# Tentative Program

## 4th World Congress and Exhibition on

# Antibiotics & Antibiotic Resistance

June 14-15, 2018 Barcelona, Spain



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

***For available speaker slots***

antibiotics@conferenceseries.net

# 4th World Congress and Exhibition on

# Antibiotics and Antibiotic Resistance

June 14-15, 2018 Barcelona, Spain

Program at a Glance

## Day 1

| | | | |
|---|---|---|---|
| Morning Sessions | Reception/Registration | 08.00-09.00 | |
| | | Time | General Session |
| | | 09.00-09.15 | Inaugural Address |
| | Least of 3 Keynote/Plenary Talks | 09.15-09.45 | Keynote/Plenary Talk 1 |
| | | 09.45-10.15 | Keynote/Plenary Talk 2 |
| | | 10.15-10.45 | Keynote/Plenary Talk 3 |
| | Panel Discussions/Group Photo | | |
| | Coffee/Tea Break 10.45-11.00 (Networking) | | |
| Evening Sessions | 11.00-12.40 | 5 Speakers (20 Mins Each) | |
| | Lunch Break 12.40-13.30 | | |
| | 13.30-15.30 | 6 Speakers (20 Mins Each) | |
| | Coffee/Tea Break 15.30-15.45 (Networking) | | |
| | 15.45-17.25 | 5 Speakers (20 Mins Each) | |

19 Speakers for Day 1

## Day 2

| | | | |
|---|---|---|---|
| | Time | Session 1 | Session 2 |
| Morning Sessions | 09.00-10.40 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | Coffee/Tea Break 10.40-10.55 (Networking) | | |
| | 10.55-12.35 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | | | |
| | Lunch Break 12.35-13.25 | | |
| Evening Sessions | 13.25-15.05 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | Poster Sessions | | |
| | Coffee/Tea Break 15.05-15.20 (Networking) | | |
| | 15.20-17.00 | 5 Speakers (20 Mins Each) | 5 Speakers (20 Mins Each) |
| | Closing Cermony | | |
| | NOTE: Program Shedule is subject to change with final allotment of the speaker slots | | |
| | antibiotics@conferenceseries.net | | |

30 Speakers on Day 2

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

**Call for Abstract**: http://antibiotics.pharmaceuticalconferences.com/call-for-abstracts.php

**Registration**: http://antibiotics.pharmaceuticalconferences.com/registration.php

**Abstract Submission**: http://antibiotics.pharmaceuticalconferences.com/abstract-submission.php

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# 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

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*Scientific Program*

3rd World Congress and Exhibition on

# Antibiotics and Antibiotic Resistance

July 31-August 01, 2017 Milan, Italy



**Conference Series - America**
One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

**Conference Series - UK**
Kemp House, 152 City Road, London EC1V 2NX, UK
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Registrations

## Conference Hall- Manzoni+Montenapoleone

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# Opening Ceremony

## 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

**Title: Antibacterial activity of recombinant and synthetic hepcidin**

**Marie-Agnes SARI,** Universite Paris Descartes, France

**Title: 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 studyof 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**

**Networking and Refreshment Break**

**Panel Discussion**

## Day 2 August 01, 2017

## Conference Hall- Manzoni+Montenapoleone

## 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

**Networking and Refreshment Break**

**Title: Aminoglycosides bladder irrigation for treatment of multidrug resistant organisms might be an option to treat complex cases of bacteriuria in the era of resistance and limited options**
**Siham M Mahgoub**, Alzahra Hospital Dubai, UAE

