

## 3<sup>rd</sup> International Conference on **Microbiology and Immunology**

Day 1 - November 06, 2023 | City Seasons Suites, Dubai, UAE

Meeting Hall: El Dhiyafa 2

08:00 - 08:45 Registrations

08:45 - 09:00 Opening Ceremony and Introduction

### Keynote Presentations

09:00 - 09:40 Title: Non-Coding ARNS as Therapeutic Targets in Viral Diseases

**Gilbert Gladly**, European Bio Immune(G)ene Medicine Association (EBMA), France

09:40 - 10:20 Title: Clinical Trial During and After Pandemic Abu-Dhabi Story

**Salah Eldin Hussein**, Sheikh Khalifa Medical City, UAE

### Oral Presentations

Session Chair: **Salah Eldin Hussein**, Sheikh Khalifa Medical City, UAE

Session Chair: **Amine Si Ali**, Centre Hospitalier Intercommunal de Cre ´teil (CHIC), France

### Sessions:

SARS-CoV | Nosocomial Infections and Control | Viral Infections and Recent Advancements | Global Infectious Diseases | Bacteriology and Infectious Diseases | Emerging and Re-Emerging Infections | Antimicrobials/ Antibiotics/ Antibacterials | Applied Microbiology and Beneficial Microbes

10:20 - 10:45 Title: Using Human-Safe Far-UV-C for Decontamination in the Health Care System

**Christian Kanstrup Holm**, UV Medico and Aarhus University, Denmark

### Networking and Refreshments 10:45 - 11:15 @ Banquet Pre Function Area

11:15 - 11:40 Title: Extracellular Vesicles and Exosomes are Secreted from Virally Infected Cells that Regulate Uninfected Immune Cells

**Fatah Kashanchi**, George Mason University, USA

11:40 - 12:05 Title: Understanding COVID-19 Epidemics in Mainland China

**Lequan Min**, University of Science and Technology Beijing, China

12:05 - 12:30 Title: Genome Characterization of Colistin-Resistant Bacteria Prevalent in Communities in Vietnam and Ecuador

**Yoshimasa Yamamoto**, Gifu University, Japan

12:30 - 12:55 Title: The Role of Airborne Transmission in COVID-19 Clusters: Epidemiological Investigation, Genomic Analysis and Aerosol Modelling

**Amine Si Ali**, Centre Hospitalier Intercommunal de Cre ´teil (CHIC), France

### Group Photo @ 12:55 - 13:10

### Lunch Break 13:10 - 14:00 @ All Day Dining Restaurant

14:00 - 14:25 Title: WTO's IPR Waiver Decision: What Does it Bring for the Next Pandemic Preparation

**Yaeko Mitsumori**, Osaka University, Japan

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14:25 - 14:50 Title: Biosynthetic Potential and Whole Genome Sequencing of Bacteria Associated with Red Sea Marine Invertebrates from Egypt

**Samar M Solyman**, Suez Canal University and Sinai University, Egypt

14:50 - 15:15 Title: Growth of Bacterial Genetics for the Last 75 Years (1946-2023)

**Sunil Palchaudhuri**, Wayne State University School of Medicine, USA and Atlanta Health and Welfare Center for Women, India

15:15 - 15:40 Title: Enhanced Antibacterial Effect of Magnetic Iron Oxide Nanoparticles Combined with Plant Extracts against Bifferent Bacterial Strains

**Sereen MB Bataineh**, Jordan University of Science & Technology, Jordan

15:40 - 16:05 Title: What do we Know About Risk Factors for Severe COVID-19 and How Could this Knowledge Help us in Clinical Decision-Making?

**Tatjana Meister**, Dr.Meister OÜ, Estonia

### Networking and Refreshments 16:05 - 16:30 @ Banquet Pre Function Area

16:30 - 16:55 Title: Personalized and Precision Medicine (PPM) as a Unique Healthcare Model to Be Set up via Translational Applications and Upgraded Business Modeling to Secure the Human Health, Ecological Biocoenosis and Biosafety

**Sergey Suchkov**, Institute for Biotech & Global Health of Ros BioTech and A.I. Evdokimov MGMSU, Russia

16:55 - 17:20 Title: Antibiotic Stewardship in Urinary Tract Infections in Adult Patient

