

7th Annual Summit on

MICROBIOLOGY: EDUCATION, R&D AND MARKET

September 28-29, 2018 | San Antonio, USA



Day 1 September 28, 2018

Conference Hall: Texas D

08:40-09:40 Registrations

09:40-10:00 Opening Ceremony

Keynote Forum

10:00-10:45 **Title: Evaluation of the airPHX advance oxidation system in controlling healthcare-associated infections on various surfaces**

Rick Falkenberg, Nestle Nutrition Research and Development, USA

Panel Discussion

Networking and Refreshment Break 10:45-11:05 @ Foyer

11:05-11:50 **Title: Dynamic monitoring and air flow model-based tracking of aerosolized bacteria in meat facilities**

Maria King, Texas A&M University, USA

Sessions: Sessions: Applied and Industrial Microbiology | Clinical Microbiology | Microbiology in Cancer Therapy | Bacteriology | Role of Microbiology in Agriculture

Session Chair: **Rick Falkenberg**, Nestle Nutrition Research and Development, USA

Session Co-chair: **Maria King**, Texas A&M University, USA

11:50-12:30

Title: Identification of hemagglutinin subtype-specific influenza virus exposures in influenza outbreak investigations by a high throughput 43-plexed MAGPIX platform

Zhu-Nan Li, CDC/OID/NCIRD, USA

12:30- 13:10

Title: Mutagenic and genotoxic evaluation of Liberia industrial wastewater using the bacteria reverse mutation and rat bone marrow chromosome aberration bioassay

Glory I Baysah, Adventist University of West Africa, Liberia

Panel Discussion

Lunch Break 13:10-14:00 @ Rio Grande

14:00- 14:40

Title: Industrial microbiology is a core role of goal for ZET

S M Shamsuddin Khaled, Institution of Engineers, Bangladesh

Young Researcher Forum

YRF Judge: **Maria King**, Texas A&M University, USA

14:40-15:10

Title: Heme and KDM4 function in promoting *C. albicans* virulence

Tianyuan Wang, University of Texas at Dallas, USA

15:10-15:40

Title: Eliminating the survival of malarial parasites from female midgut by inoculating the midgut flora that found in male anopheles

Brijesh Yadav, University of Texas Health Science Center at San Antonio, USA

Panel Discussion

Networking and Refreshment Break 15:40-16:00 @ Foyer

16:00-16:30

Title: Displacement ventilation to prevent pathogen spread during meat processing

Alexander Zuniga, Texas A&M University, USA

16:30-17:00

Title: Environmental factors in the development of antimicrobial resistant bacteria at dairy facilities

Hyounghmook Pak, Texas A&M University, USA

Panel Discussion

Day 2 September 29, 2018

Conference Hall: Texas D

Keynote Forum

09:50-10:35 Title: Construction of a live vaccine strain against Tularemia
Xhavit Zogaj, University of Texas at San Antonio, USA

Panel Discussion

Networking and Refreshment Break 10:35-10:55 @ Foyer

10:55-11:40 Title: *Salmonella*: An enemy for poultry industry
Salina Parveen, University of Maryland Eastern Shore, USA

11:40-12:25 Title: Microbial fuel cells (MFCs) for future sustainable green technology
S M Shamsuddin Khaled, Institution of Engineers, Bangladesh

Sessions: Clinical Microbiology | Microbial Infections | Bacteriology

Session Chair: Xhavit Zogaj, University of Texas at San Antonio, USA

12:25-13:05 Title: The prevalence of *Helicobacter pylori* infection and treatment among the OPD patient attending hospitals in Johannesburg, South Africa
Osuji Emmanuel Chinaka, Medical Practice Professional PathCare, South Africa

Panel Discussion

Lunch Break 13:05-14:00 @ Rio Grande

Young Researcher Forum

YRF Judge: Xhavit Zogaj, University of Texas at San Antonio, USA

14:00-14:30 Title: Characterizing protein interactions promoting heme regulation of the JMJC domain-containing protein Gis1 in yeast
Purna Chaitanya Konduri, University of Texas at Dallas, USA

14:30-15:00 Title: Antimicrobial activities of lime on pathogenic bacteria
Abiodun Oluwatoba, Texas Southern University, USA

15:00-15:30 Title: Evaluation of antimicrobial potential of greenly synthesized gold and silver nanoparticles from biomolecules of *Lactobacillus delbrueckii* and nanoparticles functionalized antibiotics against some clinical pathogens
Rachael Adeleke, University of Ibadan, Nigeria

Panel Discussion

Networking and Refreshment Break 15:30-15:50 @ Foyer

Poster Presentations 15:50-17:00

Poster Judge: Salina Parveen, University of Maryland Eastern Shore, USA

PO1 Title: Interaction of the human respiratory Syncytial virus matrix protein with cellular adaptor protein complex 3 plays a critical role in trafficking
Manoj Pастey, Oregon State University, USA

PO2 Title: The production and application of biofloculants and their nanoparticles in dairy wastewater treatment
Rachael Adeleke, University of Ibadan, Nigeria

PO3 Title: *In vitro* induction of bacterial resistance to ceftazidime- avibactam and investigation of the resistance mechanisms
Yosra Mofafer, Tennessee State University, USA

PO4 Title: Investigating the role of arginine phosphorylation in the regulation of Clp protease-mediated degradation of cellular proteins in *Mycobacterium tuberculosis*
Emmanuel Ogbonna, University of Delaware, USA

Awards & Closing Ceremony