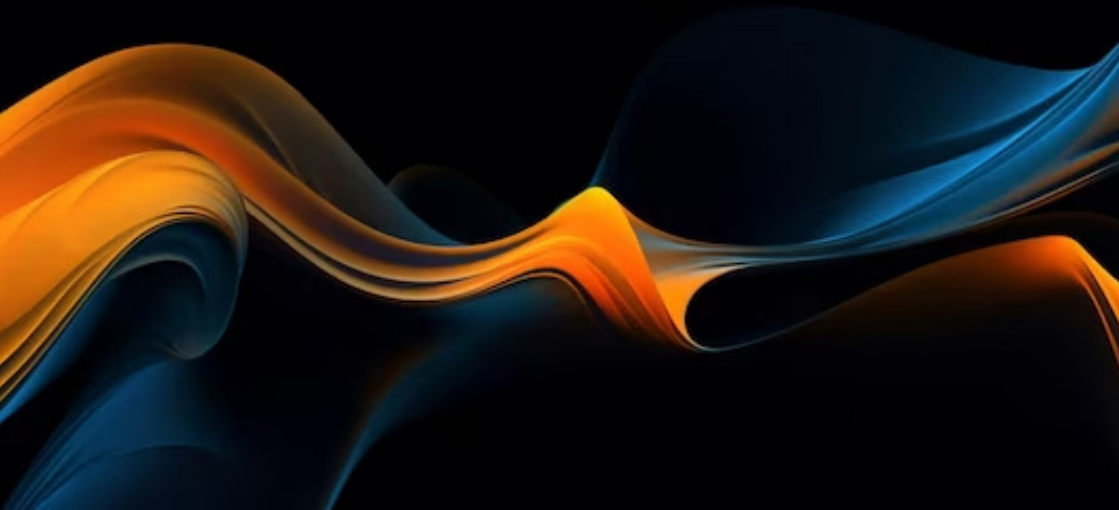





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SCIENTIFIC PROGRAM

4TH WORLD CONGRESS ON

INFECTIOUS DISEASES AND ANTIMICROBIAL RESISTANCE

JUNE 25-26, 2026 | LONDON, UK

SCIENTIFIC PROGRAM

DAY 01

THURSDAY

JUNE 25, 2026

08:00-08:30

Registrations

08:30-08:40

Inaugural Ceremony

Moderator

Carol Camp Yeakey, *The Marshall S. Snow Professor of Arts & Sciences, School of Arts & Sciences, Professor of Public Health, Bursky School of Public Health, Washington University in St. Louis, USA*

Topics: Infectious Diseases and Global Health | Infection Prevention and Control | Virology and HIV/AIDS | Immunology and Clinical Microbiology | Public Health and Epidemiology | Influenza | Zoonotic Diseases | Contagious Diseases | Next-Generation Antibiotics | Vaccines and Immunization | Ophthalmological Infectious Diseases | COVID-19 | Blood-Borne Diseases | Clinical Trials and Case Studies | Antiviral Drug Resistance

Distinguished Speaker Talks

Session Chair

Faisal M. Rahman, *Saint Xavier University, USA*

Session Chair

Florence D. Hudson, *Columbia University, USA*

08:40-09:00

Carol Camp Yeakey, *The Marshall S. Snow Professor of Arts & Sciences, School of Arts & Sciences, Professor of Public Health, Bursky School of Public Health, Washington University in St. Louis, USA*

09:00-09:20

Title: The COVID Information Commons - A Portal and Community for Researcher Collaboration