**Sessions: 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

**Lunch Break**

**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

ANTB007

**Title: Antimicrobial susceptibility and resistance for local use in ophthalmology**

**Simona Scalabrin,** University of Turin, Italy

**Award Ceremony**



**Bookmark your dates**

4th World Congress and Exhibition on

# Antibiotics and Antibiotic Resistance

June 14-16, 2018 Barcelona, Spain

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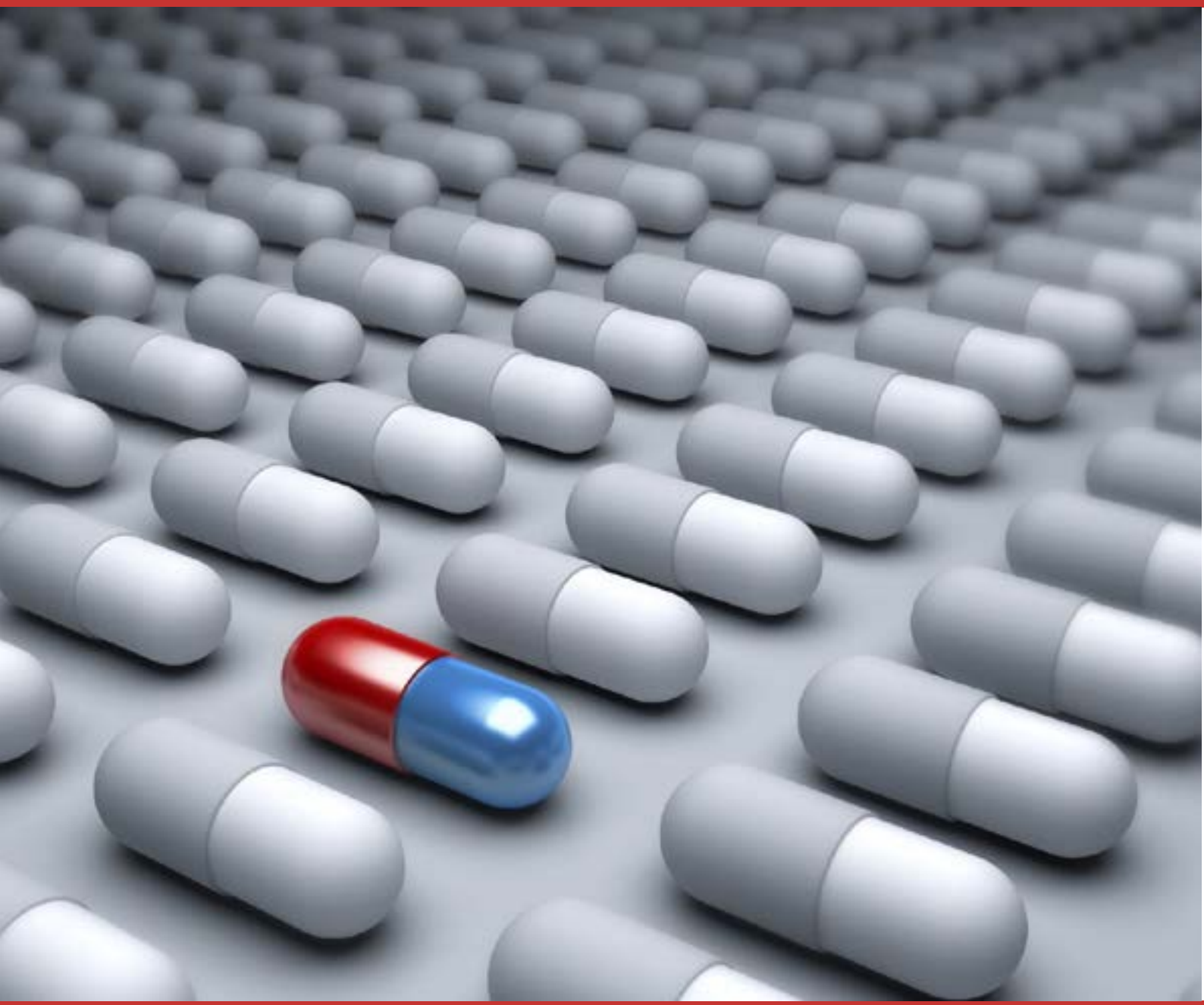
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742nd Conference

