6th International Congress on

# Bacteriology & Infectious Diseases

May 21-22, 2018 New York, USA

Theme:

Exploring New Innovations and Frontiers in Bacteriology and Infectious Diseases



## Past 5 years Scientific Program

*Scientific Program*

International Congress on

# Bacteriology & Infectious Diseases

November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA



**Registrations**

# Opening Ceremony

## Keynote Forum

### Introduction

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

### Fernando Villalta
Meharry Medical College, USA

### Jean Pierre Changeux
Pasteur Institute, France

### Dennis J. Helfritch
U.S. Army Research Laboratory, USA

**Track 1: Bacterial Pathogenesis, Virulence & Countermeasures**

**Session Chair: Menachem Shoham,** Case Western Reserve University, USA
**Session Co-Chair: Abu Salim Mustafa,** Kuwait University, Kuwait

**Session Introduction**

**Title: Antivirulence agents against bacterial pathogens**
**Menachem Shoham,** Case Western Reserve University, USA
**Title: Towards a mechanistic understanding of the roles of HipA and HipB in bacterial multidrug tolerance and persistence**
**Richard G. Brennan,** Duke University School of Medicine, USA
**Title: From environment to man: is Aeromonas infection an accident or a stopover on the adaptation road?**
**Brigitte Lamy,** Montpellier University, France
**Title: Mycobacterial manipulation of the host innate immune response**
**Cory M. Robinson,** University of South Carolina, USA
**Title: A new paradigm for genus *Mycobacterium* population structure**
**Paul Jeffrey Freidlin,** The National Public Health Laboratory, Israel
**Title: *Stenotrophomonas maltophilia*: A world-wide emerging multiple-drug-resistant opportunistic pathogen**
**Joanna S. Brooke,** DePaul University, USA
**Title: Hydrogen-stimulated carbon catabolism in enteric pathogens *Salmonella* and *Shigella***
**Robert J. Maier,** University of Georgia, USA

**Title: FOXA2 inactivation by bacterial pathogens and excessive mucus in chronic airway diseases**
**Gee W Lau,** University of Illinois at Urbana Champaign, USA
**Title: Phenotypic and immunologic characteristics of Salmonella lacking RNA modification enzymes**
**Amin A Fadl,** University of Wisconsin Madison, USA
**Title: Physiological role of the mycobacterial pup proteasome**
**Eyal Gur,** Ben Gurion University of the Negev, Israel
**Title: Modulation of immunization via cholinergic nervous system using HI-6**
**Miroslav Pohanka,** University of Defense, Czech Republic
**Title: Identification and characterization of a putative mega polysaccharide gene cluster in *Enterococcus faecium***
**Turkan Sakinc,** University of Freiburg Medical Center, Germany
**Title: Carbon monoxide: A bactericidal molecule**
**B.Y.Chin,** Sun way University, Malaysia

**Title: Contribution of host thrombosis and fibrinolytic cascades to the pathogenesis of gram-positive infections**
**Peter Panizzi,** Auburn University, USA
**Title: Antibody orientation at bacterial surfaces has implications for both mild and severe infections**
**Pontus Nordenfelt,** Harvard University, USA
**Title: T-helper 1, T-helper 2, pro-inflammatory and anti-inflammatory cytokines in tuberculosis**
**Abu Salim Mustafa,** Kuwait University, Kuwait
**Title: Role of the polyscaccharide capsule in *Bordetella pertussis* virulence: A novel capsule-mediated virulence mechanism in a bacterial pathogen**
**Sylvie Alonso,** National University of Singapore, Singapore
**Title: The use of different laboratory methods in diagnosis of *Helicobacter pylori* infection a comparative study**
**Nermin H. Ibrahim,** King Saud University, Saudi Arabia
**Title: Acquired Immune Deficiency Syndrome (AIDS), Diabetes Mellitus and Tuberculosis; A challenging scenario**
**Amer Hayat Khan,** Universiti Sains Malaysia, Malaysia
**Title: Investigating the role of natural killer cells during *Mycobacterium tuberculosis* infection by using a mouse model of subcutaneous infection of Bacillus Calmette Guerin (BCG)**
**Min Fang,** CAS Key Laboratory, P.R.China

**Track 2: News in Bacterial Structure Morphology & Metabolism**
**Track 3: Natural Microbial Defenses & Host Immunity**
**Track 4: Plant-Microbe Symbiosis & Pathology**

**Session Chair: Jean Pierre Changeux,** Pasteur Institute, France
**Session Co-Chair: Antonio Molinaro,** European Carbohydrate Organization, Italy

**Session Introduction**

**Title: Microbial cell wall glycoconjugates as elicitors and suppressors of eukaryotic innate immunity**
**Antonio Molinaro,** European Carbohydrate Organization, Italy
**Title: Gut microbiota regulation of host cell response as revealed using functional metagenomics**
**Herve M. Blottiere,** INRA, France
**Title: Transmembrane signaling through a heme or hemophore receptor**
**Nadia Izadi Pruneyre,** Institut Pasteur, France
**Title: Intercellular and intracellular signaling systems of the rice pathogenic bacterium *Burkholderia glumae***
**Jong Hyun Ham,** Louisiana State University Agricultural Center, USA
**Title: Emerging Superbugs: Are ESBLs and CREs the new MRSA?**
**Wanda C. Reygaert,** Oakland University, USA
**Title: Myeloid KLF2 regulate host response to infection**
**Ganapati H. Mahabaleshwar,** Case Western Reserve University, USA

**Title: Understanding crosstalk between acidic phospholipids present in bacterial membranes and DnaA, the initiator of *Escherichia coli* chromosomal replication**
**Rahul Saxena,** Georgetown University Medical Center, USA
**Title: Genetic variation in *Clostridium botulinum* types of botulism in France**
**Michel R Popoff,** Institut Pasteur, France
**Title: Bacterial microbe associated molecular patterns (MAMPs) elicitors of plant innate immunity: Recognition and signal transduction in Arabidopsis**
**Mari Anne Newman,** University of Copenhagen, Denmark
**Title: Fluorescence labeling of proteins involved in pyoverdine dependent iron uptake pathway in *Pseudomonas aeruginosa***
**Laurent Guillon,** Strasbourg University, France

## Day 2 November 21, 2013

**Track 5: Multi-Pathogen Infections & Post-Infection Sequelea**
**Track 6: Epidemiology Emerging Infectious Diseases & Public Response Planning**
**Track 7: Medical Microbiology - From Benchtop to Clinic**

**Session Chair: John G Thomas,** West Virginia University, USA
**Session Co-Chair: Steven D. Goodman,** Nationwide Children's Hospital, USA