Florence D. Hudson, *Columbia University, USA*

09:20-09:40	<p>Title: AI Fueled Technology & US Healthcare – Emulatable Lessons in Affordability, Accesibility & Accountability</p> <p>Faisal M. Rahman, <i>Saint Xavier University, USA</i></p>
09:40-10:00	<p>Title: Effects of Dietary Humic Acid Supplementation on Survival, Immune Response, and Gut Microbiota in Nile Tilapia (<i>Oreochromis niloticus</i>) Challenged with <i>Lactococcus garvieae</i></p> <p>Eden Vladimir Gaitan Morado, <i>Universidad Michoacana de San Nicolás de Hidalgo, México</i></p>
10:00-10:20	<p>Title: A Unified Stochastic SIR Model with Parameter Estimation and Application to the COVID-19 Pandemic</p> <p>Wei Sun, <i>Concordia University, Canada</i></p>
10:20-10:40	<p>Title: Fatal Acute Miliary Tuberculosis Complicated by Obstructive Jaundice, Acute Pancreatitis, and Hemophagocytic Lymphohistiocytosis in a 57-Year-Old Immunocompetent Female: A Case Report</p> <p>Akram Shammat, <i>Zulekha Hospital, United Arab Emirates</i></p>
GROUP PHOTO 10:40-10:50	
REFRESHMENT BREAK 10:50-11:00	
11:00-11:20	<p>Title: Histoplasmosis in Oaxaca: An Emerging Systemic Mycosis Beyond Immunosuppression</p> <p>Joscelin Amaranta Macías Ríos, <i>Instituto Mexicano del Seguro Social (IMSS) & Hospital General “Dr. Aurelio Valdivieso”, México</i></p>
11:20-11:40	<p>Title: Antibiotic and Heavy Metal Resistance Genes and Antibiotic-Resistant Bacteria (ARB) from Natural Aquatic Environments, Sewage Water Systems, and Sewage Treatment Plants (STPs) from India</p> <p>Qazi Mohd Rizwanul Haq, <i>Jamia Millia Islamia (A Central University), India</i></p>

11:40-12:00	<p>Title: Prevalence and Predictors of Malaria-Associated Acute Kidney Injury among Adults with Severe Falciparum Malaria in Tanzania</p> <p>Priyank Chandrakant Punatar, <i>Muhimbili University of Health and Allied Sciences & Muhimbili National Hospital, Tanzania</i></p>
12:00-12:20	<p>Title: Evaluation of <i>Sida cordifolia</i>-Based Hydrogel in the Management of Infection-Prone Delayed Burn Wounds</p> <p>Shweta Kumar, <i>S. V. Polytechnic College, India</i></p>
12:20-12:40	<p>Title: Simple Bacterial Nasopharyngitis Leading to Atypical Skull Base Osteomyelitis—A Case Report</p> <p>R. Komathi S. Ramachandran, <i>Hospital Putrajaya, Malaysia</i></p>
GROUP PHOTO 12:40-12:50	
LUNCH BREAK 12:50-13:30	
Session Chair	Faisal M. Rahman , <i>Saint Xavier University, USA</i>
Session Chair	Florence D. Hudson , <i>Columbia University, USA</i>
13:30-13:50	<p>Title: Effect of Network Sparsity in Classifier Performance in ASD Patients: A Multicenter Study Based on Centrality Measures of rsfMRI</p> <p>Anoop Jacob Thomas, <i>Indian Institute of Information Technology Tiruchirappalli, India</i></p>
13:50-14:10	<p>Title: N-Acetylcysteine to Reduce Kidney and Liver Injury Associated with Drug-Resistant Tuberculosis Treatment</p> <p>Hadija Semvua, <i>Kilimanjaro Clinical Research Institute (KCRI)/KCMC University-Moshi, Tanzania</i></p>
14:10-14:30	<p>Title: Intra-Oral Dirofilariasis: Case Experience from India</p> <p>Rakesh Suresh, <i>Amrita Vishwavidyapeetham, India</i></p>
14:30-14:50	<p>Title: From Natural Products to Smart Antimicrobial Systems: Toward Integrated and Sustainable Strategies against Antimicrobial Resistance</p> <p>Soumia BELOUAGA, <i>University Hassan II of Casablanca, Morocco</i></p>

14:50-15:10 Title: Dental Health Concerns of Students Studying Abroad and the Prospects of Affordable Dental Care in South Asia

Umana Anjalin, *University of Liberal Arts, Bangladesh*

15:10-15:30 Title: HPV Awareness and Vaccine Knowledge Gaps among Adults in Bahrain: A Community-Based Study

Reem Al-Zahrani, *Arabian Gulf University, Kingdom of Bahrain*

15:30-15:50 Title: Biochemical and Ultrasound Predictors of ICU Admission among Hospitalized Dengue Patients in Bangladesh

