Tentative Program

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

Conference Secretariat

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6th International Conference on

Bacteriology & Infectious Diseases

May 21-22, 2018 New York, USA

Program at a Glance

Day 1 (May 21, 2018)

08:00-08:30	Registrations
08:30-08:45	Opening Ceremony
08:50-08:55	Bacteriology Conference and Guest Introduction

Keynote Forum

	Title: General dynamic theory quantitates "synergism" of two drugs in animals or in clinical trials with only ten data points by computer simulation
	Ting-Chao Chou, Chinese Academy of Medical Sciences, China
	Title: Ribosome recycling process in prokaryotes: Recent advances
	Akira Kaji[1] and **Hideko Kaji**[2] [1.] University of Pennsylvania, USA [2.] Jefferson Medical College, USA

Networking and Refreshments Break 10:20-10:40

	Keynote Slots Available
	Keynote Slots Available
	Keynote Slots Available

Panel Discussion

Workshop

	Title: Antimicrobials infectious and infective endocarditis
	Oluwadapo oluwseun john, Bios specialist hospital Lagos, Nigeria

Session Introduction

General Sessions

Session Chair: TBD

Session Co-Chair: TBD

	Title: Effectiveness of quick sequential organ failure assessment (qSOFA) as sepsis screening tool in the emergency department (ED)
	Ajibola K Ibironke, University of Maryland, USA
	Title: Rare case of Nocardia mycetoma in an immunocompetent host
	Micheal Burt, University of Maryland, USA
	Title: Antimicrobial activity of Apple cider vinegar against methicillin resitant staphylococcus aureus and resistant *E. coli*
	Darshna Yagnik, Middlesex University, UK
	Title: Detection of bacterial pathogens in hands of rural school children across different age groups and emphasizing the importance of handwash
	Rohit Vishwanath, Chettinad Hospital and Research Institute, India

	Speaker Slots Available
	Speaker Slots Available
Lunch Break	
Networking and Refreshments Break	
	Title: Efficacy and safety of vaginally administered lyophilized Lactobacillus crispatus IP 174178 in the prevention of bacterial vaginosis recurrence
	Joane Daniel, France
	Title: Isolation, characterization and investigation of the rhizobacteria isolated from Algerian growing wild agran impact on wheat germination and growth
	Housseyn Medjahed, University Center Nour Bachir, Algeria
	Title: Designing Indirect ELISA Test for Detection of Antibodies against Serotype A2013 and O2010 of Foot and Mouth Disease (FMD) Virus in Cattle
	Fatemeh Malekdar, Iran
	Title: Linezolid overcame resistance to tosulfoxacin in a patient with cystitis
	Hyonok Yoon, Gyeongsang National University Jinju, Republic of Korea
	Speaker Slots Available
	Speaker Slots Available
Panel Discussion	
Day 2 (May 23, 2017)	
	Keynote Slots Available
	Keynote Slots Available
	Keynote Slots Available
Networking and Refreshments Break	
	Keynote Slots Available
Panel Discussion	
General Sessions	
Session Chair: TBD	
Session Co-Chair: TBD	
	Title: Defective interfering particles and their role in disease progression and persistence
	Alemayehu Reta, Debre Markos University, Ethiopia
	Title: Seroprevalence of Toxoplasma gondii among pregnant women in Tabriz north west in Iran
	Gholamreza Barzegar, Shiraz University of Medical Sciences, Iran
	Title: Global transcriptomic investigation of human macrophage response to infection with pathogenic/non-pathogenic mycobacteria
	Abhilasha Mishra, South Africa