**Session Introduction**

**Title: New frontiers in bacteriology 2013: Biofilms , the international language of infectious diseases**
**John G Thomas,** West Virginia University, USA
**Title: The DNABII family of proteins: Diagnostic markers and therapeutic targets of bacterial biofilms**
**Steven D. Goodman,** Nationwide Children's Hospital, USA
**Title: Microbiological environment in the lower airway of the infants and young child with cystic fibrosis**
**Kathryn S Moffett,** West Virginia School of Medicine, USA
**Title: Fecal transplantation of patients with *Clostridium difficile* associated disease results in the complete replacement of original distal gut microbiota**
**Oleg Paliy,** Wright State University, USA
**Title: A chemical genetic approach to identifying essential functions in non-replicating *Mycobacterium tuberculosis***
**Sarah Schmidt Grant,** Brigham and Womens Hospital, USA
**Title: Two component systems and biofilm lifestyle in *Pseudomonas aeruginosa***
**Sophie de Bentzmann,** Aix Marseille University, France

**Title: Disseminated BCG itis in children with primary immunodeficiency**
**Daifulah ALZahrani,** King Abdulaziz Medical City, Saudi Arabia
**Title: Occurrence of feco oral and blood borne hepatitis virus infection among children in North India**
**Hitender Gautam,** Chacha Nehru Bal Chikitsalaya, India
**Title: Mycobacterial infection in the livestock and wildlife interface of Katavi Rukwa ecosystem, Tanzania**
**Makondo E. Zachariah,** Sokoine University of Agriculture, Tanzania
**Title: The risk factors for and effects of visceral leishmaniasis in graft and renal transplant recipients**
**Avelar Alves Da Silva,** Federal University of Paul, Brazil
**Title: An epidemic of *Aeromonas hydrophila* in catfish: Has an emerging bacterial pathogen been introduced via invasive carp?**
**Mohammad J. Hossain,** Auburn University, USA

**Title: Treatment of cutaneous leishmaniasis by topical application of honey**
**Mahasen Wadi,** King Saud University, Saudi Arabia
**Title: Ethyl alcohol metabolism by oral *Streptococcus sp.* produces adherence, HPV16 entry and malignant phenotype changes in oral keratinocytes**
**Joel Schwartz,** University of Illinois, USA
**Title: Ribosome recycling is catalyzed by RRF which moves inter-subunits space like tRNA using the energy of GTP**
**Akira Kaji,** University of Pennsylvania, USA
**Title: Autophagy mediated clearance of *Burkholderia cenocepacia* in cystic fibrosis**
**Benjamin T Kopp,** Nationwide Childrens Hospital, USA
**Title: Neurological complications to botulinum toxin A therapy**
**Anna Hristova,** Institute for Future Sciences and Medicine, USA

**Title: Does the companion diagnostics approach work for antibiotics?**
**Philip Onigman,** Grand Street Consulting, USA
**Title: Hygiene practices adopted by meat sellers in Owerri municipal local government area, Imo State, Nigeria**
**Inikori Ogechi Rosemary,** Imo State University Owerri,Nigeria
**Title: Bacterial ureases and its role in long lasting human diseases**
**Wieslaw Kaca,** Jan Kochanowski University, Poland
**Title: The Th17 response triggered by *Helicobacter pylori* involves the cytokine BAFF**
**Marina de Bernard,** University of Padova, Italy

## Day 3 November 22, 2013

**Track 8: Animal Modeling and Veterinary Bacteriology**
**Track 9: Advances in Antimicrobials Vaccines & Therapeutics**
**Track 10: Microbial Genomics Systems Biology and Bioinformatics**
**Track 11: Industrial and Applied Bacteriology**

**Session Chair: Jacques H. Grosset,** Johns Hopkins University School of Medicine, USA
**Session Co-Chair: Jay H. Bream,** Johns Hopkins Bloomberg School of Public Health, USA

**Session Introduction**

**Title: From the past to the future: Clofazimine in the treatment of MDR-TB**
**Jacques H. Grosset,** Johns Hopkins University School of Medicine, USA
**Title: *Helicobacter*-induced colitis is reversed in "humanized" IL-10 transgenic mice**
**Jay H. Bream,** Johns Hopkins Bloomberg School of Public Health, USA
**Title: Appraisal of the current methicillin resistant *Staphylococcus aureus* (MRSA) treatment: Pharmacokinetic and pharmacodynamic approach**
**Ayman M. Noreddin,** Hampton University, USA
**Title: Development of ELISA and real time PCR for the diagnosis of strangles in horses**
**Sergey C. Artiushin,** University of Kentucky, USA
**Title: *Staphylococcus aureus* and ruminant mastitis: Staphylococcal factors involved in the infection acuteness and ecological factors modulating virulence expression in the mammary context**
**Yves Le Loir,** French National Institute for Agricultural Research, France

**Title: Isolation of toxigenic *Clostridium difficile* from raw bovine milk and the environment: a risk for public health?**
**Vincenza Romano,** Parthenope University, Italy
**Title: Within host infection dynamics in bacterial immunology and vaccine development**
**Pietro Mastroeni,** University of Cambridge, United Kingdom
**Title: Development of vaccines to control chlamydial infection and disease : Are we making any progress ?**
**Peter Timms,** Queensland University of Technology, Australia
**Title: Bacteriophage therapy against antibiotic resistant bacterial infections**
**Mzia Kutateladze,** G. Eliava Institute, Georgia
**Title: Antimicrobial peptides as novel alternative agents for treatment of infectious diseases**
**Margit Mahlapuu,** Pergamum AB, Sweden
**Title: Structural and functional investigation of MexA/MexB/OprM, a multidrug efflux pump from *Pseudomonas aeruginosa***
**Martin Picard,** Universite Paris Descartes, France

**Title: New face of an old drug: Celecoxib as an antibacterial agent**
**Arunasree M. Kalle,** University of Hyderabad, India
**Title: Surveillance and stewardship: Sense and sensibility**
**Yogandree Ramsamy,** University of KwaZulu Natal, South Africa
**Title: Genome characteristics of a *Campylobacter jejuni* 63A isolated from california gull excreta**
**Jingrang Lu,** SU.S. EPA National Exposure Research Laboratory, USA
**Title: Impact of next generation sequencing formats on microbial genomics**
**Manohar R. Furtado,** Biology for Global Good Consulting, USA
**Title: A bacteria strain as a model for screening the antitumor materials**
**Xin Mingxiu,** Beijing Normal University, P. R. China
**Title: Antimicrobial activity of a newly synthesized methylsulfanyl-triazoloquinazoline derivatives**
**Rashad Al-Salahi,** King Saud University, Saudi Arabia
**Title: New paradigm in treatment of biofilm-associated infections: Applications to *Pseudomonas aeruginosa* as a biofilm model organism**
**Walid F. Elkhatib,** Hampton University, USA