Scientific Program

2nd World Congress and Exhibition on

# Antibiotics and Antibiotic Resistance

October 13-15, 2016 Manchester, UK



**Hosting Organizations: Conference Series LLC**
2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA
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**Conference Series Ltd**
Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499
Email: antibiotics@conferenceseries.net

## Day 1 | October 13, 2016 | Thursday

**Registrations**

### Meeting room 105

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# 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 Akhter,** 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 resistence**

**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 | 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, Srilanka
**Title: Evaluation of biological activities of nine medicinal plants and isolation and identification of antimicrobial compound(s) from *Pomaria sandersonii* and *Alepidea amatymbica***
**Fanyana Mtunzi,** 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 resitance**
**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

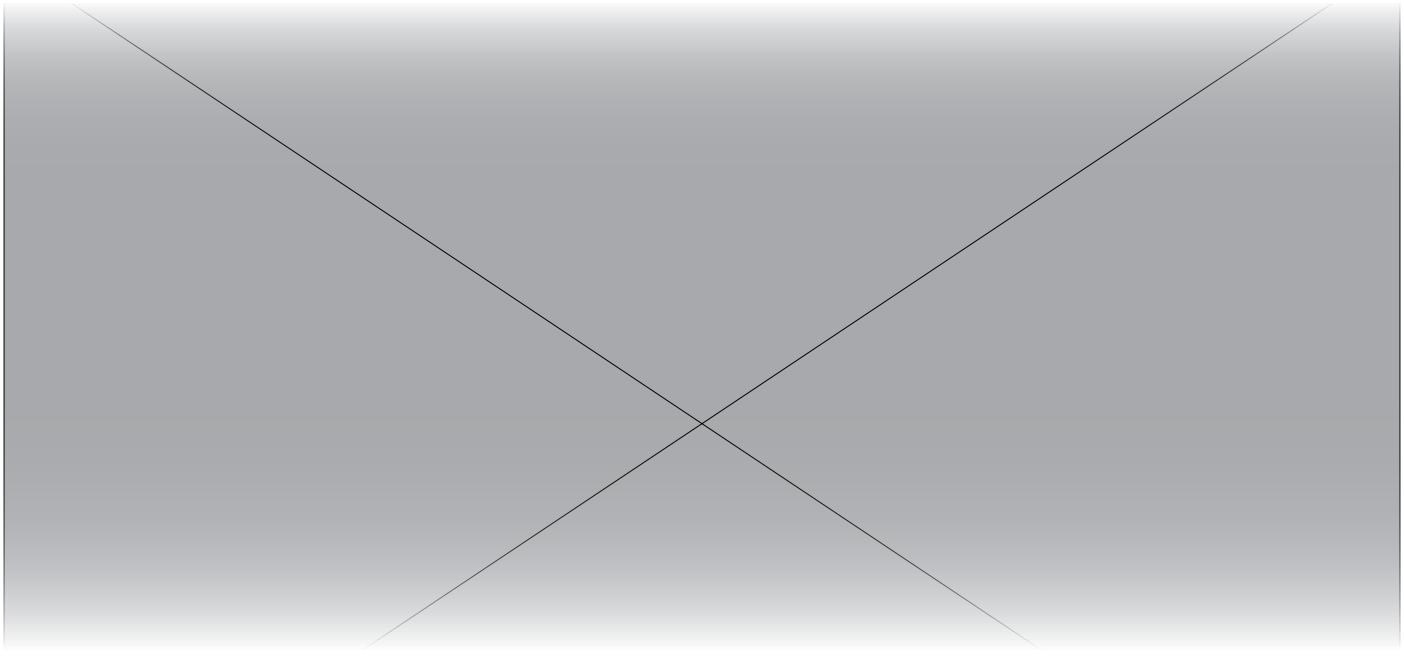
| | |
|---|---|
| ANTB004 | **Title: Silver nanoparticles as broad spectrum antibacterial agent**<br>**Ann Lok Yan So,** Hong Kong Polytechnic University, Hong Kong |
| ANTB005 | **Title: Effects of steroidal alkaloids from *Holarrhena antidysenterica* and conessine as efflux pump inhibitors against *Pseudomonas aeruginosa***<br>**Thanyaluck Siriyong,** Prince of Songkla University, Thailand |
| ANTB006 | **Title: Co-existence of blaOXA-23 with armA in quinolone-resistant acinetobacter baumannii from a Chinese university hospital**<br>**Baodong Ling,** Chengdu Medical College, China |
| ANTB007 | **Title: Riboswitch control of aminoglycoside antibiotic resistance**<br>**Xu Jia,** Fudan University, China |
| ANTB008 | **Title: Effect of local anesthetics on channel-forming activity of Gramicidin A**<br>**Anastasiia Zakharova,** Institute of Cytology of the Russian Academy of Sciences, Russia |
| ANTB009 | **Title: The anti-bacterial activity of minocycline against Methicillin Sensitive Staphylococcus Aureus (MSSA) and Methicillin Resistance Staphylococcus Aureus (MRSA)**<br>**Sitelbanat Yassin,** University of Gezira, Sudan |
| ANTB010 | **Title: Phytochemical and antimycobacterial activity of henna (*Lawsonia inermis L.*) extract, some phytoconstituents and their silver complex**<br>**Anwar Mohammed Abdelrahman Abdelhalim,** University of Gezira, Sudan |
| ANTB011 | **Title: Prevalence of *blaPER-1* and *blaVEB-1* genes among ESBL-producing *Acinetobacter baumannii* isolated from two hospitals of Tehran, Iran**<br>**Roxana M Ghanaie,** Shahid Beheshti University of Medical Sciences, Iran |