**Farwa Khizar and Hina Javaid**, NMC Royal Hospital Sharjah, UAE

Day 1 concludes followed by Awards Ceremony

## 3<sup>rd</sup> International Conference on **Microbiology and Immunology**

Day 2 - November 07, 2023 | City Seasons Suites, Dubai, UAE

Meeting Hall: El Dhiyafa 2

### Keynote Presentation

9:00 - 9:40

Title: Personalized and Precision Medicine (PPM) as a Unique Healthcare Model to be Set up *via* Biodesign, Bio- and Chemical Engineering, Translational Applications, Biomanufacturing and Upgraded Business Modeling to Secure the Human Healthcare and Biosafety

**Sergey Suchkov**, Institute for Biotech & Global Health of Ros BioTech and A.I. Evdokimov MGMSU, Russia

### Oral Presentations

Session Chair: **Amine Si Ali**, Centre Hospitalier Intercommunal de Cre ´teil (CHIC), France

Session Chair: **Salah Eldin Hussein**, Sheikh Khalifa Medical City, UAE

**Sessions:**

Technological Innovations in Immunology | Cytokines and Current Research | Microbiology | Virology | Bacteriology | Neglected and Tropical Infectious Diseases | SARS-CoV | Respiratory Infectious Diseases and Therapy | Bacteriology and Infectious Diseases | Global Infectious Diseases

9:40 - 10:05

Title: Numerical Immunology: Utilizing Computers to Understand Immunological Mechanisms

**Filippo Castiglione**, Biotechnology Research Center, UAE

10:05 - 10:30

Title: Affinity-MALDI-TOF MS Technique for Rapid and Sensitive Screening of *Brucellosis* in Biological Sample

**Amirreza Sharif**, Shahid Beheshti University, Iran

### Networking and Refreshments 10:30 - 11:00 @ Banquet Pre Function Area

11:00 - 11:25

Title: Cardio-Renal, Metabolic and Immunological Parameters Associated with Survival in SAKI Patients Treated by Ox Iris Filter: A Prospective Study

**Franco Turani**, Aurelia Hospital and European Hospital, Italy

11:25 - 11:50

Title: Laser Treatment Increases the Antimicrobial Efficacy of Cyanobacterial Extracts against *Staphylococcus aureus* (SA) and Methicillin-resistant *Staphylococcus aureus* (MRSA)

**Haifa M Al Naim**, King Faisal University, KSA

11:50 - 12:15

Title: SARS-CoV-2 Infection is Associated with Damage to Cell Barrier Integrity: Physiopathological Consequences for the Intestinal Forms of COVID-19

**Ikram Omar Osman**, Laboratoire de Diagnostic Biologique, Djibouti

12:15 - 12:40

Title: Assessments of *Agrobacterium Tumefaciens* Strains for Plant Transformation

**Mona Ali Al-bloushi**, Ministry of Municipality and Environment, Qatar

12:40 - 13:05

Title: Diabetes and COVID-19 Among Hospitalized Patients in UAE: A Single-Center Retrospective Study

**Yehia S Mohamed**, Ajman University, UAE

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### Lunch Break 13:10 - 14:00 @ All Day Dining Restaurant

14:00 - 14:25	Title: The Investigation of the Interaction Between Piperine and Human Serum Albumin Compared with Holo Transferrin Natural Protein by Both Spectroscopic and Synchronous Fluorescence Technique for Cancer Prevention <b>Sogand Aslani-Firouzabadi</b> , Islamic Azad University, Iran
14:25 - 14:50	Title: Impact of COVID-19 Pandemic Waves on Healthcare Worker Hand Hygiene Activity in Department of Medicine and ICU as Measured by an Automated Monitoring System <b>Amine Si Ali</b> , Centre Hospitalier Intercommunal de Cre ´teil (CHIC), France
14:50 - 15:15	Title: Visceral Leishmaniasis in Lebanon a Report of Four Cases: Case Series and Review <b>Oussaima El-dbouni</b> , Aman Hospital, Qatar

