech Republic
Coffee Break @ Versailles Foyer

**Title:** Production and regulation of functional amyloid curli fimbriae by Shiga toxin-producing *Escherichia coli*
Gaylen Uhlich, U.S. Department of Agriculture, USA

**Title:** Investigating the survival and persistence of the multiple-drug-resistant global opportunistic pathogen, *Stenotrophomonas maltophilia*
Joanna S. Brooke, DePaul University, USA

**Title:** Metabolic control of virulence potential of the agent of Lyme disease
Janakiram Seshu, The University of Texas, USA

**Title:** Bactofection of mammalian cells by an attenuated derivatives of *Pasteurella multocida* B:2
Sarah Othman, Universiti Putra Malaysia, Malaysia

**Title:** Leptospirosis scenario in India
Abha Aggarwal, ICMR, India

**Title:** Methodology of collection of spontaneous sputum for microbiological confirmation of the diagnosis of pulmonary tuberculosis, pulmonary disease by non-tuberculous mycobacteria or for follow-up of out- and in-patients under anti-tuberculous the rap
Zerihun Tesfaye, Addis ababa University, Ethiopia

**Title:** Phytochemical screening of the exudate of *Aloe otallensis* and its effect on the *Leishmania aethiopica* and *Leishmania donovani*
David Jamil Hadad, Centre of Infectious Diseases, Brazil

Cocktails Sponsored by Journal of Bacteriology and Parasitology @ Versailles Foyer

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**Day 2 November 18, 2014**

Versailles - B

**Keynote Forum**

**Track 3: Plant-Microbe Symbiosis & Pathology**
**Track 4: Natural Microbial Defenses & Host Immunity**
**Track 5: Animal Modeling and Veterinary Bacteriology**

Session Chair: Kei Amemiya, US Army Medical Research Institute of Infectious Diseases, USA
Session Co-Chair: Joyce A. Sutcliffe, Tetraphase Pharmaceuticals, USA

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**Introduction**

**Stephen Hanessian**
University of Montreal, Canada

**Marcelo E. Tolmasky**
California State University Fullerton, USA

**Akira Kaji**
University of Pennsylvania, USA

Coffee Break @ Versailles Foyer

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**Title:** Melioidosis and glanders: Diseases in search of animal models, vaccines, and therapeutics
Kei Amemiya, US Army Medical Research Institute of Infectious Diseases, USA

**Title:** Eravacycline, a novel fluorocycline, is highly efficacious in treating tularemia and anthrax in animal models
Joyce A. Sutcliffe, Tetraphase Pharmaceuticals, USA

**Title:** Carbon Monoxide: A poison to microbes
B.Y.Chin, International Medical University, Malaysia

**Title:** The role of plant metabolites in sensitive analytical detection of food borne illness pathogens
Alan Olstein, Paradigm Diagnostics, Inc, USA

**Title:** Isolation and molecular characterization of *Mycobacterium avium* subspecies paratuberculosis from ruminants and non domestic Non ruminant animals
Mohamed Salem, King Faisal University, Saudi Arabia

**Title:** Paratuberculosis in the Kingdom of Saudi Arabia: A review of current situation
Fadhel Housawi, King Faisal University, Saudi Arabia

Lunch Break @ Monaco

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**Track 6: Advances in Antimicrobials, Vaccines & Therapeutics**

Session Chair: Theo Sesardic, National Institute for Biological Standards and Control, UK
Session Co-Chair: Kwang Poo Chang, Rosalind Franklin University of Medicine and Science, USA

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Title: Bioassays for evaluation of medical products derived from bacterial toxins
Thea Sesardic, National Institute for Biological Standards and Control, UK

Title: Photodynamic vaccination: Novel strategies of vaccine delivery by intraphagolysosomal parasites and their oxidative inactivation for safe and effective applications
Kwang Poo Chang, Rosalind Franklin University of Medicine and Science, USA

Title: Structural insights into antibiotic action on the ribosome
Andrei A. Korostelev, University of Massachusetts Medical School, USA

Title: Mechanisms of antigen uptake at mucosal surfaces and the relevance for vaccine design
Vjollica H. Konjufca, Southern Illinois University, USA

Title: Antimicrobial activities of natural compounds against susceptible and antibiotic-resistant pathogens in the absence and presence of food
Mendel Friedman, Western Regional Research Center, USA

Title: Type I toxin-antitoxin systems in Escherichia coli
Mitsuoki Kawano, Nigata Univ. of Pharm, Japan

Title: Techniques for the identification and exploitation of novel antimicrobial targets
Ali Ryan, Kingston University, UK

Title: Bacillus as a source of novel antibiotics
Patrick Fickers, Universite libre de Bruxelles, Belgium

