



SCIENTIFIC PROGRAM

Joint Conference

Pharma, Vaccines & Infectious Diseases Conference - 2025

08-10
October 2025

Venue:

Intercity Hotel, Geneva
Switzerland



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DAY- 1 | 08th October 2025

08:30-08:50

Onsite Registrations

08:50-09:00

Introduction & Welcome Message

KEYNOTE PRESENTATIONS

09:00-09:40

— Ai in Pharmacovigilance: Progress Report from CIOMS Working Group
Lembit Rago, *Council for International Organizations of Medical Sciences, Switzerland*

09:40-10:20

— Therapeutic Targeting of Ligand-Free Signaling of G Protein Coupled Receptors: Application in Opioid Pain Therapy and Opioid Use Disorder
Sadée Wolfgang, *University of California San Francisco, USA*

10:20-11:00

— 30,000 Nanotextured Implants in Humans With No Failures (and No Drugs)
Thomas J. Webster, *Hebei University of Technology, China*

Coffee Break 11:00-11:15

Session Chair: Andreas Engel | Co-Chair: Nigel J Smart

ORAL PRESENTATIONS

11:15-11:40

— Nanoscale Protein Purification and Multi-Mode Grid Writing for Cryogenic Electron Microscopy (cro-EM) to Accelerate Drug Discovery and Screening
Andreas Engel, University of Basel, Switzerland

11:40-12:05

— Cooperative Intelligence in Pharmaceutical Manufacturing
Nigel J Smart, SMART Pharmaceutical Consulting, USA

12:05-12:30

— A New Era in Microbiota Modulation: Microbiota Balance Through Probiotic-in-Oils Innovation
Kayhan Hulya, Founder Art de huile Aromatherapy, UK

12:30-12:55

— Antimicrobial, Antioxidant, Cytotoxic, and Eco Safety Properties of Sol-Gel-Prepared Silica-Copper Nanocomposite Materials
Iliana Ivanova, Sofia University, Bulgaria

12:55-13:20

— Bridging Diabetes and Alzheimer's Disease: 2-Oxoindolin-Thiazolidines as a Scaffold-Based Therapeutic Solution
Tarek Aboul Fadl, Assiut University, Egypt

Group Photo and Lunch Break 13:20-14:05

ORAL PRESENTATIONS

14:05-14:30

— Defects in Mitochondrial Functions in Redox-defective Diseases and Prospect Studies Toward Protection by Means of Combined Mitochondrial Nutrients
Giovanni Pagano, University of Naples Federico II, Italy

14:30–14:55

- **Insights into Investigating Anti-rheumatoid Arthritis Therapeutic Effects and Mechanisms of Traditional Medicine**

Yarigui Bao, Inner Mongolia Medical University, China

14:55–15:20

- **Virus-based Enzymatic Nanoreactors for Enzyme Replacement Therapy**

Rafael Vazquez-Duhalt, National Autonomous University of Mexico, Mexico

15:20–15:45

- **Revolutionizing Drug Delivery Systems: Insights from Insulin**

Małgorzata Masierek, Bioton S.A, Poland

15:45–16:10

- **Therapeutic Effect of Novel Selenium Nanoparticles Enriched Intravesical BCG for Immunotherapy of Mouse Model of Bladder Cancer**

Mohammad Hossein Yazdi, Center Tehran University of Medical Sciences, Iran

Coffee Break 16:10–16:25

ORAL PRESENTATIONS

16:25–16:50

- **Novel Vaccine Approaches in Wildlife Conservation: Conservation Pharmaceuticals Bridging Gaps in Global Salmonella Control**

Francis T. Scullion, Veterinary Services, N. Ireland

16:50–17:15

- **Effect of Probiotic *Lactobacillus rhamnosus* on the Gut Microbiota and Growth Performance of *Cirrhinus mrigala* (Mori)**

Sadaf Aman, Minhaj University Lahore, Pakistan

YOUNG RESEARCHERS SESSION

17:15–17:40

- **Eukaryotic Ribosomal Proteins as Potential Targets for Phenazine Compounds**

Li Xiangpu, Belarussian State University, Belarus

KEYNOTE PRESENTATION

- 09:00–09:30 — Forced Intracellular Degradation of Xenoantigens as a Novel Modality for Cell-Based Cancer Immunotherapy
Rafei Mouthih, *University of Montreal, Canada*

Session Chair: Paco Pino | Co-Chair: Ahmad Salman

ORAL PRESENTATIONS

- 09:30–09:55 — Monitoring the Immune System's Response via Infrared Spectroscopy of White Blood Cells Based on Machine Learning: A Rapid Approach to Distinguish Bacterial from Viral Infections in Febrile Pediatric Oncology Patients
Ahmad Salman, SCE-Shamoon College of Engineering, Israel
- 09:55–10:20 — Development of the A129 Mouse Model for Investigating Antibody-Dependent Enhancement in Dengue Virus Infection and Single Cell Sequencing Analysis
Mya Myat Ngwe Tun, Nagasaki University, Japan
- 10:20–10:45 — The Voyage of FrankenSpike™: A Pioneering Pan-Protective Coronavirus Vaccine Approach
Paco Pino, ExcellGene SA, Switzerland