### Poster Presentations

15:15 - 15:30	Title: Bacteriomes of Dental Plaques from Teeth Affected by Apical Periodontitis in Patients with Different Periapical Lesions: A Pilot Case-Case Study <b>Petra Borilova Linhartova</b> , Masaryk University, Czech Republic
15:30 - 15:45	Title: Antimicrobial Susceptibility Patterns in Commensal <i>E. Coli</i> Isolated from Human Feces and Poultry Intestine <b>Afrah Aljohani</b> , Umm Al-Qura University, KSA
15:45 - 16:00	Title: The Invisible Link: How Nursing Workload Contributes to <i>Candida Auris</i> Transmission <b>Estephania Padua</b> , Sheikh Khalifa Specialty Hospital, UAE
16:00 - 16:15	Title: Variety of Novel Species in Qatar Marine Ecosystem <b>Fawzia AJ Ramadan</b> , Ministry of Municipality and Environment, Qatar
16:15 - 16:30	Title: Prevalence and Antibiotic Susceptibility Patterns of <i>Acinetobacter</i> Implicated in Wound Infections <b>Hanan S Alghamdi</b> , Umm Al-Qura University, KSA
16:30 - 16:45	Title: Predictive Adhesion of <i>Staphylococcus ATTC</i> on the Stainless Steel Treated with UHT milk <b>Safae Tankiouine</b> , University Sultan Moulay Slimane, Morocco
16:45 - 17:00	Title: Significance of <i>Artemisia Annula L</i> and Studying of Some Biological Activities of its Different Organic Extracts <b>Manal Y Sameeh</b> , Umm Al-Qura University, KSA

### Networking and Refreshments 17:00 - 17:25 @ Banquet Pre Function Area

#### Recorded Video Presentations

VP - 001	Title: SARS-CoV-2 Inactivated Whole Virus Vaccines Preventing Future COVID-19 Variants Appearance by Glycoengineering the Coronavirus Glycan-Shield to Present $\alpha$ -Gal Epitopes <b>Uri Galili</b> , Rush University Medical College, USA
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VP - 002      Title: Inhalation of  $\alpha$ -Gal/sialic acid Liposomes: A Novel Approach for Inhibition of Flu virus at Early Stages of the Infection and for Converting it into Anti-Flu Virus Vaccine  
**Uri Galili**, Rush University Medical College, USA

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VP - 003      Title: Title: A Randomized, Double-Blind, Controlled Trial of Monolaurin Ointment Versus Mupirocin Ointment of Bacterial Skin Infections Among Pediatric Patients Ages 5 to 18 Years Old in Community-Based Setting  
**Wenzyl Jean Etor**, Victoriano Luna Medical Center, Philippines

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**Day 2 concludes followed by Awards ceremony and Vote of Thanks**

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### Virtual Presentations

Day 1 - November 06, 2023 (Greenwich Mean Time)

10:00- 10:20 **Introduction**

#### Keynote Presentation

10:20-11:00 Title: Energy Alterations in Patients with Hospital Infections and How Can We Treat This Condition Without Using Antibiotics?

**Huang Wei Ling**, Medical Acupuncture and Pain Management Clinic, Brazil

#### Oral Presentations

11:00 - 11:25 Title: First Description of Azole-Resistant *Aspergillus* Section *Fumigati* in Soil Samples in Lebanon

**Sara Khalife**, Beirut Arab University, Lebanon

11:25 - 11:50 Title: The Interplay of Dietary Fibers and Intestinal Microbiota Affects Type 2 Diabetes by Generating Short Chain Fatty Acids

**Muhammad Mazhar**, Guizhou University, China

11:50 - 12:15 Title: Exploiting a Novel Strain of *Weizmannia Coagulans* for the Production of Bioactive Molecules from Agri-Food Biomasses

**Patrizia Contursi**, University of Naples Federico II, Italy

12:15 - 12:40 Title: Evaluation of Bacterial Potential of Endophytic Fungi and Characterization of Compounds from Mycelial Extract of *Cephalosporium* sp., and *Chaetomium* sp.,

**Hafiza Farhat**, Gomal University, Pakistan

12:40 - 13:05 Title: Low Level SARS-CoV-2 RNA Detected in Plasma Samples from a Cohort of Nigerians: Implications for Blood Transfusion

**Azuka Patrick Okwuraibe**, Nigerian Institute of Medical Research, Nigeria

#### Refreshment Break 13:05 - 13:30

13:30 - 13:55 Title: The Synergistic Effect of Using Bacteriophages and Chitosan Nanoparticles Against Pathogenic Bacteria as a Novel Therapeutic Approach