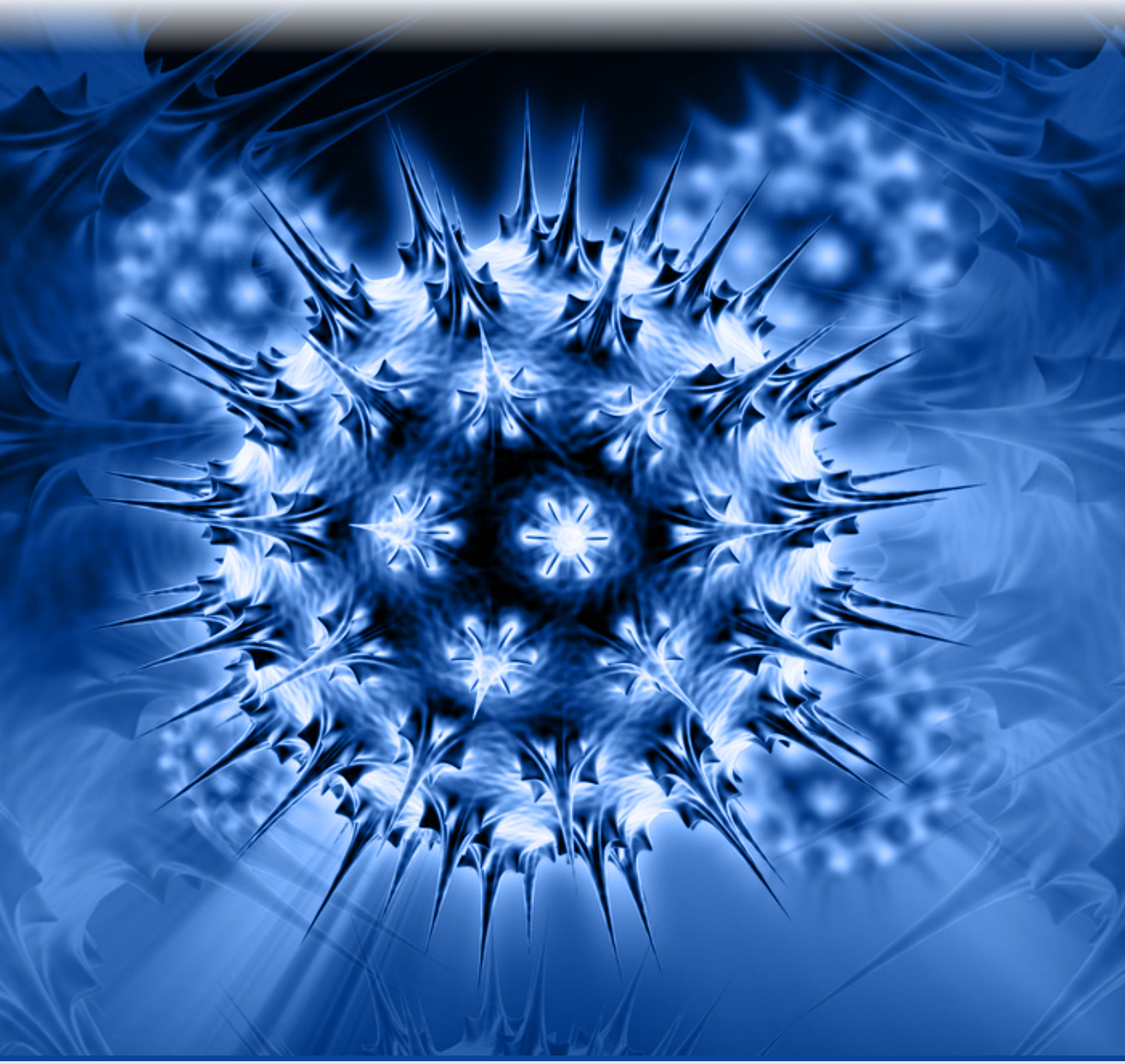
**Award Ceremony**

# *Scientific Program*

## 2nd International Congress on

# Bacteriology & Infectious Diseases

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



**Registrations**

# 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**

**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

**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

**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

## Day 2 November 18, 2014

### Keynote Forum

**Introduction**

**Stephen Hanessian**
University of Montreal, Canada

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

**Akira Kaji**
University of Pennsylvania, USA

**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

## 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

**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

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

**Title: Multi-locus sequence typing of *Campylobacter jejuni* using a novel Polymerase-Chain-Reaction-Microsphere method**

**Ross T. Barnard,** The University of Queensland, Australia

**Title: The effect of lowering *S. pneumoniae* MIC: Penicillin/Ampicillin live on as treatment for Pneumonia**

**Jennifer Bowes,** University of Ottawa, Canada

**Title: The effect of flavonoids from Malaysian propolis in regulating enterococcus faecalis biofilm virulent gene expressions**

**Amalraj Fabian Davamani,** International Medical University, Malaysia

**Title: The effect of mycobacterium vaccae on ultrasonic vocalizations of male mice during anxiety-provoking situations**

**Dorothy Matthews,** The Sage Colleges, USA

**Title: Characterising the host response of Balb/c mice to *Burkholderia pseudomalleiusing* RNASeq**

**Jonathan David,** Biomedical Sciences, UK

**Title: Understanding the mechanisms underlying bacterial bio-flocculant production**

**Arinze Okoli,** GenØK-Centre for Biosafety, Norway

**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

**Title: Characterization of bioflocculant produced by actinobacterium sp. mayor**

**Leonard Mabinya**, University of Fort Hare, South Africa

**Title: Motif search-aided screening of the *Pseudomonas syringaepv*. maculicolagenome for genes encoding tertiary alcohol ester hydrolases**

**Maruping Mangena**, University of Johannesburg, South Africa

**Title: Effects of DNA size on cell transfection**

**Benjamin Hornstein**, Baylor College of Medicine, USA

**Title: Varicella-zoster meningitis with a late-onset of skin eruption: a case report**

**Sikarin Upala**, Bassett Medical Center, USA

**Title: Candidate gene approaches reveal new target pathways for treating antibiotic-resistant gram-negative bacterial infections**