**Panel Discussions**

**Award Ceremony**

**Day 3 | October 15, 2016 | Saturday**

**B2B Meetings, Extended Networking and Lunch @ Foyer**



## Bookmark your dates

3rd World Congress on

# Antibiotics & Antibiotic Resistance

July 31-August 02, 2017 Milan, Italy

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Proceedings of

World Congress and Exhibition on

# Antibiotics

September 14-16, 2015 Las Vegas, USA




Exhibitor

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**Day 1** **September 14, 2015**

**Registrations**

**Riviera**

conferenceseries.com

# Opening Ceremony

## 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

Coffee Break @ Atrium

## 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

Session Introduction

**Glycopeptides revisited**
**Jon B Bruss,** Theravance Biopharma, USA

**Characterization of integrons and antimicrobial resistance genes in Gram-negative bacteria isolated from seafood in Japan: Identification of a novel β-lactamase-encoding gene, blaCMY-39**
**Tadashi Shimamoto,** Hiroshima University, Japan

**Group Photo**

Networking & Lunch Break @ Atrium

**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

Coffee Break @ Atrium

**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 $TiO_2$ 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

Cocktails

## 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

**Exclussive 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 Tracheaobronchitis: Now or Wait?**
**Yuxiu Lei,** Lahey Hospital & Medical Center, USA

Networking & Lunch Break @ Atrium

**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

**Poster Sessions & Award Ceremony**

Cocktails

## Day 3 September 16, 2015

## Riviera

Sessions:

- Modern antibiotics: Emerging trends, Barriers and Opportunities
- Antibiotics: Market Analysis & Business Opportunities
- Antibiotic Regulatory Affairs
- Antibiotics and Mechanism
- Drug Discovery and Novel Delivery Technologies

**Session Chair: Mario A Bianchet,** Johns Hopkins University School of Medicine, USA

Session Introduction

**Fluoroquinolones-A maligned class being re-discovered?**
**Glenn S Tillotson,** TranScrip Partners USA

***Mycobacterium tubercolosis* cell-wall biosynthesis as target of Carbapenems**
**Mario A Bianchet,** Johns Hopkins University School of Medicine, USA

Coffe Break: @ Atrium

**Biofilm Dispersing NO-Donor Cephalosporins Activated by b-Lactamase**
**Michael kelso,** University of Wollongong, Austarlia