Md. Tanzilur Rahman, *Chittagong Medical College, Bangladesh*

REFRESHMENT BREAK 15:50-16:00

16:00-16:20 Title: Health Benefits of Organic Food Products: Impact on Human Well-Being and Disease Prevention

Vilnara Alibekova, *Kazakh National Medical University named after S.D. Asfendiyarov, Kazakhstan*

16:20-16:40 Title: Risk Factors and Treatment of Squamous Cell Bladder Cancer

Meral KURT, *Uludag University, Türkiye*

16:40-16:50
POSTER Title: The COVID Information Commons – Machine Learning Powered Research Discovery

Florence D. Hudson, *Columbia University, USA*

16:50-17:05 Title: Emerging Perspectives on Platelet-Activating Factor in Relation to Magnesium Levels at the Cellular, Tissue and Systemic Levels in Disease States

Ezaan Khan, *Touro College of Osteopathic Medicine, USA*

17:05-17:20 Title: Resistance Patterns in Gram-Negative Bacilli Isolated in a Secondary Care Hospital: A Therapeutic Challenge in Western México

Sofía de la Paz García Alcazar, *Universidad de Guadalajara, México*

17:20-17:35	Title: Carbapenem Resistance in Klebsiella Pneumoniae: Evidence of Community Spread in Concordia (SC) - 2023/2024 Laís Destri dos Santos , <i>University of Contestado-Campus Concórdia, Brazil</i>
17:35-17:50	Title: AI Integrated Genomic Surveillance and Antimicrobial Discovery: A Mechanistic Review Güven Egemen Bilgesoy , <i>Yüksek İhtisas University, Türkiye</i>
17:50-18:05	Title: Purulent Septic Diseases of the Male Genital Organs Abilkhasenov Adil , <i>Astana Medical University, Kazakhstan</i>
18:05-18:25	Title: Diagnosis of Diabetes using Artificial Intelligence Programs Ammar Mohammed Zakariya , <i>Al-Iraqia University, Iraq</i>
18:25-18:45	Title: A Unified Real-Time Modeling Framework for Diverse Infectious Diseases and Adaptive Epidemic Response Eva K Lee , <i>The Data and Analytics Innovation Institute, USA</i>

NETWORKING

END OF DAY 1

JUNE 26, 2026

09:20-09:30

Introduction

Topics: Infectious Diseases and Global Health | Infection Prevention and Control | Virology and HIV/AIDS | Immunology and Clinical Microbiology | Public Health and Epidemiology | Influenza | Zoonotic Diseases | Contagious Diseases | Next-Generation Antibiotics | Vaccines and Immunization | Ophthalmological Infectious Diseases | COVID-19 | Blood-Borne Diseases | Clinical Trials and Case Studies | Antiviral Drug Resistance

Distinguished Speaker Talks

09:30-09:50

Title: Infectious Diseases in Italy: Guidelines for a Multidimensional Geographical Approach

Giovanni De Santis & Annamaria Bartolini, *University of Perugia, Italy*

09:50-10:10

Title: Health as a Nation Brand Value and the Importance of Information Systems in the Brand Value of Health: A Case Study of Türkiye's Health Türkiye Initiative

Hatice. Koc, *Ankara Hacı Bayram Veli University, Türkiye*

10:10-10:30

Title: Individualised Orthoplastic Management of Complex Periprosthetic Joint Infection Following Total Knee Arthroplasty

Katelynn Murray Whelan, *University Hospital Galway, Ireland*

10:50-11:10

Title: Impact of Network Sparsity on Graph Based Classification in Biological Systems: Insights from Resting State Functional Connectivity in Autism

Kiran Raj V, *Indian Institute of Information Technology Tiruchirappalli, India*

END OF DAY 2

SCIENTIFIC PROGRAM

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SCIENTIFIC PROGRAM

Virtual Event

4TH WORLD CONGRESS ON

INFECTIOUS DISEASES AND ANTIMICROBIAL RESISTANCE

JUNE 26-27, 2026

SCIENTIFIC PROGRAM

DAY 01

FRIDAY

JUNE 26, 2026

BST (British Summer Time)