**Zachary C. Conley**, Baylor College of Medicine, USA

**Title: Optimizing a strategy for molecular identification of species from Mycobacterium avium-intracellulare complex**

**Dechassa Terefe Lemu**, Haramaya University College of Veterinary Medicine, Ethiopia

**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

**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

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

**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

**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

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

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

**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

**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

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

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

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

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

**Title: Antimicrobial susceptibility of *Staphylococci* isolated from small animals**

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

**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

**Title: Mycobacterium tuberculosis**

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

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

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

**Title: Malignant sinusitis causing cerebral septic thromboses**

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

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

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

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

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

## Day 3 November 19, 2014

**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

**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 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

## Closing Ceremony

*Scientific Program*

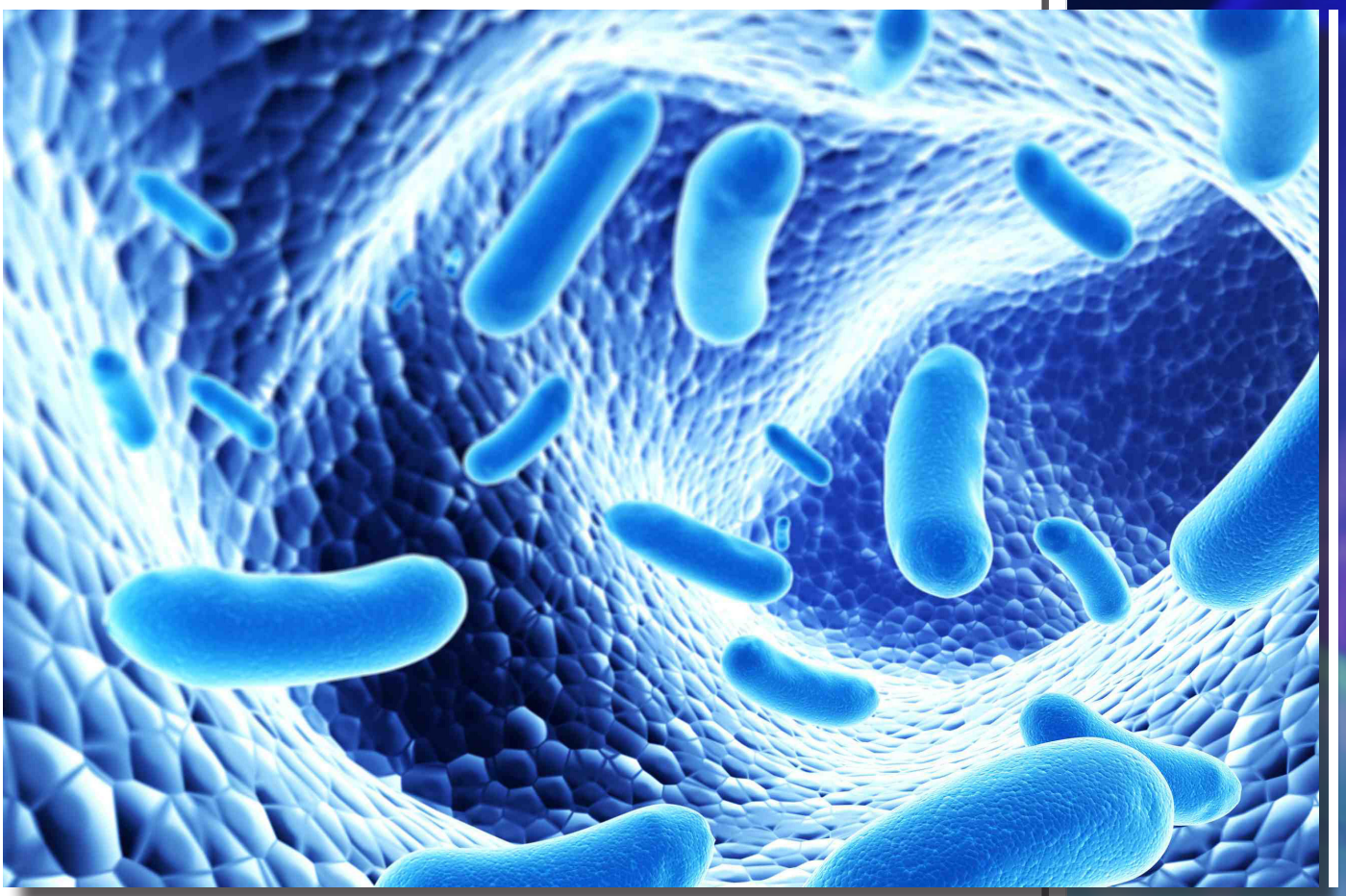
Bacteriology-2015

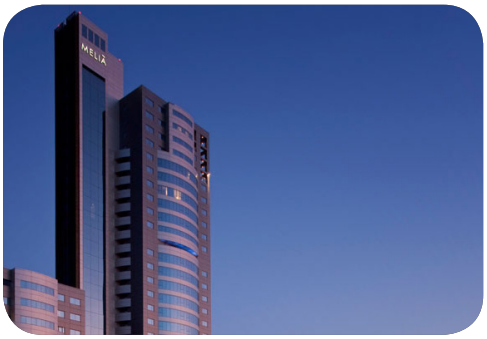
3rd International Congress on

# Bacteriology and Infectious Diseases

August 04-06, 2015 Valencia, Spain

*Current innovations & Advancement against Bacterial Infection and Therapeutics*






**Meliá Valencia**
**Avenida Cortes Valencianas 52**
**Valencia 46015**
**Spain**

Registrations

# Opening Ceremony

## Keynote Forum

### Introduction

**A proposed new selective growth medium for the isolation of enteroaggregative shiga-toxigenic strains of the emerging pathogen Escherichia coli O104:H4**
**Kei Amemiya,** US Army Medical Research Institute for Infectious Diseases, USA

**Stress response in Mycobacteria: Cell shape and survival**
**Leif A. Kirsebom,** Uppsala University, Sweden

**In vivo studies with overlapping ORF junction reveal that the major function of RRF (ribosome recycling factor) is to release ribosomes from the termination codon of post-termination complex**
**Akira Kaji,** University of Pennsylvania, USA

**Group Photo**

**Track 1: Bacterial Pathogenesis, Virulence and Counter measures**
**Track 2: News in Harmful Bacteria**
**Track 3: Immune Defence against Bacterial Pathogens: Innate and Adaptive Immunity**
**Track 4: Plant-Microbe Symbiosis and Pathology**

**Session Chair: Leif A. Kirsebom,** Uppsala University, Sweden

**Session Co-chair: Kei Amemiya,** US Army Medical Research Institute for Infectious Diseases, USA

**Session Introduction**

**Title: Novel urease inhibitors for the control of ureolytic microbial pathogens**
**Agnieszka Grabowiecka,** Wrocław University of Technology, Poland

**Title: *Aeromonas salmonicida* proliferation and quorum sensing in response to mucins isolated from Atlantic salmon skin and intestine**
**János Tamás Padra,** University of Gothenburg, Sweden