Coffee Break @ Versailles Foyer

Title: Qnr proteins: Structure and properties against quinolone inhibition of DNA gyrase
Maria M. Tavío, University of Las Palmas de Gran Canaria, Spain

Title: Angels and demons: Microbes or man?
Yogandree Ramsamy, University Of Kwa Zulu Natal, South Africa

Title: High prevalence of faecal carriage of bla-SHV type extended spectrum-β-lactamases producing Escherichia coli among healthcare workers
Rosha H. Bassoyouni, Foyourm University, Egypt

Title: Towards anti virulence drugs targeting disulfide bond-forming enzyme DsbA
Prem Lakshmanan, The University of Queensland, Australia

Title: A chimeric protein (mTcd138) comprising the glucosyltransferase and domains of toxin B and the receptor binding domain of toxin A provides full protection against Clostridium difficile infection in mice
Xingmin Sun, Tufts University, USA

Poster Presentations @ Versailles Foyer

Poster Judges: Michael Y. Galperin, National Center for Biotechnology Information, USA
Ilaria Ferlenghi, Novartis Vaccines Research Centre, Italy

B-001 Title: Multi-locus sequence typing of Campylobacter jejuni using a novel Polymerase-Chain-Reaction-Microsphere method
Ross T. Barnard, The University of Queensland, Australia

B-002 Title: The effect of lowering S. pneumoniae MIC: Penicillin/Ampicillin live on as treatment for Pneumonia
Jennifer Bowes, University of Ottawa, Canada

B-003 Title: The effect of flavonoids from Malaysian propolis in regulating enterococcus faecalis biofilm virulent gene expressions
Amalraj Fabian Davamani, International Medical University, Malaysia

B-004 Title: The effect of mycobacterium vaccae on ultrasonic vocalizations of male mice during anxiety-provoking situations
Dorothy Matthews, The Sage Colleges, USA

B-005 Title: Characterising the host response of Balb/c mice to Burkholderia pseudomallei using RNASeq
Jonathan David, Biomedical Sciences, UK

B-006 Title: Understanding the mechanisms underlying bacterial bio-flocculant production
Arinze Okoli, GenØK-Centre for Biosafety, Norway

B-007 Title: Comparative in-vitro activities of trimethoprim-sulfamethoxazole and the new fluoroquinolones against confirmed extended spectrum β-lactamase producing Stenotrophomonas maltophilia recovered from the Eastern Cape Province, South Africa
Anthony Okoh & Uchechukwu nwodo, University of Fort Hare, South Africa

B-008 Title: Characterization of bioflocculant produced by actinobacterium sp. mayor
Leonard Mabinya, University of Fort Hare, South Africa

B-009 Title: Motif search-aided screening of the Pseudomonas syringae pv. maculicola genome for genes encoding tertiary alcohol ester hydrolases
Maruping Mangena, University of Johannesburg, South Africa

B-010 Title: Effects of DNA size on cell transfection
Benjamin Hornstein, Baylor College of Medicine, USA

B-011 Title: Varicella-zoster meningitis with a late-onset of skin eruption: a case report
Sikarin Upala, Bassett Medical Center, USA

B-012 Title: Candidate gene approaches reveal new target pathways for treating antibiotic-resistant gram-negative bacterial infections
Zachary C. Conley, Baylor College of Medicine, USA

