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

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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









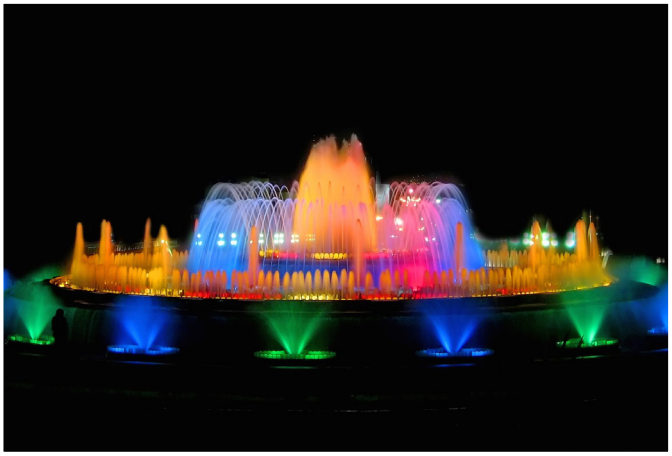




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Cathedral Santa Creu



Modernist buildings

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1079th Conference

Scientific Program

3rd World Congress and Exhibition on

Antibiotics and Antibiotic Resistance

July 31-August 01, 2017 Milan, Italy



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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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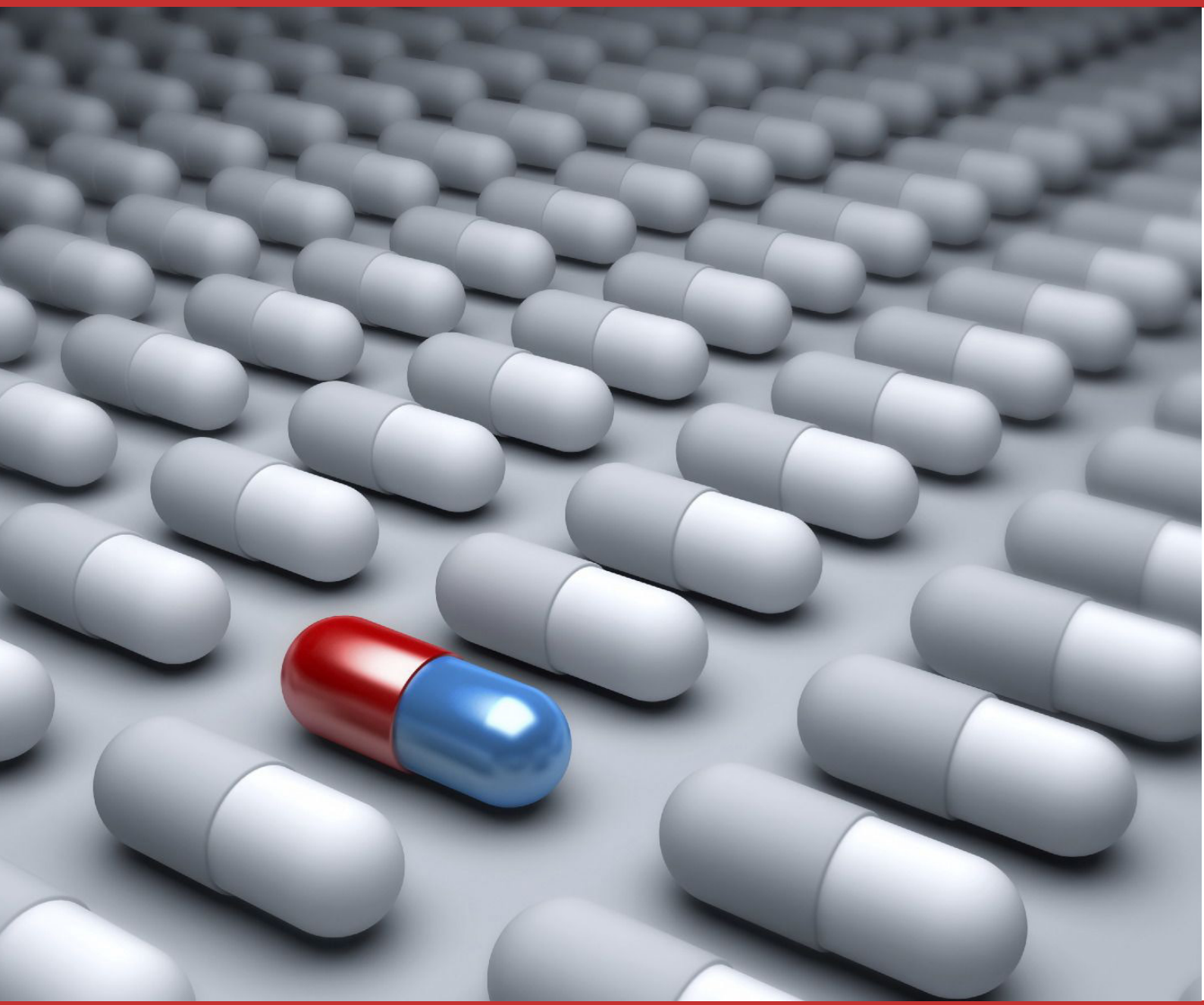
742nd Conference