	Speaker Slots Available
	Speaker Slots Available
	Lunch Break
	Title: Resistance Pattern of Locally Isolated Escherichia coli of clinical Origin against Commonly Isolated Used Antibiotics
	Shumaila Naz Malik, Jinnah University for women Karachi, Pakistan
	Title: Extended spectrum beta lactamase producing enterobacteriaceae isolates in patients with urinary tract infection and their antibiotic susceptibility pattern in northern Iran
	Mana Baziboroun, Babol University of Medical Sciences, Iran
	Title: Mathematical analysis of transfusion – Transmitted malaria model with optimal control
	Oluwaseun Aderele, School of Pure and Applied Sciences, Nigeria
	Title: The human aerosol cylinder: A novel method to investigate the infectiousness of patients with pulmonary tuberculosis
	Hridesh Mishra,Tygerberg campus, South Africa
	Title: Vector Surveillance of Zika virus/JE in selected high risk areas of India
	Nasreen Akhtar, National Institute of Malaria Research, India
	Title: Extended spectrum beta lactamase producing *Enterobacteriaceae* isolates in patients with urinary tract infection and their antibiotic susceptibility pattern in northern Iran
	Mana Baziboroun, Babol University of Medical Sciences, Iran
	Speaker Slots Available
	Speaker Slots Available
	Networking and Refreshments Break 15:30-15:45
	Title: *Staphylococcus aureus* in urinary tract infection and its association with hematuria: A six month retrospective study at Dr. Essa laboratory and diagnostic centre, Karachi, Pakistan
	Samurna Sabir, Essa Laboratory and Diagnostic Center, Pakistan
	Title: Identification of a novel gene in ROD9 island of *Salmonella enteritidis* involved in the alteration of virulence-associated genes expression
	Susmita Das, KIIT University, India
	Title: Antioxidant and inhibitory activity towards acetylcholinesterase and adenosine deaminase of essential oils from Nigeria ginger (*Zingiber officinale*) and turmeric (*Curcuma longa*) rhizomes
	Ayodele Jacob Akinyemi, Afe Babalola University, Nigeria
	Title: Targeting host signalling Akt kinase pathway to overcome *Mycobacterium tuberculosis* infection.
	Nikhila Meda, BITS-Pilani, India

	Title: Knowledge, attitude and practice of health care providers toward Ebola virus disease in hotspots in Khartoum and White Nile states, Sudan, 2014
	Musaab M. Alfaki, St. George's University, Grenada
Poster Presentation	
PBL-01	**Poster Slots Available**
PBL-02	**Poster Slots Available**
PBL-03	**Poster Slots Available**
PBL-04	**Poster Slots Available**
PBL-05	**Poster Slots Available**
PBL-06	**Poster Slots Available**
PBL-07	**Poster Slots Available**
PBL-08	**Poster Slots Available**
PBL-09	**Poster Slots Available**
PBL-10	**Poster Slots Available**
PBL-11	**Poster Slots Available**
Panel Discussion and Closing Ceremony	
Note: Program Schedule is subject to change with final allotment of speaker slots	
For more details PS: https://bacteriology.conferenceseries.com/	
For any queries realted to conference contact Stephen Bruce at bacteriology@conferencesamerica.org, bacteriology2018@gmail.com	