B-013 Title: Optimizing a strategy for molecular identification of species from Mycobacterium avium-intracellulare complex
Dechassa Terefe Lemu, Haramaya University College of Veterinary Medicine, Ethiopia
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
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<tbody>
<tr>
<td>Computer-assisted antibacterial drug design. Searching potential inhibitors of acetoxyacid synthase from methicillin resistant <em>Staphylococcus aureus</em></td>
<td>Alfredo Téllez-Valencia, Juárez University of Durango State, México</td>
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<td>Drug design against nosocomial infections. Homology modeling and Virtual screening in shikimate dehydrogenase from <em>Enterobacter cloacae</em> to find potential inhibitors.</td>
<td>Claudia Isela Avitia-Domínguez, Juárez University of Durango State, México</td>
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<td>Novel strategies for the development of heterologous protein production processes based on thepPox2 promoter in the yeast <em>Yarrowia lipolytica</em>.</td>
<td>Hosni Sassi, Free University of Brussels, Belgium</td>
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<td>Identification and characterisation of <em>Staphylococcus aureus</em> isolated from nasal swabs obtained from patients and healthcare workers at a tertiary hospital in Nigeria</td>
<td>Aminat Oluwatoyin Adelawo, University of Pretoria, South Africa</td>
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<td>Distinguish, identification and study of antibiotic resistance profile of Nosocomial infectious pathogens</td>
<td>Tea Koiva, Shota Rustaveli State University, Georgia</td>
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<td>Draft genome sequences and description new probiotic strain of <em>Lactobacillus rhamnosus</em> CLS17</td>
<td>Samat Kozhakhmetov, The Center for Life Sciences Nazarbayev University, Republic of Kazakhstan</td>
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<td>Beneficial effects of the new synbiotic dairy product nar on human beings</td>
<td>Zhanagul Khassenbekova, The Center for Life Sciences Nazarbayev University, Republic of Kazakhstan</td>
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<td>Synthesis of new fatty acid amides derivatives of castor oil with antituberculosis activity</td>
<td>Silvia Guzmán-Beltrán, National Institute of Respiratory Diseases, Mexico</td>
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<td>Nordihydroguaiaretic acid inhibits <em>Mycobacterium tuberculosis</em> survival in vitro and in infected human cell line</td>
<td>Martha Torres Rojas, National Institute of Respiratory Diseases, Mexico</td>
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<td>Antimicrobial susceptibility of <em>Staphylococci</em> isolated from small animals</td>
<td>Juan David Valencia Bacca, University of Sao Paulo, Brazil</td>
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<td>Search for adhesins-encoding genes in <em>Staphylococcus</em> spp. isolated from small animals</td>
<td>Juan David Valencia Bacca &amp; Tatiana Jimenez Villegas, University of Sao Paulo, Brazil</td>
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<td>Mycobacterium tuberculosis</td>
<td>Yi Jiang, National Institute of Communicable Disease Control &amp; Prevention Chinese Center for Disease Control &amp; Prevention, P. R. China</td>
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<td>Bacterial phenylalanyl-tRNA synthetase as an antibacterial target</td>
<td>Ed T. Buurman, AstraZeneca, USA</td>
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<td>Malignant sinusitis causing cerebral septic thromboses</td>
<td>Sharon Joo, University of Nevada, USA</td>
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<td>Assessment of Genotoxicity of Imidacloprid to freshwater teleost Channa punctatus (Bloch) using Micronucleus assay and Comet assay</td>
<td>Padma Priya Ballajepalli, GITAM University, India</td>
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<td>Phenotypic characterization of <em>Enterobacteriaceae</em> producing Extended-spectrum-β-lactamase from poultry in Brazil</td>
<td>Mara Ita Vedovelli Cardozo, Sao Paulo State University, Brazil</td>
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**Track 7: Epidemiology, Emerging Infectious Diseases & Public Response Planning**

**Track 8: Medical Microbiology - From Benchtop to Clinic**

**Track 9: Microbial Genomics, Systems Biology and Bioinformatics**

**Track 10: Multi-Pathogen Infections & Post-Infection Sequelea**

**Track 11: Industrial and Applied Bacteriology**

Session Chair: Eric T. Harvill, Penn State University, USA
Session Co-Chair: Wanda C. Reygaert, Oakland University, USA
Title: Studies of evolution and genetics of metabolic functions by high-throughput methods in bacteria and their hosts  
Joao Marcelo Pereira Alves, University of Sao Paulo, Brazil

Title: Is it cost effective to pool donations for Nucleic Acid Testing for HCV screening in Blood Banks from high prevalence communities?  
Manal M Baddour, Alexandria University Faculty of Medicine, Egypt

Title: In vivo monitoring the intracellular pH variation upon Aspergillus fumigatus infection in single apoptotic human monocytes  
Sara Mohebbi, Leibniz-Institute for Natural Product Research and Infection Biology, Germany

Title: Could have Brevibacillus a soil microbe transmuted in to a possible uropathogen?  
Suneeva Sharon Christa A, VIT University, India

Title: Bacteriology and antibiotic sensitivity patterns of urine and biofilm in patients with indwelling urinary catheter in a tertiary hospital in Bangladesh  
Mahabubul Islam Majumder, Comilla Medical College, Bangladesh

Title: Epidemiology of tinea capitis at primary school children in Fayoum City-Egypt  
Naglaa A. El Sherbiny, Fayoum University, Egypt

Title: Competition between invading pathogens and resident respiratory tract microbiota  
Eric T. Harvill, Penn State University, USA

Title: ß-phenylethylamine as a novel inhibitor of E. coli biofilm  
Birgit M Pruss, North Dakota State University, USA

Title: Lantibiotics from Streptococcus salivarius as potential antimicrobials  
Koshy Philip, University of Malaya, Malaysia

Title: Nanotechnology incorporated to the development of tests aiming to the detection of bacterial pathogens  
Ikonomopoulos John, Agricultural University of Athens Greece, Greece

Title: 3-nitrotoluene biomineralization by diaphorobacter species  
Gurunath Ramanathan, Indian Institute of Technology Kanpur, India

Title: Genetic diversity, host range and molecular analysis of the virulence determinants of Escherichia coli O157:H7 isolated from different sources  
Collins Njie Ateba, North West University-Mafikeng Campus, South Africa