

SCIENTIFIC PROGRAM



Joint Event on

ADVANCES IN MEDICINAL CHEMISTRY AND PHARMACOLOGY

&

INNOVATIONS IN DRUG DISCOVERY, DEVELOPMENT & DELIVERY

April 03-04, 2025 | Amsterdam, Netherlands

SCIENTIFIC PROGRAM

DAY 01

THURSDAY

APRIL 03, 2025

08:00-08:30

Registrations

08:30-08:40

Inaugural Ceremony

Moderator

Andreas M Papas, *Antares Health Products Inc., East Tennessee State University, USA*

Sessions: Medicinal Chemistry | Drug Discovery, Design and Development | Novel Drug Delivery Systems | Computer Aided Drug Design | Pharmacogenomics and Personalized Medicine | Orphan Drugs and Rare Diseases | Molecular Docking and Computational Drug Design | Biologics and Biosimilars | Drug Safety and Pharmacovigilance | Personalized Therapies | Pharmacogenomics | Toxicology

Session Chair

André Mauricio de Oliveira, *Federal Centre of Technological Education of Minas Gerais (CEFET-MG), Brazil*

Distinguished Speaker Talks

08:40-09:05

Title: Aqueous Two-Phase Partitioning: Science and Applications for Biomarkers Discovery and Early Cancer Detection

Boris Y. Zaslavsky, *Cleveland Diagnostics, USA*

09:05-09:30

Title: Formulation and Delivery Applications of Vitamin E TPGS for Novel Drug Categories

Andreas M Papas, *Antares Health Products Inc., East Tennessee State University, USA*

09:30-09:55

Title: Topical Delivery of Drugs in the Treatment of High-Grade Cervical Squamous Intraepithelial Lesions: A Meta-Analysis

Jianlan Zheng, *Chenggong Hospital of Xiamen University, China*

09:55-10:20

Title: Hydroquinone-Free Skincare Treatment for Hyperpigmented and Photodamaged Facial Skin

Sofia Iglesia, *Revision Skincare, USA*

10:20-10:45 Title: Environmental Conditions Actively Participate in Protein Folding Process

Irena Roterman, Jagiellonian University, Poland

GROUP PHOTO 10:45-10:55

REFRESHMENT BREAK 10:55-11:15

11:15-11:45 Title: Flaxseed: A Novel Approach to Enhanced Wound Healing

Basma Ezzat Mustafa Alahmad, International Islamic University Malaysia, Malaysia

11:45-12:10 Title: NMR-Based Metabolomics and Biochemical Analyses as Tools for Precision Medicine in Fighter Pilots

Grace Barros de Sá, University of Rio de Janeiro State (UERJ), IBMR University Center, Brazil

12:10-12:35 Title: Advanced Surface Plasmon Resonance (SPR) Assay Application for Preclinical Antiviral Drug Testing

Petia Genova-Kalou, National Centre of Infectious and Parasitic Diseases (NCIPD), Bulgaria

12:35-13:00 Title: Development of a First-in-Class AUTOTAC Targeted Protein Degradator for Pathological Tau Aggregates in Tauopathies

Chang Hoon Ji, AUTOTAC Bio, Inc., Seoul National University, South Korea

13:00-13:25 Title: Perfect State Transfer in a Quantum Biological System Based on the Davydov Model

Elham Faraji, Jülich Research Center, Germany

GROUP PHOTO 13:25-13:35

LUNCH BREAK 13:35-14:15

14:15-14:40 Title: Artificial Intelligence Enabled Nanosensors for Trace-Level Biomarkers Detection

Ajay Agarwal, Indian Institute of Technology Jodhpur (IITJ), India

14:40-14:55 Title: DFT Investigation of the Antioxidant Capacity of Culinary Herbs Polyphenols

André Mauricio de Oliveira, Federal Centre of Technological Education of Minas Gerais (CEFET-MG), Brazil