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

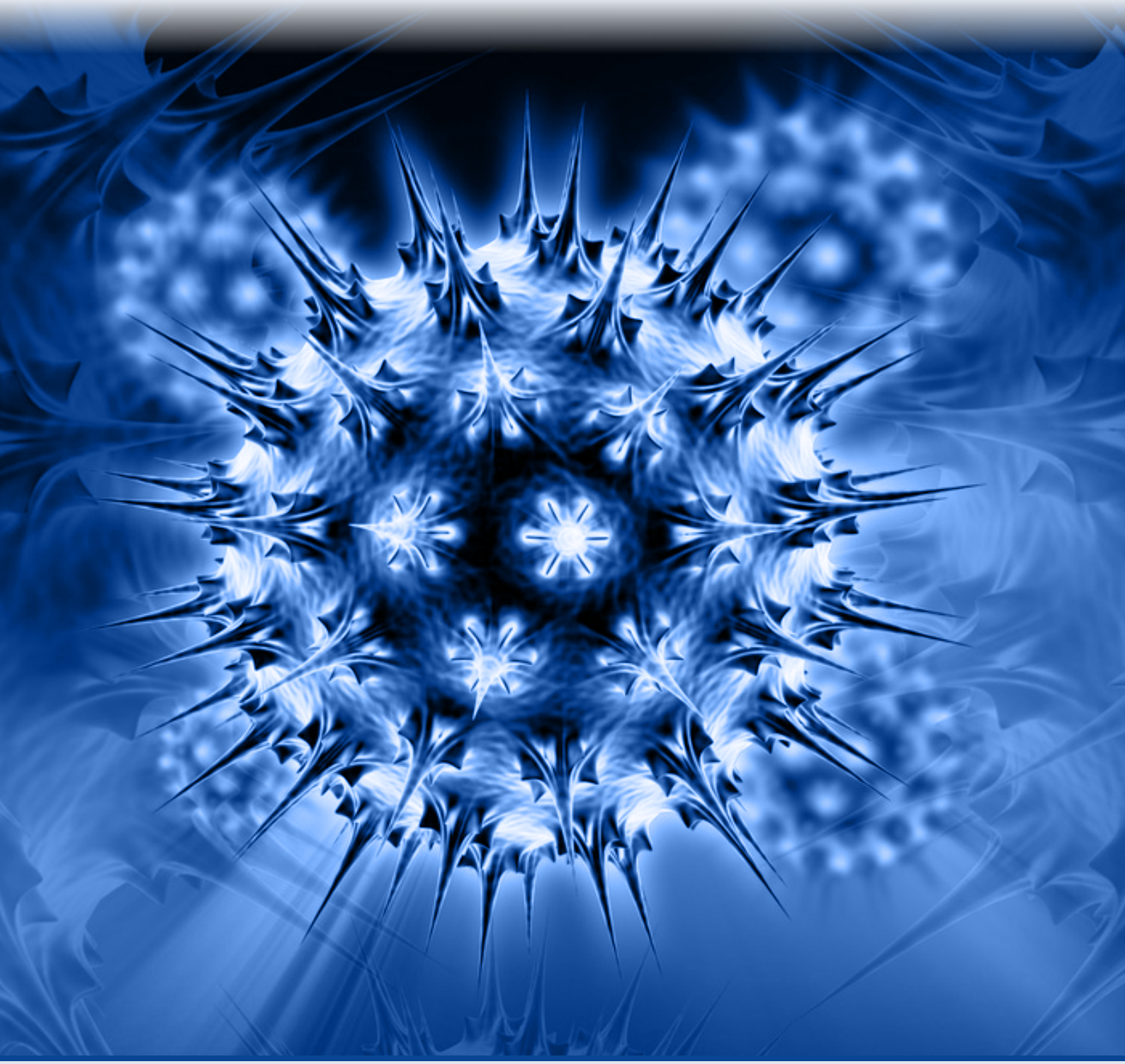
Award Ceremony

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