**Anti-methicillin-resistant *Staphylococcus aureus* assay of azalomycin F and its derivatives**
**Ganjun Yuan,** Jiangxi Agricultural University, China

**Thiazole antibiotics against cancer**
**Andrei L Gartel,** University of Illinois, USA

**Use of Probiotics in Guinea Pigs (*Cavia porcelllus*)**
**Jorge Ernesto Guevara Vasquez,** National University Mayor de San Marcos – Lima-Perú

### Video Presentation

**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**
**Baló-Banga J M,** Medical Center of the Hungarian Defense Forces, Hungary

Networking & Lunch Break @ Atrium

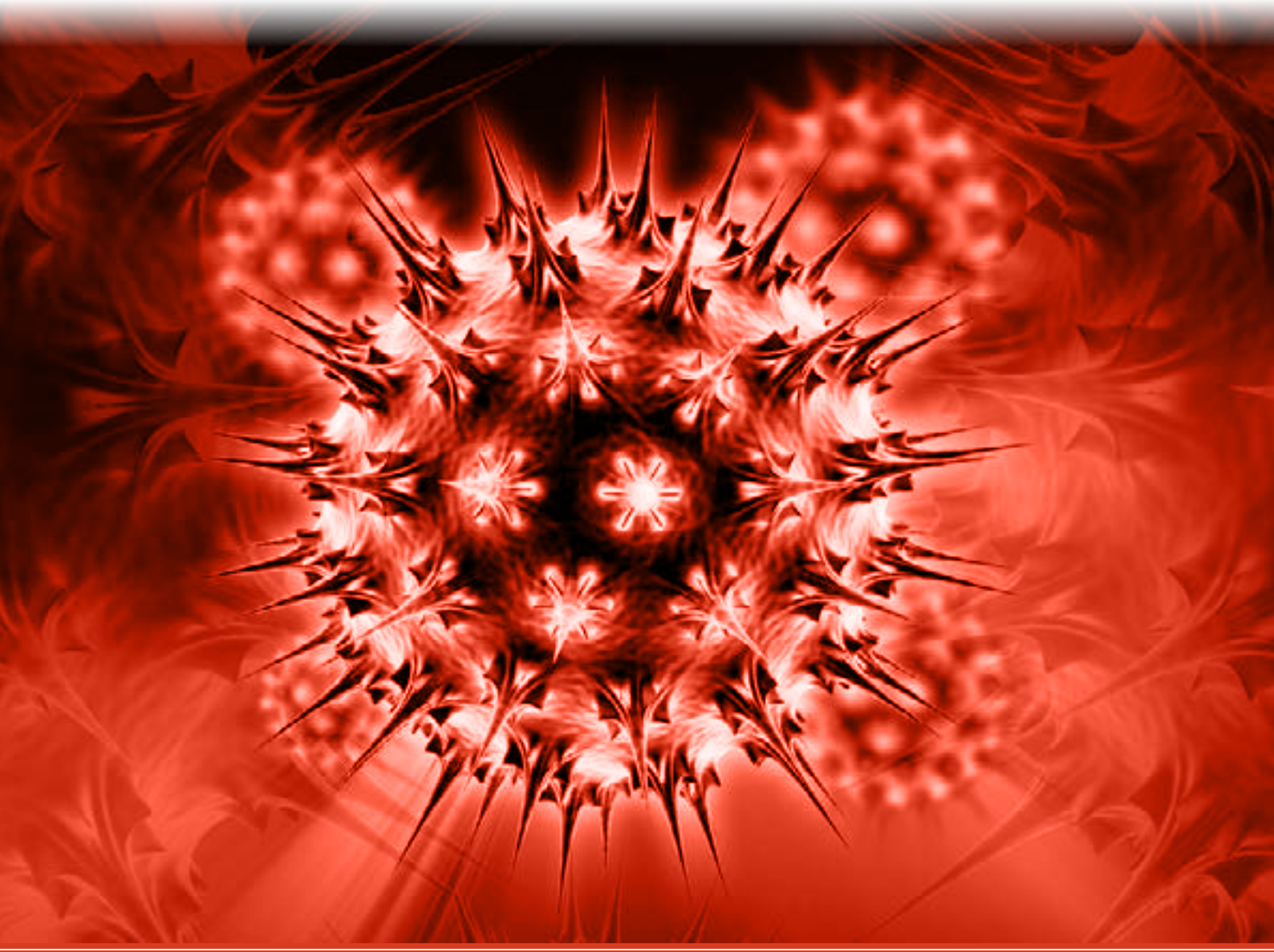
237th Conference Series LLC Conference

# Scientific Program

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## 2nd International Congress on
# Bacteriology & Infectious Diseases

November 17-19, 2014 DoubleTree by Hilton Hotel Chicago-North Shore, USA



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Email: *bacteriology2014@omicsgroup.org*

**Registrations**

**Versailles - B**

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# Opening Ceremony

## Keynote Forum

### Introduction


### Gregory A. Buck
Virginia Commonwealth University, USA

### Michael Y. Galperin
National Center for Biotechnology Information, USA

### Ed T Buurman
AstraZeneca, USA

### Massimo Cecaro
EIC, National Councilor of Italian Medical Press, Italy


**Group Photo**

**Coffee Break @ Versailles Foyer**

**Track 1: News in Bacterial Structure, Morphology & Metabolism**
**Track 2: Bacterial Pathogenesis, Virulence & Countermeasures**

**Session Chair: Phillip E. Klebba,** Kansas State University, USA
**Session Co-Chair: Abu Salim Mustafa,** Kuwait University, Kuwait

**Session Introduction**

**Title: Spectroscopic analyses of Gram-negative bacterial iron transport reactions**
**Phillip E. Klebba,** Kansas State University, USA
**Title: Diagnostic potentials of *M. tuberculosis*-specificproteins and peptides**
**Abu Salim Mustafa,** Kuwait University, Kuwait
**Title: A soluble auto assembling heptameric *Staphylococcus aureus* alpha-hemolysin as a vaccine candidat**
**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**
**Jingrang Lu,** US Environmental Protection Agency, USA
**Title: Crosstalk 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

**Lunch Break @ Monaco**

**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: Leprosy 