07:55-08:00

Opening Ceremony

Topics: Infectious Diseases and Global Health | Infection Prevention and Control | Virology and HIV/AIDS | Immunology and Clinical Microbiology | Public Health and Epidemiology | Influenza | Zoonotic Diseases | Contagious Diseases | Next-Generation Antibiotics | Vaccines and Immunization | Ophthalmological Infectious Diseases | COVID-19 | Blood-Borne Diseases | Clinical Trials

Distinguished Speaker Talks

08:00-08:20

Title: Artificial Intelligence in the Workplace Insights from the Perspective of Disability Management with a Focus on Early Intervention and Occupational Rehabilitation

Anne Rosken, *ANED-HSG-PCU, Germany*

08:20-08:40

Title: Diagnosis of Diabetes using Artificial Intelligence Programs

Ammar Mohammed Zakariya, *Al-Iraqia University, Iraq*

08:40-09:00

Title: Beyond Medicine: The Architectural Responsibility for Public Health and Climate Change Mitigation

Mai Mohamed Barakat, *New Giza University, Egypt*

09:00-09:20

Title: Impact of Influenza Vaccination on Mortality and Major Cardiovascular Events in Adults with Cardiovascular Disease: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Khaled Khormi, *Prince Sultan Military Medical City, Saudi Arabia*

09:20-09:40

Title: Canine Leishmaniasis in Algeria: A Retrospective Study

Razika BOUKERT, *Saad Dahlab University, Algeria*

09:40-10:00 Title: Targeting Vitamins B1, B3 and B5 Metabolism Reduces *Streptococcus pneumoniae* Virulence in a Murine Influenza Co-Infection Model

Sai Yan Pyay Aung, *Nanyang Technological University, Singapore*

REFRESHMENT BREAK 10:00-10:20

10:20-10:40 Title: Molecular Characterization of Methicillin Resistant *Staphylococcus aureus* in West Bank-Palestine

Kifaya Azmi, *Al-Quds University, Palestine*

10:40-11:00 Title: Comparative Outcomes of Anterior-Posterior Versus Posterior-Only Approaches for Lumbosacral Chordoma: A Meta-Analysis of Recurrence, Survival and Complications

Ashkan Azizi, *Tehran University of Medical Science, Iran*

11:00-11:20 Title: Efficacy of Who Recommendation for Continued Breast Feeding and Maternal Care for Prevention of Perinatal and Postnatal HIV Transmission in Zambia

Mary Shilalukey Ngoma, *University of Zambia, Zambia*

11:20-11:40 Title: ESBL and Carbapenemase Producing *Enterobacteriaceae* in Bangladesh: Evidence from a One Health Meta-Analysis

Md Bashir Uddin, *Sylhet Agricultural University, Bangladesh*

11:40-12:00 Title: Positivity Rate of *Aspergillus* spp. in Patients with Tuberculosis-like Symptoms in Yaoundé, Cameroon and Antifungal Resistance Profile

Solange MEYIN A Ebong, *University of Yaoundé & Pasteur Center of Cameroon de Yaoundé Cameroon, Cameroon*

12:00-12:20 Title: Epidemiological Pattern of Lassa Fever Contacts in A Southwestern State of Nigeria, 2023 to 2025

Adewale Moses Adejugalbe, *University of Ibadan, Nigeria*

12:20-12:40 Title: *In-silico* Design, Synthesis of Some Novel Chromen Derivatives and Evaluation of their Inhibitory Effect against SARS-Cov-2 in 3CL Protease Enzyme

Kalirajan Rajagopal, *JSS Academy of Higher Education & Research, India*

LUNCH BREAK 12:40-13:10

13:10-13:30 Title: Retrospective on Ticks in Domestic and Wild Animals for Sustainable Ectoparasite Management in Togo

Eyabana Mollong, *Université de Lomé, Togo*

13:30-13:50 Title: Compound Vulnerability: Mitigating Neighborhood Inequality, Environmental Disaster and Health Inequity among the Poor

Carol Camp Yeakey, *The Marshall S. Snow Professor of Arts & Sciences, School of Arts & Sciences, Professor of Public Health, Bursky School of Public Health, Washington University in St. Louis, USA*

13:50-14:10 Title: Incidence and Burden of Myocarditis in the Middle East and North Africa: A Secondary Analysis of Global Burden of Diseases Study 2019