**Aghapy Yermans Yakoup**, Zewail City of Science, Technology and Innovation, Egypt

13:55 - 14:20 Title: Frequency of Aerobic Bacterial Contamination in Platelet Concentrates at Regional Blood Centre, Peshawar

**Muhammad Ibrahim**, Khyber Medical University, Pakistan

14:20 - 14:45 Title: Adverse Cutaneous Drug Reaction

**Samia Elzwi**, University of Benghazi, Libya

14:45 - 15:10 Title: *Enterococcus* spp: Antimicrobial Resistance and Virulence Factors in Strains Isolated from Hospitalized Patients in Buenos Aires, Argentina, During the COVID-19 Pandemic

**Celia Schell**, Centro Universitario de Estudios Microbiológicos y Parasitológicos (CUDEMyP), Argentina

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15:10 - 15:35	Assessment of COVID-19 Transmission Dependency with Transport Network Accessibility: A Geospatial Approach in Savar Upazila, Bangladesh <b>Raju Ahmed</b> , Jahangirnagar University, and Red Cross Red Crescent Climate Centre, Bangladesh
15:35 - 16:00	Title: Prediction of Impending Central Line Associated Bloodstream Infections in Hospitalized Cardiac Patients: Development and Testing of a Machine-Learning Model <b>John N Kheir</b> , Boston Children's Hospital and Harvard Medical School, USA
16:00 - 16:25	Title: Decrease in HAI's As a Result of an Increase of Hand Hygiene Adherence and Hand Hygiene Practice Quality According to Regulation Guidelines at the Pediatric Hemato-Oncology and Bone Marrow Transplant Department (PHOBMTD) at Sheba Medical Center <b>Maxim Simonovsky</b> , Soapy Care LTD, Israel and USA
16:25 - 16:50	Title: Urinary Tract Infection by <i>Streptococcus Thoraltensis</i> <b>Ingrid Eunice Salazar Briseño</b> , Mexican Social Security Institute and Autonomous University of San Luis Potosi, Mexico

Day 1 Concludes

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Day 2 - November 07, 2023 (Greenwich Mean Time)

### Oral Presentations

11:00 - 11:25 Title: High Seroprevalence of SARS-CoV-2 Antibodies in Household Cats and Dogs of Lebanon  
**Sara Khalife**, Beirut Arab University, Lebanon

### Poster Presentations

11:25 - 11:40 Title: Antimicrobial Resistance and Genes Encoding for Virulence Factors in *Staphylococcus Haemolyticus* in Western Saudi Arabia  
**Outour T Alami**, Umm Al-Qura University, KSA

11:40 - 11:55 Title: Screening of Potential Antibiotic Producing Mesophilic Bacteria from Soil Samples of Makkah, Saudi Arabia  
**Samaher A Al-Asiri**, Umm Al-Qura University, KSA

11:55 - 12:10 Title: Influence of SARS-COV-2 Infection on Cytokine Production by Mitogen-Stimulated Peripheral Blood Mononuclear Cells and Neutrophils in COVID-19 Intensive Care Unit Patients  
**Sahar Essa**, Kuwait University, Kuwait

12:10 - 12:25 Title: Diversity, Antimicrobial Susceptibility Patterns of *Staphylococci* in Cosmetic Products in Western Saudi Arabia  
**Manahil S Al-Harbi**, Umm Al-Qura University, KSA

12:25- 12:40 Title: A Putative Cytotoxic Serine Protease from *Salmonella Typhimurium* Ucb5 Recovered from Undercooked Burger  
**Essam Kotb**, Imam Abdulrahman Bin Faisal University, KSA

12:40 - 12:55 Title: Examination of Ligand-Receptor Interactions Amongst Different Multiple Sclerosis Lesion Types  
**Brandon Lucke-Wold**, University of Florida, USA

12:55 - 13:10 Title: Reducing Healthcare Facility-Onset *Clostridioides difficile* Infections  
**Mohamed Adawee**, University of Michigan, USA

13:10 - 13:25 Title: An Easy Way to Eliminate Causes of Collagen and Allergic Diseases  
**Kimihiko Okazaki**, Okazaki Medical Clinic, Japan

Day 2 Concludes followed by Vote of Thanks