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 folow-up of out- and in-patients under anti-tuberculous the rap**
**Zerihun Tesfaye,** Addis ababa University, Ethiopia
**Title: Phytochemical screening of the exudete 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

## Day 2 November 18, 2014

### Versailles - B

**Keynote Forum**

## 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

**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

Session Introduction

**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

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

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

Session Introduction

**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**
**Vjollca 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,** Niigata 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
**Title: The Effect of antimicrobial agents on shiga toxin 2 release in *Escherichia coli* O104:H4 and role of the SOS response**
**Ghassan M Matar,** American University of Beirut, Lebanon

**Coffee Break @ Versailles Foyer**

**Title: Qnr proteins: Structure and properties against quinolone inhibition of DNA gyrase**
**María 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**
**Rasha H. Bassyouni,** Fayoum University, Egypt
**Title: Towards anti virulence drugs targeting disulfide bond-forming enzyme DsbA**
**Prem Lakshmanane,** 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 pseudomalleiusing* 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 syringaepv*. maculicolagenome 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

B-014 **Title: Computer-assisted antibacterial drug design. Searching potential inhibitors of acetohydroxyacid synthase from methicillin resistant *Staphylococcus aureus***

**Alfredo Téllez-Valencia**, Juárez University of Durango State, México

B-015 **Title: Drug design against nosocomial infections. Homology modeling and Virtual screening in shikimate dehydrogenase from *Enterobacter cloacae* to find potential inhibitors.**

**Claudia Isela Avitia-Domínguez**, Juárez University of Durango State, México

**Poster Presentations @ Versailles Foyer**

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

B-016 **Title: Novel strategies for the development of heterologous protein production processes based on thepPOX2 promoter in the yeast Yarrowia lipolytica.**

