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**
Hyoungmook 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 Pastey, Oregon State University, USA

PO2 **Title: The production and application of bioflocculants 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 Modafer, 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