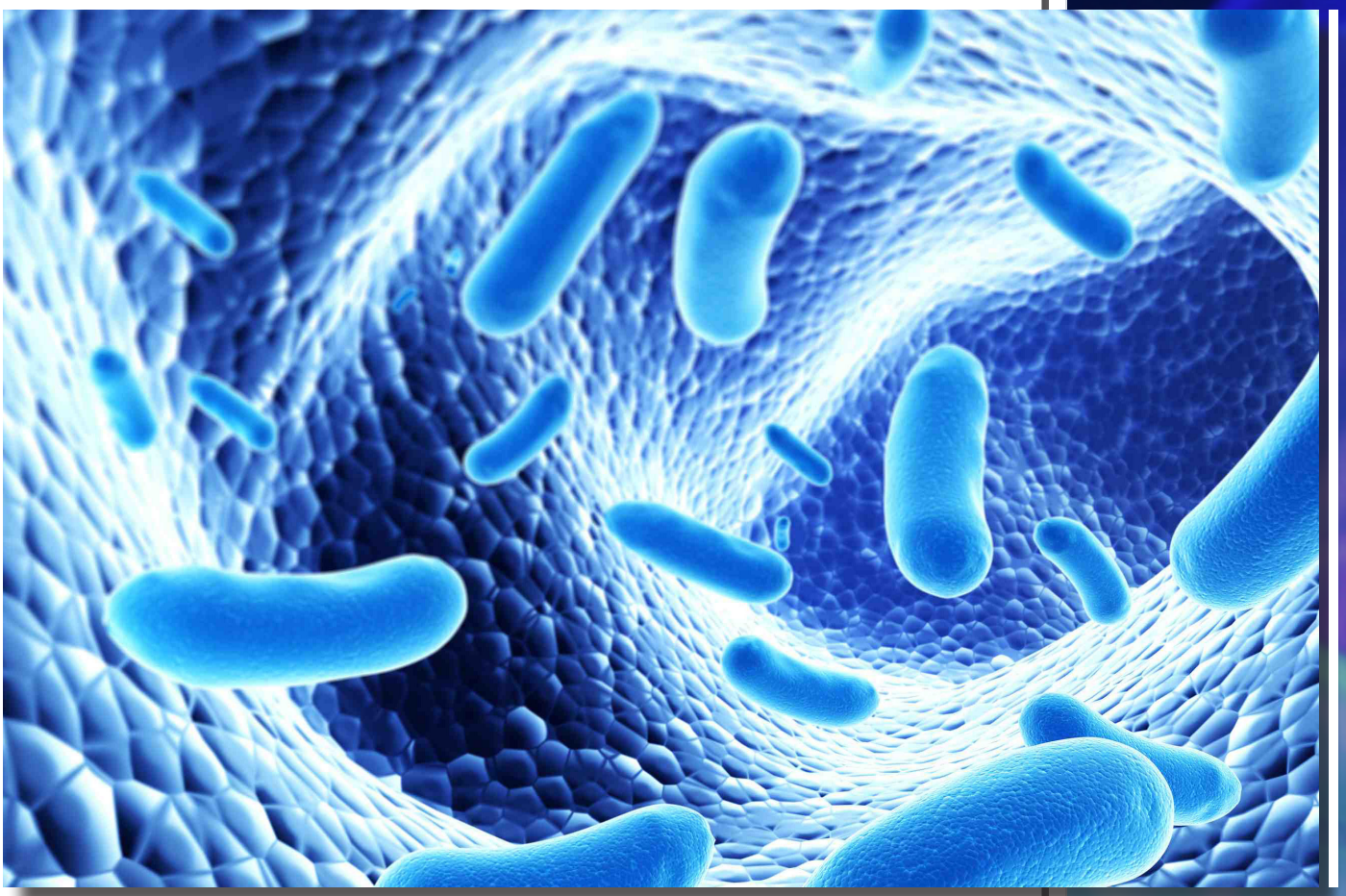
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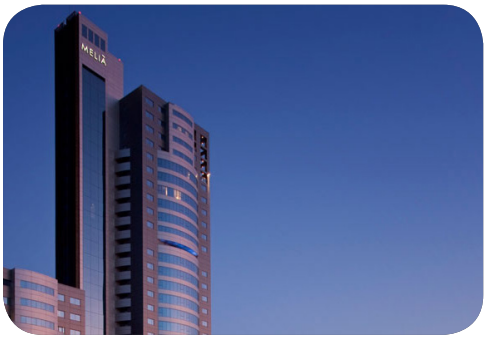
3rd International Congress on