**Title: The role of *Candida albicans* in the activation of TLR-also been other ideas where mechanisms of innate immunity**
**Svitich Oxana A,** Pirogov Russian National Research Medical University, Russia

**Title: Antimicrobial susceptibility pattern of *Staphylococcus Aureus* isolates from orthopaedic patients in Abuth, Zaria**
**Josiah Ademola Onaolapo,** Ahmadu Bello University, Nigeria

**Title: Acceptability of Azithromycin Mass Treatment for Trachoma Elimination in Injibara Town and Adjacent Banja Woreda of Awi Zone, Amhara Region**
**Zelalem Tilahun,** Addis Ababa University, Ethiopia

**Title: Isolation and Identification of potential PAH degrading Bacterial Species from the Diep- and Plankenburg Rivers, Western Cape, South Africa**
**Vanessa Jackson,** Cape Peninsula University of Technology, South Africa

**Title: Antibiotic and Disinfectant Resistance of *Salmonella* from Retail Meats in China**
**Likou Zou,** Sichuan Agricultural University, China

**Title: Microbial pollutants in stagnant water in an informal settlement in the Western Cape, South Africa**
**Arnelia N. Paulse,** Cape Peninsula University of Technology, South Africa

**Title: Effect of Ciprofloxacin and Levofloxacin, alone or in combination with N-acetylcysteine on Biofilm-producing *Enterococcus faecalis*–Contaminated Root Canals of extracted human teeth**
**Rashid Ramazanzadeh,** Kurdistan University of Medical Sciences, Iran

**Title: Interactions of plant pathogenic bacteria and plant growth promoting rhizobacteria with plant parasitic nematodes**
**Zaki A Siddiqui,** Aligarh Muslim University, India

**Title: Biomedical applications of Laser induced breakdown spectroscopy in Bacterial identification**
**J.O. Caceres,** Universidad Complutense, Spain

**Title: Characterization and biocontrol potent of *Streptomyces sp.* isolated from the rhizosphere of saharien Legume in Algeria**
**Ghadbane Mouloud,** University Ferhat Abbas Setif, Algeria

**Title: Diversity, Bioactivity, and Secondary Metabolite profiles of bacteria isolated from different tissue of the Mollusk Gastropod *Truncatella sp.***
**Malem Flores,** University of the Philippines, Philippines

**Title: Host-*Helicobacter* interactions in the mucus niche**
**Médea Padra,** University of Gothenburg, Sweden

**Title: Extreme antibiotic resistant *Acinetobacter baumannii*-related Pneumonia in a regional hospital**
**Enayatollah Kalantar,** Alborz University of Medical Sciences, Iran

**Title: Occurrence of *Vibrio cholerae* in fish and water from a reservoir and a neighboring channel in Ouagadougou, Burkina Faso**
**Oumar Traore,** National Laboratory of Public Health, Burkina Faso

**Title: Immune responses to *Mycobacterium avium* infection and the role of MAPK pathway in regulation of signal transduction during the infection**
**Mohammed Shukur,** University of Nottingham, United Kingdom

**Title: Bacteriology & chemical analysis of Sulfur spring water in I Al-Qurayyat city**
**Meshref A. Al-ruwaili,** Al-Jouf University, Saudi Arabia

**Title: Assessment of Bacteriological contamination of groundwater used for drinking in Zolozolo, Nkhorongo and Ndirande Townships in Blantyre and Mzuzu Cities**
**John F. Kamanula,** Mzuzu University, Malawi

**Title: Antibacterial properties of new bacterium isolated from date palm leaves affected by the brittle leaf disease**
**Mouna Jrad,** University of Sfax, Tunisia

**Title: Recombination in the substrate recognition domain of TcdB confers a variant glucosyltransferase activity and a distinctive cytopathic effect to a *Clostridium* difficile strain from the hypervirulent clade II**
**Quesada-Gómez C,** Universidad de Costa Rica, Costa Rica

**Panel Discussion**

## Day 2 August 05, 2015

**Keynote**

### Introduction

### Keynote Speech

**Track 5: Clinical Aspects of Bacterial Infections**
**Track 6: Epidemiology, Emerging Infectious Diseases and Public Response Planning**
**Track 7: Medical Microbiology - From Benchtop to Clinic**

**Session Chair: Ashraf M. Ahmed,** King Saud University, Saudi Arabia

**Session Co-chair: Antonio Fasanella,** Anthrax Reference Centre of Italy, Italy

**Session Introduction**

**Title: Bacterial challenge in the control measures of mosquito-borne diseases: The battle against mosquito vectors**
**Ashraf M. Ahmed,** King Saud University, Saudi Arabia

**Title: Bacillus anthracis strains circulating in Albania**
**Emanuele Campese & Antonio Fasanella,** Anthrax Reference Centre of Italy, Italy

**Title: The parental use of antibiotics in children in Saudi Arabia**
**Arwa Alumran,** Queensland University of Technology, Australia

**Title: Prevalence of Diabetes type-2 & Pulmonary Tuberculosis among Filipinos and Treatment outcomes: A surveillance study in Eastern Saudi Arabia**
**Liaqat Ali Chaudhry,** Chairman Internal Medicine, Saudi Arabia

**Title: Bacterial infections and emerging resistance in renal transplant recipients**
**Inam Danish,** Armed Forces Medical College, India

**Title: Antibacterial activity of Sudanese bee honey: Laboratory and Clinical Evaluation**
**Mahasin Wadi,** Dar ALuloom University, Saudi Arabia

**Title: Profile of viral hepatitis in Saudi Arabia**
**Abdullah Bin Salamah,** King Saud University college of Medicine, Saudi Arabia

**Title: Low serum vitamin D in North Indian multi-drug resistant pulmonary tuberculosis patients: the role of diet and sunlight**
**Jaishriram Rathored,** Aix-Marseille University, France

**Title: Multiresistant Elizabethkingia *Meningoseptica* infections in tertiary care**
**Inam Danish,** Armed Forces Medical College, India

**Title: Knowledge, attitudes and practice of primary healthcare physicians concerning the occupational risks of hepatitis B virus in Al Jouf Province, Saudi Arabia**
**Ahmad Homoud Al-Hazmi,** AL Jouf University, Saudi Arabia

**Title: Association of genetic polymorphism of the DNA base excision repair gene (APE-1 Asp/148 Glu) and HPV type (16/18) with the risk of cervix cancer in north Indian population**
**M.Shekari,** Hormozgan University of Medical Science, Iran