Coffee Break 10:45–11:00

ORAL PRESENTATIONS

- 11:00–11:25 — *Leishmania Tarentolae* as a Potential Live Vaccine Co-Expressing Distinct Salivary Gland Proteins Against Experimental Cutaneous Leishmaniasis in a BALB/c Mice Model
Sima Rafati, Pasteur Institute of Iran, Iran
- 11:25–11:50 — Human Low Molecular Weight Leukocyte Extract as an Immunomodulatory Adjuvant to Albendazole in Experimental *Echinococcus Multilocularis* Infection
Gabriela Hrcckova, Slovak Academy of Sciences, Slovakia
- 11:50–12:15 — Bionic Inhalation Crystalline Microspheres of Budesonide Series Open Up a New Era of Inhalant 2.0
Yongda Sun, 3S PharmaTech (3SPT LLC)CA, USA
- 12:15–12:40 — Occult Hepatitis C Infection Identified in Kidney Transplant and Hemodialysis Patients after Sustained Virological Response
Eliane Silva, University of Porto, Portugal
- 12:40–13:05 — Potential Biomedical Application of Metal Nanoparticles from Natural Sources
Pavlinka Dolashka, Institute of Organic Chemistry with Centre of Phytochemistry, Bulgaria

Group Photo and Lunch Break 13:05–13:50

13:50–14:15 — The Efficacy of Neuromodulation in Long-COVID Patients!
Kati Thieme, Medical Psychology, Philipps-University Marburg, Germany

14:15–14:40 — Green Synthesis of Antimicrobial Carbon Nanoparticles
Aleksandar Dolashki, Institute of Organic Chemistry with Centre of Phytochemistry, Bulgaria

14:40–15:05 — The Forgotten Muscle: SIDS, Infection and the Diaphragm
Pontus Max Axel Siren, JGK Memorial Research Library, Switzerland

15:05–15:30 — Viral Specificity and Longitudinal Analysis of T Cells in the Nasal Mucosa
Sabrina Ottolini, University of Pavia, Italy

Coffee Break 15:30–15:45

ORAL PRESENTATIONS

15:45–16:10 — Community-based Strategies to Facilitate Routine Childhood Immunization Uptake in the Rural Areas of Lesotho
Wanda Jacobs, University of Johannesburg, South Africa

16:10–16:35 — Factors Impacting Adherence to Antiretroviral Therapy Among Children in Ekurhuleni Clinics, South Africa
Zelda Janse Van Rensburg, University of Johannesburg, South Africa

16:35–17:00 — Indoor Air Quality and Infectious Disease Transmission: Carbon Dioxide Assessment in Resource-Constrained South African Households
Eunice Mutava, University of Johannesburg, South Africa

KEYNOTE PRESENTATION

17:00–17:30 — The Path to Localizing Vaccine Production in LMICs
Pierre A. Morgon, CEO MRGN Advisors, Switzerland

17:30–17:55 — Dietary Gap of Macro and Micronutrients and Associated Risk Factors Among Pulmonary Tb Patients in Raipur District of Chhattisgarh.
Ashish Sinha, JNM Medical College, India

VIRTUAL PRESENTATIONS

Local Time Zone	Speaker Time Slot	
09:00–09:30	16:00–16:30 (South Korea)	Future of Therapeutics: mRNA-LNP Platforms and Predict AI models for drug delivery Ravi Maharjan, <i>Yonsei University, South Korea</i>
09:30–10:00	13:00–13:30 (India)	Focused Ultrasonography in COVID-19: A Prospective Cross-sectional Study Antony Kalliath, <i>Amala Institute of Medical Sciences, India</i>
10:00–10:30	11:00–11:30 (Russia)	Adhesive Phytoadaptogen Vaccines for Preventive Oncology and Gerontology O.A. Bocharova, <i>N.N. Blokhin National Medical Research Center of Oncology, Russia</i>
10:30–11:00	09:30–10:00 (Nigeria)	Crisis Communication in Immunization: Lessons Learned from Outbreaks and Public Health Threats in Nigeria Nuhu Diraso Gapsiso, <i>University of Maiduguri, Nigeria</i> Crisis Communication in Immunization: Lessons Learned from Outbreaks and Public Health Threats in Nigeria Tashikalmah Hallah, <i>Federal Ministry of Health and Social Welfare, Nigeria</i>
11:00–11:30	12:00–12:30 (Belarus)	Site-directed Mutagenesis of the Tolq Gene in Bacteria Pseudomonas Chlororaphis Subsp. Aurantiaca B-162 Kristina Bondareva, <i>Belarussian State University, Belarus</i>
11:30–12:00	12:30–13:00 (Lebanon)	1. Serological Evidence of SARS-CoV-2 Exposure in Domestic Cats and Dogs in Lebanon 2. Zoonotic Risk and Seroprevalence of Toxoplasma gondii in Chickens Slaughtered in Tripoli, Lebanon Sara Khalife, <i>Beirut Arab University, Lebanon</i>
12:00–12:30	12:00–12:30 (Italy)	Grassroots Mobilisation: Leveraging Civil Society and Community Leadership to Bridge Gaps in Vaccine Coverage Mariano Votta, <i>Active Citizenship Network, Italy</i>
12:30–13:00	16:00–16:30 (India)	AI-Powered Web Platform for Predicting Drug-Induced Neurotoxicity Using Multi-Omics Data Amaan Arif, <i>Amity University Uttar Pradesh, India</i>
13:00–13:30	16:30–17:00 (India)	Backdrop of Ayurveda In Arthritis a Current Scenario Prashant Sakharam Bhokardankar, <i>Datta Meghe Ayurvedic medical College Hospital and Research Centre Nagpur, India</i>

Upcoming Conferences- 2026



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