Fatemeh Nozari, *Tehran University of Medical Sciences, Iran*

14:10-14:30 Title: Professional Nurses' Experiences Regarding Antiretroviral Adherence by Incarcerated Individuals Living with HIV and AIDS in Correctional Services

Mapholisa Ntavhanyeni, *Sefako Makgatho Health Sciences University, South Africa*

14:30-14:50 Title: Anti-Tuberculosis Drug Resistance in a Pulmonary Tuberculosis Referral Health Facility in Etinan, Akwa Ibom State, Nigeria

Anne Ebri Asuquo, *University of Calabar, Nigeria*

REFRESHMENT BREAK 14:50-15:10

15:10-15:30 Title: Effects of Dietary L-glutamate, L-aspartate, and their Combination on Growth Performance, Diarrhea Severity, Intestinal Integrity, and Nutrient Digestibility of Weaned Piglets Challenged with *Enterotoxigenic escherichia coli*

Supatirada Wongchanla, *University of California, USA*

15:30-15:50	Title: Investigating Pandemic Polarization with Agent-Based Models David Knoke , <i>University of Minnesota, USA</i>
15:50-16:10	Title: Stochastic Modelling of Co-Infection Dynamics: An Analysis of Dual Disease Transmission in Individuals Sunil Maity , <i>National Institute of Technology Patna, India & Texas Biomedical Research Institute, USA</i>
16:10-16:30	Title: Hidden Pathways of Resistance: How Environmental Fungicides Undermine Clinical Antifungals Daniel Assis Santos , <i>Federal University of Minas Gerais (UFMG), Brazil</i>
16:30-16:50	Title: <i>Lactiplantibacillus</i> sp. LH01 as an Adjuvant to Reduce Antibiotic use in Recurrent Urinary Tract Infections Jesús Alonso Amezcua López , <i>Universidad de Guadalajara, Mexico</i>
16:50-17:00 (Poster)	Title: Microbial Signatures Associated with HPV Infection: Differential Genus-Level Abundance and Exploratory Random-Forest Ranking Based on 16S rRNA Sequencing Soudabeh Sabetian , <i>Shiraz University of Medical Sciences, Iran</i>
17:00-17:10 (Poster)	Title: Liquid Chromatography–Mass Spectrometry Profiling, Antioxidant and Allelopathic Activities of Leaf Extracts from <i>Eucalyptus torquata</i> and <i>Eucalyptus campaspe</i> Ferjani Dhaouadi , <i>Centre National des Sciences et Technologies Nucléaires (CNSTN), Tunisia</i>
17:10-17:30	Title: Antimicrobial Potential of ZnO-Zns and Activated Carbon Composite Marta Beatriz Mediavilla Quintero , <i>Central University of Venezuela, Venezuela & Antioquia University, Colombia</i>

NETWORKING

END OF DAY 1

SCIENTIFIC PROGRAM

DAY 02

SATURDAY

JUNE 27, 2026

BST - British Summer Time

07:35-07:40

Introduction

Topics: Infectious Diseases and Global Health | Infection Prevention and Control | Virology and HIV/AIDS | Immunology and Clinical Microbiology | Public Health and Epidemiology | Influenza | Zoonotic Diseases | Contagious Diseases | Next-Generation Antibiotics | Vaccines and Immunization | Ophthalmological Infectious Diseases | COVID-19 | Blood-Borne Diseases | Clinical Trials and Case Studies | Antiviral Drug Resistance

Distinguished Speaker Talks

07:40-08:00

Title: From Debt to Development: Evaluating the Effects of External Debt, Political Instability, and Inflation on Economic Growth in The Democratic Republic of Congo

Amini Jephthé Byamungu, *Zhejiang University of Science and Technology, China*

08:00-08:20

Title: Unmasking Melioidosis - A Journey through Diverse Presentations

Vaishnavi R, *SRM Medical College Hospital and Research Centre, India*

08:20-08:40

Title: Towards Real-Time Precision Agriculture: Evaluating ViT-Base/16 and ViT-Base/32 Variants for High-Accuracy Plant Pathology Detection

Sajja Ratan Kumar, *Anil Neerukonda Institute of Technology & Sciences(ANITS), India*