**Title: Yellow Fever Outbreak in Obomeng, Ghana- December, 2013**
**Joseph K .L Opare,** School of Public Health, Ghana

**Title: Modeling the Nigerian Public Health Care Competencies in Developing Responsive Public Health Care Systems in Early Filovirus (Ebola) Outbreaks in Developing Africa.**
**Augustine Omena Akeni,** University of Benin, Nigeria

**Title: Incidence of human rabies exposure and associated factors at Gondar Health Center, Ethiopia: a three-years retrospective study**
**Meseret Yibrah Yeebio,** University of Gondar, Ethiopia

**Title: Dissemination of IncF-type plasmids in multiresistant CTX-M-15-producing *Enterobacteriaceae* isolates from surgical-site infections in Bangui, Central African Republic (CAR)**
**Thierry Frank,** Institut Pasteur de Bangui, Central African Republic

**Poster Presentations**

**Panel Discussion**

## Day 3 August 06, 2015

## Introduction

**Track 8: Animal Bacterial Diseases**
**Track 9: Advances in Antimicrobials, Vaccines and Therapeutics**
**Track 10: Diagnostic Pathology of Infectious Disease**

**Session Chair: Promod Mehta,** Maharshi Dayanand University, India

**Session Co-chair: Tony Velkov,** Monash University, Australia

**Session Introduction**

**Title: Comparing several gene targets of *Mycobacterium Tuberculosis* for designing Multiplex-PCR: Its implications for diagnosis of Extra Pulmonary Tuberculosis**
**Promod Mehta,** Maharshi Dayanand University, India

**Title: Development of novel antimicrobial lipopeptides against MDR Gram-negative 'superbugs'**
**Tony Velkov,** Monash University, Australia

**Title: New Antibacterial agents against Gram-negative Pathogens from a Fundacion MEDINA's microbial natural products collection screening**
**C. Diaz,** Fundación MEDINA, Spain

**Title: Impact of putative Bacterocins against multidrug resistant clinical isolates**
**Samyyia Abrar,** University of the Punjab, Pakistan

**Title: Amplification, cloning and expression of *Brucella melitensis* bp26 gene (OMP28) isolated from Markazi province (Iran) and purification of Bp26 Protein**
**Seyed Davood,** Razi vaccine & Serum Research institute, Iran

**Title: Serum trace elements in active Pulmonary Tuberculosis by atomic absorption spectrophotometer**
**Zainab Manzoor Memon,** Liaquat University of Medical & Health Sciences, Pakistan

**Title: Comparison for encapsulated gentamicin efficiency within different neutral and negative charged liposomal formulations for treating pathogenic lung bacteria**
**Majed A. Majrashi,** King Abdulaziz city for Science and Technology, Saudi Arabia

**Title: Antibiogram of *Salmonella serotype* Typhi and *Paratyphi* isolated from patients suspected of Enteric fever**
**Mahendra Maharjan,** Tribhuvan University, Nepal

**Title: Antimicrobial peptide novicidin synergises with rifampicin, ceftriaxone and ceftazidime against antibiotic-resistant Gram-negative Enterobacteriaceae in vitro**
**Yanmin Hu, St George's,** University of London, United Kingdom

**Title: Effective protection by high efficiency bicistronic DNA vaccine against anthrax expressing protective antigen and catalytically inactivated lethal factor**
**Bincy Joseph,** College of Veterinary and Animal sciences, India

**Title: Common non-steroidal anti-inflammatory drugs (NSAIDs) in the fight against tuberculosis (TB)**
**Sanjib Bhakta,** University of London, United Kingdom

**Title: Antimicrobial Activity of The Saponin Extract of Sansevieria trifasciata var. Golden Hahnii**
**Whika Febria Dewatisari,** Universitas Terbuka, Indonesia

**Title: A Descriptive Analysis of Nontuberculous Mycobacterial Infections (NTM) of the Upper Extremity**
**Moataz AlKnawy,** Division of Infectious Diseases, Mayo Clinic, USA

**Title: Novel approach to investigate *syphilis* pathogenesis, a neglected but devastating infectious disease**
**Nikhat Parveen,** Rutgers New Jersey Medical School, USA

**Title: DENV3 envelope protein of Dengue Virus: A potential target for the vaccine designing**
**Arun G Ingale,** North Maharashtra University, India

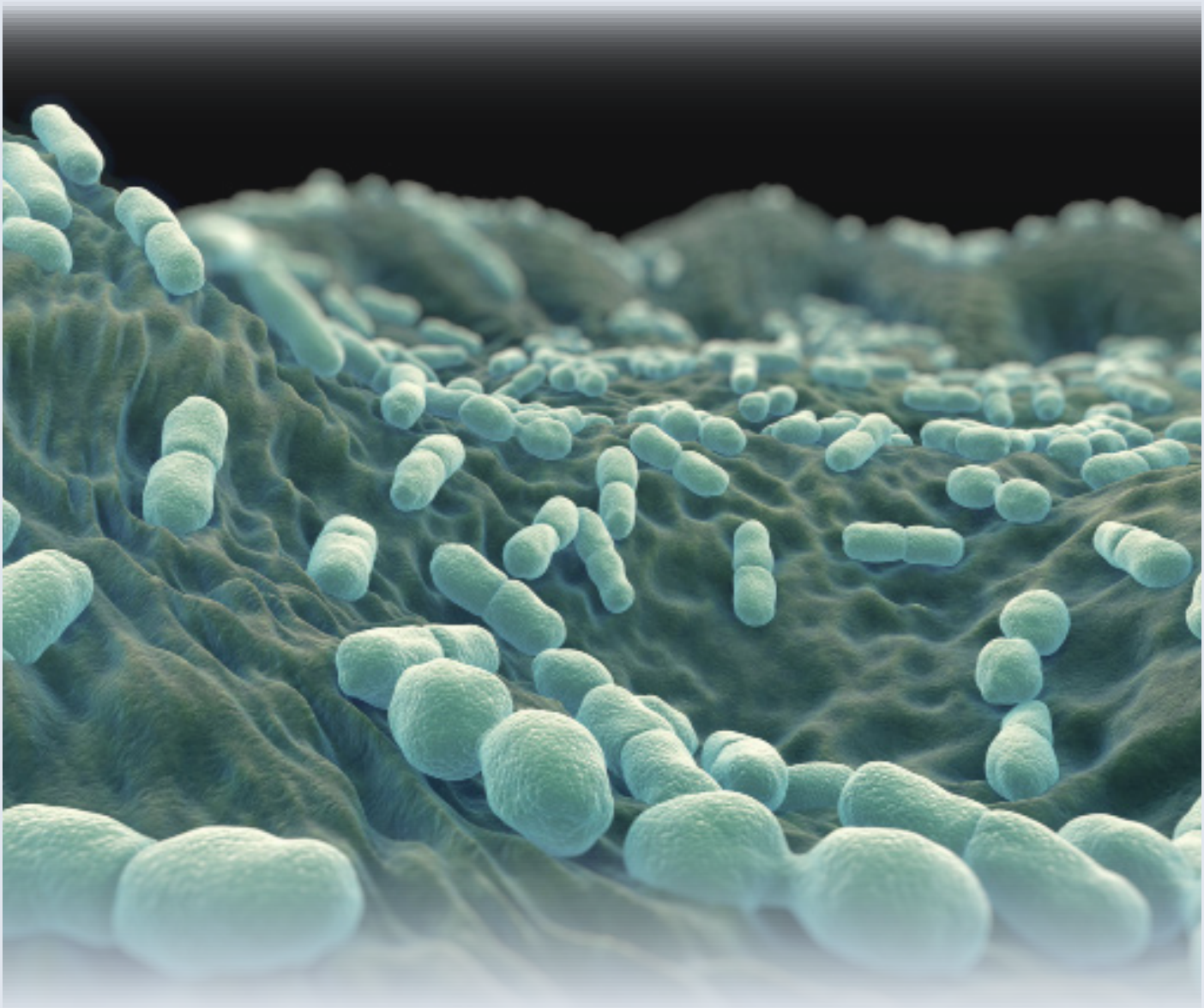
**Title: Accuracy of the Kato-Katz method in diagnosis of the diagnosis of *S. Mansoni* and soil transmitted Helminths infection in Zimbabwe**
**Nyandoro George,** University of Zimbabwe, Zimbabwe