**Hosni Sassi**, Free University of Brussels, Belgium

B-017 **Title: Identification and characterisation of *Staphylococcus aureus* isolated from nasal swabs obtained from patients and healthcare workers at a tertiary hospital in Nigeria**

**Aminat Oluwatoyin Adelowotan**, University of Pretoria, South Africa

B-018 **Title: Distinguish, identification and study of antibiotic resistance profile of Nosocomial infectious pathogens**

**Tea Koiava**, Shota Rustaveli State University, Georgia

B-019 **Title: Draft genome sequences and description new probiotic strain of *Lactobacillus rhamnosus* CLS17**

**Samat Kozhakhmetov**, The Center for Life Sciences Nazarbayev University, Republic of Kazakhstan

B-020 **Title: Beneficial effects of the new synbiotic dairy product nar on human beings**

**Zhanagul Khassenbekova**, The Center for Life Sciences Nazarbayev University, Republic of Kazakhstan

B-021 **Title: Synthesis of new fatty acid amides derivates of castor oil with antituberculosisactivity**

**Silvia Guzmán-Beltrán**, National Institute of Respiratory Diseases, Mexico

B-022 **Title: Nordihydroguaiaretic acid inhibits *Mycobacterium tuberculosis* survival in vitro and in infected human cell line**

**Martha Torres Rojas**, National Institute of Respiratory Diseases, Mexico

B-023 **Title: Antimicrobial susceptibility of *Staphylococci* isolated from small animals**

**Juan David Valencia Bacca**, University of Sao Paulo, Brazil

B-024 **Title: Search for adhesins-encoding genes in Staphylococcus spp. isolated from small animals**

**Juan David Valencia Bacca & Tatiana Jimenez Villegas**, University of Sao Paulo, Brazil

B-025 **Title: Mycobacterium tuberculosis**

**Yi Jiang**, National Institute of Communicable Disease Control & Prevention Chinese Center for Disease Control & Prevention, P. R. China

B-026 **Title: Bacterial phenylalanyl-tRNA synthetase as an antibacterial target**

**Ed T. Buurman**, AstraZeneca, USA

B-027 **Title: Malignant sinusitis causing cerebral septic thromboses**

**Sharon Joo**, University of Nevada, USA

B-028 **Title: Assessment of Genotoxicity of Imidacloprid to freshwater teleost Channa punctatus (Bloch) using Micronucleus assay and Comet assay**

**Padma Priya Balijepalli**, GITAM University, India

B-029 **Title: Phenotypic characterization of Enterobacteriaceae producing Extended-spectrum-β-lactamase from poultry in Brazil**

**Marita Vedovelli Cardozo**, Sao Paulo State University, Brazil

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## Day 3 November 19, 2014

## Versailles - B

**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

**Session Introduction**

**Title: CNS complications from acute sinusitis in children**
**Pisespong Patamasucon**, University of Nevada School of Medicine, USA
**Title: How To Handle a Superbug: Insights on diagnosis and treatment of methicillin-resistant *Staphylococcus aureus***
**Wanda C. Reygaert**, Oakland University, USA
**Title: Molecular typing of community acquired MRSA isolated from retail meats by spa typing PFGE and MLST**
**Mohamed K Fakhr**, The University of Tulsa, USA
**Title: Genome analysis of a salmon pathogen *Piscirickettsia salmonis* reveals insight into metabolism and pathogenesis**
**Alejandro Yañez**, Southern University of Chile, Chile
**Title: Single cell RNA seq reveals heterogeneity of *salmonella* and macrophage factors that control infection outcome**
**Roi Avraham**, Broad Institute of MIT and Harvard, USA

**Coffee Break @ Versailles Foyer**

**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

**Lunch Break @ Monaco**

**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 biomineralizationby 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

**Coffee Break @ Versailles Foyer**

**Closing Ceremony**