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

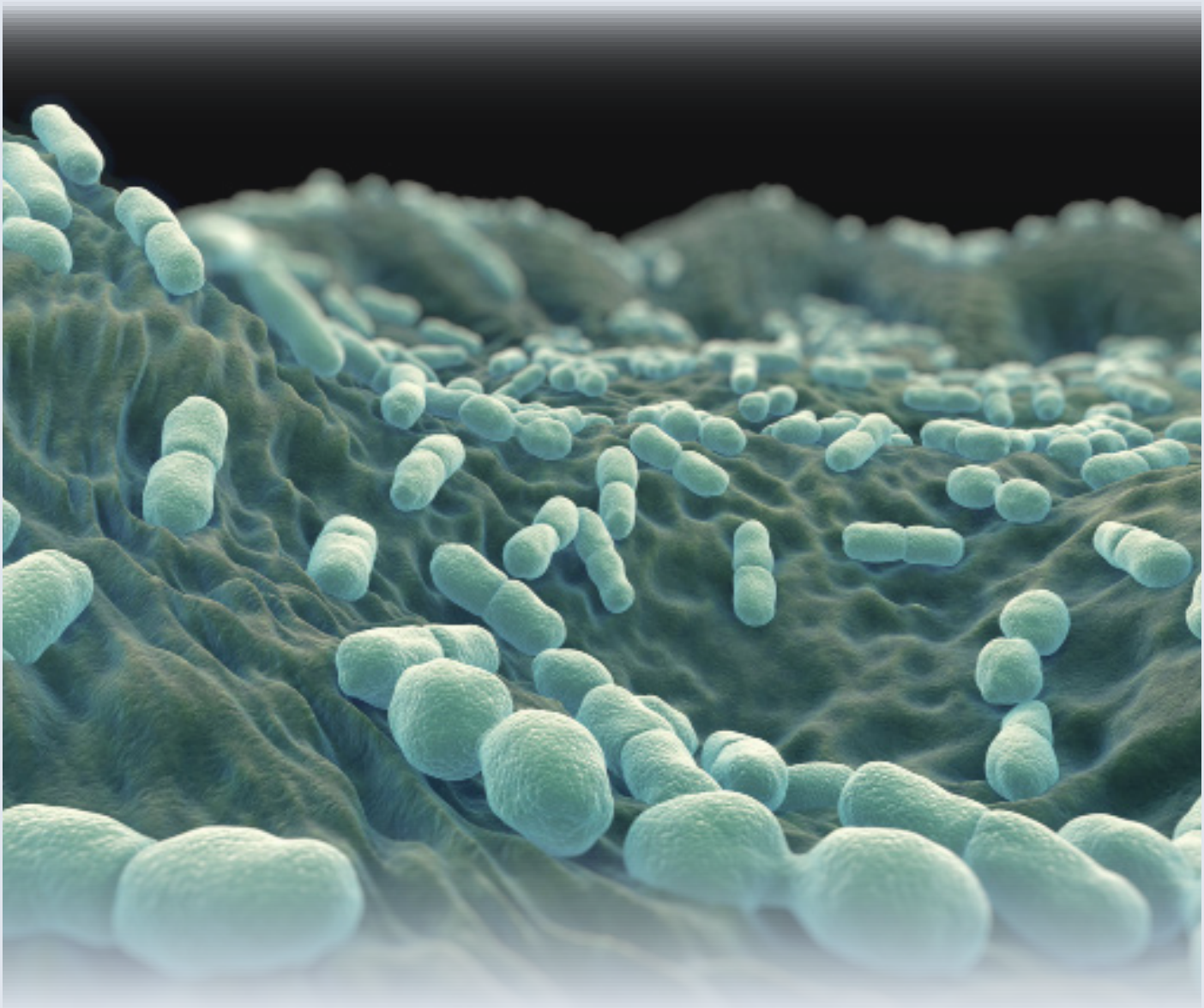
Title: Accuracy of the Kato-Katz method in diagnosis of the diagnosis of *S. Mansoni* and soil transmitted Helminths infection in Zimbabwe
Nyandoro George, University of Zimbabwe, Zimbabwe

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



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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