08:40-09:00

Title: Biosynthesis of Silver Nanoparticles and their Applications as Next-Generation Antibiotics

G. Narasimha, *Sri Venkateswara University, India*

09:00-09:20 Title: Impact of Network Sparsity on Graph Based Classification in Biological Systems: Insights from Resting State Functional Connectivity in Autism

Kiran Raj V, *Indian Institute of Information Technology Tiruchirappalli, India*

09:20-09:40 Title: From Mathematical Modeling to Public Health Action: Data-Driven Analysis and Control of HIV–COVID-19 Syndemic Dynamics

Anupam Priyadarshi, *Banaras Hindu University, India*

09:40-10:00 Title: AI-Driven Early Warning Systems for Childhood Diarrhea Outbreaks in India: A Prescriptive Modeling Approach

Monalisha Pattnaik, *Sambalpur University, India*

REFRESHMENT BREAK 10:00-10:20

10:20-10:40 Title: Nano Biosensors for Microbial Contaminants and their Impacts on Food Industry

Manas Kumar Dhal, *University of Delhi, India*

10:40-11:00 Title: Intelligent AI-Driven Predictive Analytics for Real-Time Infectious Disease Surveillance and Early Outbreak Detection

Vimala Roselin J, *Kristu Jayanti University, India*

11:00-11:20 Title: Deep Learning Techniques for Cervical Cancer Image Segmentation: Architectures, Challenges and Future Directions

S. Ravi, *Pondicherry University, India*

11:20-11:40 Title: Therapeutic Activities of Transition Metal Complexes with a 3ES4PThiosemicarbazone Based Ligands

Kavita Sandip Gour, *Priyadarshini Bhagwati College of Engineering, India*

11:40-11:50 (Poster) Title: Breeding Habitat Distribution and Adult Insecticide Susceptibility of *Aedes* Mosquitoes in Selected NCR Districts of Delhi, India

Lalthazuali, *Bhagwant University, India*

11:50-12:10	<p>Title: Pandemics, Power and Prediction: What Colonial Bengal's 1918 Influenza Pandemic Reveals about the Preparedness for Future Global Pandemics</p> <p>Saumitra Basu, <i>Indian National Science Academy(INSA), India</i></p>
12:10-12:30	<p>Title: Multisource AI Diagnostics: Harmonizing Imaging and Omics for Improved Patient-Level Predictions</p> <p>Rosy Sarmah, <i>Tezpur University, India</i></p>
12:30-12:50	<p>Title: Targeting Drug-Resistant Pathogens using <i>Daphne papyracea</i> Wall. ex G. Don: An <i>in vitro</i> Study of it's Antimicrobial Potential</p> <p>Priyanka Sharma, <i>Himachal Pradesh University, India</i></p>
LUNCH BREAK 12:50-13:20	
13:20-13:40	<p>Title: Clock and Clot: Impact of Processing Time on the Quality of Fresh Frozen Plasma – A Comparative Analysis of Coagulation Parameters</p> <p>Shubhi Yadav, <i>Balrampur Hospital, India</i></p>
13:40-14:00	<p>Title: Design, <i>In silico</i> Targeting, and Characterization of Curcumin Prodrug Microspheres for Brain-Specific Delivery in Alzheimer's Therapy</p> <p>Shakuntala Santosh Chopade, <i>Poona College of Pharmacy, India</i></p>
14:00-14:30	<p>Title: Artificial Intelligence for Infectious Diseases Learning and Research: Microbiology Students' Perceptions, Ethical Considerations and Challenges at the University of Port Harcourt</p> <p>Sandra Eberechukwu Augustine & Comfort N. Owate, <i>University of Port Harcourt, Nigeria</i></p>
14:30-14:50 Pre-Recording	<p>Title: SIOOT Oxygen-Ozone Therapy against Multidrug Resistant Bacteria Perspectives and Future Remarks</p> <p>Marianno Franzini, <i>Scientific Society of Oxygen Ozone Therapy (SIOOT), Italy</i></p>

14:50-15:00
(Poster)

Title: Health and Safety Hazards and Associated
Organisational and Social Support Factors for Deathcare
Workers: A Global Scoping Review

Mary Aku Ogum, *University of Cape Coast, Ghana*

NETWORKING

END OF DAY 2