**Title: Investigation and molecular typing of *Brucella* isolated from dairy cattle herd immunized with Brucella abortus RB51 vaccine in Egypt**
**Gamal Wareth,** Institute of Bacterial Infections and Zoonoses, Germany

**Title: Cloning, sequencing, expression, and purification of *Staphylococcus* simulans lysostaphin enzyme gene**
**Hossein Vazini,** Islamic Azad University, Iran

**Title: Unraveling the mechanistic details underlying the antimicrobial and antibiofilm activity of metal compounds**
**Joe A. Lemire,** University of Calgary, USA

## Poster Presentations
## Panel Discussions



## Media Partners

antibodies-online.com
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Microbiology Conferences
Technology Networks.com Scientific Communities
Labhoo.com lab & life science company directory
Frontiers in Anti-Infective Drug Discovery Volume 3 Bentham Books www.ebooks.benthamscience.com

*Scientific Program*

4th International Congress on

# Bacteriology and Infectious Diseases

May 16-18, 2016 San Antonio, USA



# Scientific Program

**Day 1** **May 16, 2016**

**Registrations**

# Opening Ceremony

## Keynote Forum

**Introduction**

**Title: Extending the gut-brain axis: the curious case of *Helicobacter pylori***
**Steven R Blanke,** University of Illinois, USA

**Title: The vaginal microbiome during pregnancy, what do we know?**
**George L. Mendz,** The University of Notre Dame, Australia

**Title: New non-synthetic antibacterial agents challenging the active and persistent forms of *Borrelia ssp.***
**Anna Goc,** Dr. Rath Research Institute BV, USA

## Sessions

**Track 1: Bacterial Morphology and Metabolism**
**Track 2: Bacterial Clinical Studies**
**Track 4: Emerging Infectious Diseases**
**Track 5: Bacterial Pathogenesis**
**Track 10: Microbial Genomics**
**Track 11: Industrial and Applied Bacteriology**

**Session Chair: George L. Mendz,** The University of Notre Dame, Australia

**Session Co-Chair: Steven R Blanke,** University of Illinois, USA

**Session Introduction**

**Title: Mutans *Streptococci* genomic sequencing: Potential applications for precision medicine to prevent tooth decay**

**Ling Zhan, University of California, USA**

**Title: Hydrocarbon-omics of bacterial appendages for controlling their pathogenic activities**

**Yan-Yeung Luk, Syracuse University, USA**

**Title: Quality of life among leprosy affected persons – A study in a rural block in Tamilnadu, India**

**G. Dinesh Kumar, SRM University, India**

**Title: Molecular study on *Streptococcus pneumoniae* isolated from patients suffering from respiratory tract infection using RAPD-PCR technique**

**Maysaa Mohammedawi, AL Nahrain University, Iraq**

## Special Session by

**Title: The ins and outs of a new plague vaccine against an old disease**

**Kei Amemiya,** US Army Medical Research Institute of Infectious Diseases, USA

**Title: Characterization and kinetics study for rhamnolipids produced by an environmental *Pseudomonas aeruginosa* isolate**

**Mervat Kassem,** Alexandria University, Egypt

## Special Session - Video Presentation (Replacement Talk)

**Title: Biosecurity in public health and how bacteria fight their war to infect new hosts**

**Stef Stienstra,** Dutch Armed Forces / Royal Dutch Navy, Netherlands

**Title: Specific chemicals induce phenotype reversal and inhibit alginate production by mucoid *Pseudomonas aeruginosa***

**Yan-Yeung Luk,** Syracuse University, USA

**Title: Enhancement of strength and durability of concrete by bacterial calcite precipitation**

**Krishna Priya,** SNS College of Technology, India

**Title: Emerging infectious disease**

**Stevenson Many,** Institut D'enseignement Chretien Siloe Medical Technology, Haïti

## Day 2 May 17, 2016

## Keynote Forum

**Title: Interactions of the bacterial and host systems in the persistence of group A-streptoccal infections in humans**

**Francis J. Castellino,** University of Notre Dame, USA

**Title: Host-pathogen interactions by clinical strains of *Burkholderia pseudomallei* in a murine model of melioidosis**

**Kei Amemiya,** US Army Medical Research Institute of Infectious Diseases, USA

## Sessions

**Track 3: Bacterial Identification Methods**
**Track 7: Veterinary Bacteriology**
**Track 8: Natural Microbial Defenses and Immunity**

**Session Chair: Francis J. Castellino,** University of Notre Dame, USA

**Session Co-Chair: Kei Amemiya,** US Army Medical Research Institute of Infectious Diseases, USA

### Session Introduction

**Title: Systematically analysis antibacterial activity of CHAP catalytic domain of *Staphylococcus aureus* phage lysin Ply187**

**Qingshan Huang,** Fudan University, China

**Title: Comparative diversity of bacterial population and phylogenetic analysis of K99 fimbrial gene of ETEC isolated from healthy and diarrheic calves, Punjab, Pakistan**