Scientific Program

2nd World Congress and Exhibition on

Antibiotics and Antibiotic Resistance

October 13-15, 2016 Manchester, UK



Hosting Organizations:

UK: Conference Series llc LTD

47 Churchfield Road, London, W3 6AY, Tel: +1-800-216-6499

Email: antibiotics@conferenceseries.net

Day 1 | October 13, 2016 | Thursday

Registrations

Meeting room 105

conferenceseries.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 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** **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*** **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** **Baodong Ling,** Chengdu Medical College, China
ANTB007	**Title: Riboswitch control of aminoglycoside antibiotic resistance** **Xu Jia,** Fudan University, China
ANTB008	**Title: Effect of local anesthetics on channel-forming activity of Gramicidin A** **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)** **Sitelbanat Yassin,** University of Gezira, Sudan
ANTB010	**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
ANTB011	**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

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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September 2015 Volume 6, Issue 4
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Journal of Drug Metabolism & Toxicology

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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

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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

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 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

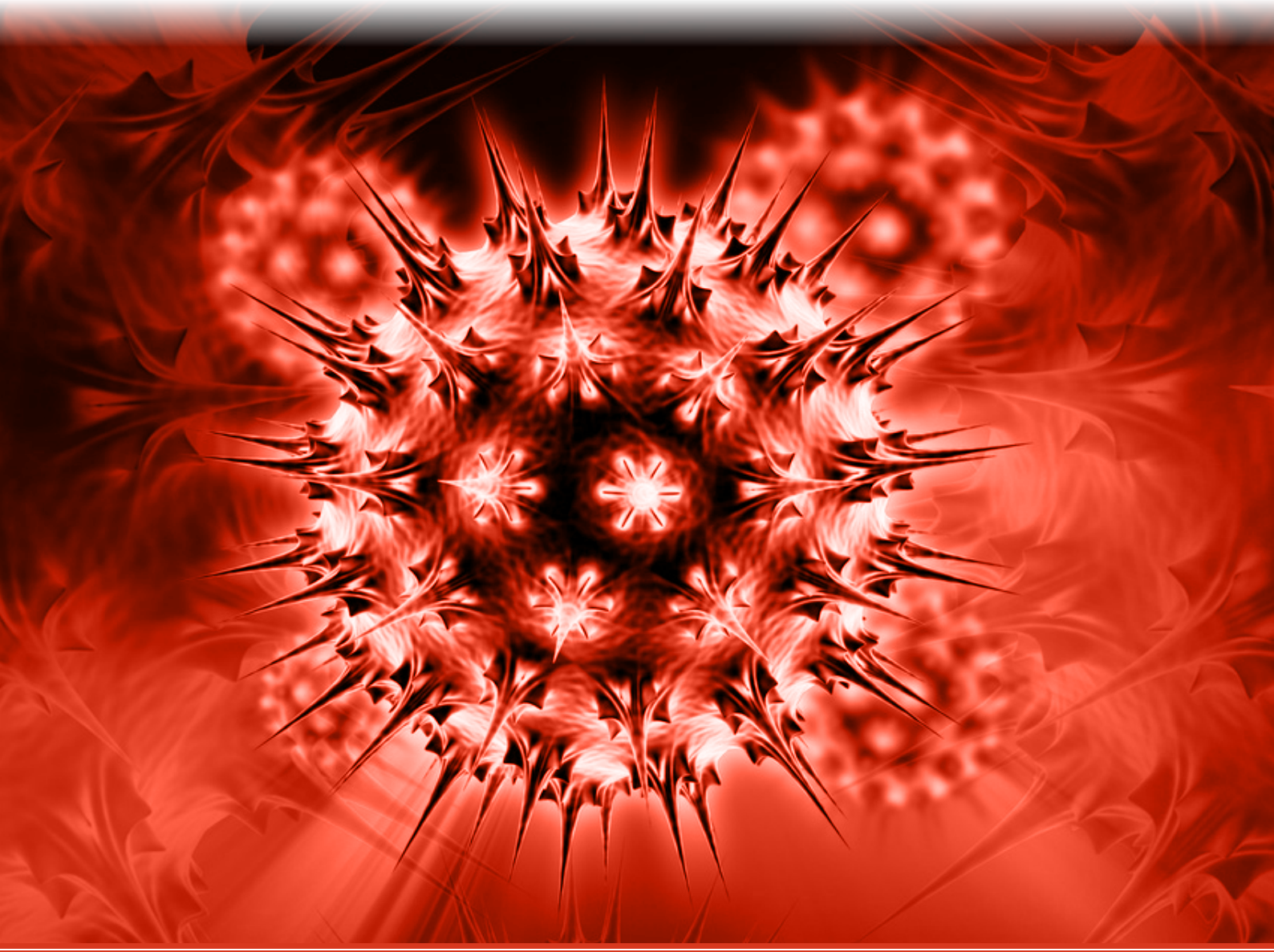
237th Conference Series

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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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

Cocktails Sponsored by Mycobacterial Diseases @ Versailles Foyer

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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