**Tahir Yaqub,** University of Veterinary & Animal Sciences, Paksitan

**Title: Host micro RNAs contribute to immunity and development of pathology in *Chlamydia trachomatis* infection**

**Rishein Gupta,** University of Texas at San Antonio, USA

**Title: Macrolide susceptibility of *Bordetella pertussis* in the United States, 2011-2015**

**Brunilís Burgos-Rivera,** Center for Disease Control and Prevention, USA

**Title: Antimicrobial resistance genes in *Salmonella* isolates from poultry drinking water**

**Nadia Mukhtar,** University of Veterinary & Animal Sciences, Paksitan

**Title: Potential use of biopolymer from *Bacillus subtilis* WD161 as mucoadhesive film for proliferation of oral cancer cell lines**

**Iracheta Villarreal Jesús Mario,** Ciudad Universitaria, Mexico

**Title: Foodborne pathogens in retail meats: from detection to genomics**

**Mohamed Fakhr,** University of Tulsa, USA

**Title: Lyme disease. Novel composition of phytochemicals as an approach against Lyme Disease**

**Anna Goc,** Dr. Rath Research Institute BV, USA

**Title: The prediction of long-term creep data of fibrous polymer composites based on short term experiments**

**Qian Li,** Third Military Medical University, China

**Title: Prevalence of *Bovine* rota virus in calves in Punjab province, Pakistan and vaccine preparation**

**Nadia Mukhtar,** University of Veterinary & Animal Sciences, Paksitan

**Title: The clinical characteristics and outcome of H1N1 pneumonia patients with acute renal injury**

**Essam Saad Abdel-Rahim Badawy,** Minia University, Egypt

## Poster Presentations

**Title: Influence of gelatin-thrombin matrix tissue sealant on bacterial colony formation and risk of pelvic infection**

**Michael J Jarrett,** University of Colorado School of Medicine, USA

**Title: Gender dynamics and socio-cultural determinants of MERS-CoV in Saudi Arabia**

**Muhanad Ali,** University of Toronto Scarborough Campus, Canada

**Title: Potential Use of Biopolymer from Bacillus subtilis WD161 as Mucoadhesive Film for Proliferation of Oral Cancer Cell Lines**

**Poonsuk Prasertsan,** Prince of Songkla Univeristy, Thailand

**Title: Evaltion of quiolones in treatment of burn patients of at Al-Imam Al- Hussen hospital in Thi-Qar province**

**Ali Taher Abbas,** Thi Qar University, Iraq

**Title: Effects of natural products and essential oils on pathogenic fungi**

**Awatif Al-Judaibi,** King Abdulaziz University, Saudi Arabia

**Title: Evaluation of an accelerated micro-method for the detection, identification and antimicrobial susceptibility of urogenital mycoplasmas.**

**Nadia María Rodríguez Preval,** Pedro Kourí Tropical Medicine Institute, Cuba

## E-Posters

**Title: Hemorrhagic fever with renal syndrome**

**Rista Elvana,** Hygeia Hospital Tirana, Albania

## Day 3 May 18, 2016

## Keynote Forum

**Title: The vaginal microbiome of gravidae in health and disease**
**George L Mendz**, The University of Notre Dame, Australia

**Title: Molecular Characterization of *Staphylococci* isolated from retail mushrooms**
**Mohamed Fakhr**, University of Tulsa, USA

## Track 6: Plant Microbe Pathology
## Track 12: Medical Microbiology

**Session Chair: Mohamed Fakhr**, University of Tulsa, USA

**Session Introduction**

**Title: Anti-plasmodial agents from a cameroonian medicinal plant**

**Perez Bawoh**, Francis Higher Institute of Nursing and Midwifery, Cameroon

**Title: Anti-infl ammatory and Antimicrobial active macrocyclic complexes of main group metal with their in vitro, in vivo and in silico studies**
**Ekta Rawat**, Kurukshetra University, India

**Title: Molecular diagnosis of human metapneumovirus**

**Essam Saad Abdel-Rahim Badawy**, Minia University, Egypt

**Title: Analytical validation of three alternative PCR master mixes for *Bordetella species* real-time PCR detection**
**Brunilís Burgos-Rivera**, Center for Disease Control and Prevention, USA

*Scientific Program*

5th International Congress on

# Bacteriology and Infectious Diseases

May 25-26, 2017 Chicago, USA



## Day 1 | May 25, 2017

**Registrations**

# Opening Ceremony

## Keynote Forum

**Introduction**

**Title: Bacterial infections and cancer therapy**

**Ananda M Chakrabarty,** University of Illinois at Chicago, USA

**Title: Small and large animal models for melioidosis and glanders**

**Kei Amemiya,** US Army Medical Research Institute of Infectious Diseases, USA

**Title: Composition of plant-derived compounds as an alternative approach for Lyme patients. A Lesson from the pre-clinical study**

**Anna Goc,** Dr Rath Research Institute BV, USA

**Sessions:**

**Bacterial Morphology and Metabolism | Bacterial Clinical Studies | Emerging Infectious Diseases | Bacterial Pathogenesis | Multi Pathogen Infections | Microbial Genomics | Industrial and Applied Bacteriology**

**Session Chair: Shobhona Sharma,** Tata Institute of Fundamental Research, India

**Session Introduction**

**Title: Targeting ribosomal protein to impair cell division and growth of the malaria parasite *Plasmodium falciparum***

**Shobhona Sharma,** Tata Institute of Fundamental Research, India

**Title: Novel approach for treating complicated intra-abdominal infection (cIAI) and sepsis**

**Suchismita Acharya,** AyuVis Research LLC, USA

**Title: Early clinical and biochemical predictors of bleeding and complications in dengue hemorrhagic fever in children**

**Maria Saify,** VMMC & Safdarjung Hospital, India

**Title: Chromosome mediated colistin resistance in clinical isolates of *klebsiella pneumoniae***

**Kashi Nath Prasad,** Sanjay Gandhi Postgraduate Institute of Medical Sciences, India

**Title: Differentiation of *tox*-bearing *Corynebacterium* species directly from clinical specimens**

**Katherine Bowden,** Centers for Disease Control and Prevention, USA

**Title: Predictors of mortality in HIV patients with severe PCP admitted to medical ICI: A systematic review**

**Amanuel Abera Lomencho,** College of Health Science, Ethiopia

## Day 2 | May 26, 2017

### Exhibitor

**Title:** Bringing Them Home-The Transportation of a High-Consequence Infectious Disease Patien

**Gary Hall,** AirBoss Defense, USA

### Special Session

**Title:** The innate immune response in pathogenesis and vaccination

**Kei Amemiya,** US Army Medical Research Institute of Infectious Diseases, USA

### Award Ceremony