14:55-15:10	<p>Title: Evaluation of Multifunctional Hemorphins with Modifications at the N- and C-Terminal Regions for the Improvement of the Anticonvulsant Activity</p> <p>Jana D. Tchekalarova, <i>University of Chemical Technology and Metallurgy, Bulgaria</i></p>
15:10-15:30	<p>Title: Cannabis Situation in Germany</p> <p>Jonas Michael Wilhelm Westphal, <i>International Business Jurist and Author, Germany</i></p>
15:30-15:55	<p>Title: Mycobacterial ATP-Phosphoribosyl Transferase (HisG) Inhibition by The New Anti-TB Chemotypes Benzo[d]thiazole-2-carboxamides/ carbanilides</p> <p>Dhameliya Tejas Manjibhai, <i>Nirma University, India</i></p>
15:55-16:20	<p>Title: Advancing Cancer Treatment: Leveraging Marine Polysaccharides for Enhanced Drug Delivery</p> <p>Jinu George, <i>Sacred Heart College (Autonomous), India</i></p>
16:20-16:45	<p>Title: Quinoline-Hydroxamic Acid Inspired Dual Inhibitors of Topoisomerase-Histone Deacetylase: Design, Synthesis, <i>in vitro</i> and <i>in vivo</i> Anticancer Potential</p> <p>Raj Kumar, <i>Central University of Punjab, India</i></p>
REFRESHMENT BREAK 16:45-17:05	
17:05-17:30	<p>Title: Tobacco Plant of Kyrgyzstan: A Valuable Crop for Biotechnology in Medicine</p> <p>Smailov Eltar Ablametovich, <i>International Kyrgyz-Uzbek University named after B. Sydykov, Kyrgyzstan</i></p>
17:30-17:55	<p>Title: Innovative Nanotechnological Platforms for Drug Delivery Systems in Biomedical Applications</p> <p>Pramod K. Avti, <i>Post Graduate Institute of Medical Education and Research (PGIMER), India</i></p>
17:55-18:20	<p>Title: The Brown Algae <i>Padina pavonica</i> Methanol and Hexane Partitions Showed Antidepressant Effects in Mice</p> <p>Negar Asgari, <i>Isfahan University of Medical Sciences, Iran</i></p>

18:20-18:45 Title: Antibacterial Activity of Silver Nanoparticles Derived from Extracellular Extract of *Enterococcus aerogenes* Against Dental Disease Bacteria Isolated

Mohammed A. Abd Ali, *Misan University, Iraq*

18:45-18:55 Title: Discovery of Antibodies that Modulate Macrophage Functions in Boosting Cancer Immunotherapy

Jianyong Wang, *Genentech, USA*

18:55-19:05 Title: Chitosane - Antibiotic Based Composites and their Application in Medicine

Dilyana Todorova Zvezdova, *Prof. Dr. Assen Zlatarov University, Bulgaria*

19:05-19:15 Title: Social Determinants for the use of Complementary and Alternative Therapies among Women During Pregnancy, Labor and Postpartum Period in Low Income Countries: A Scoping Review

Mabel Kefilwe M. Magowe, *University of Botswana, Botswana*

NETWORKING

END OF DAY 1

SCIENTIFIC PROGRAM

DAY 02

FRIDAY

APRIL 04, 2025

08:50-09:00

Introduction

Sessions: Medicinal Chemistry | Drug Discovery, Design and Development | Novel Drug Delivery Systems | Computer Aided Drug Design | Pharmacogenomics and Personalized Medicine | Orphan Drugs and Rare Diseases | Molecular Docking and Computational Drug Design | Biologics and Biosimilars | Drug Safety and Pharmacovigilance | Personalized Therapies | Pharmacogenomics | Toxicology

Distinguished Speaker Talks

09:00-09:25

Title: Eliminating Infection Through Nanomedicine: 30,000 Human Cases and Still Counting

Thomas J. Webster, *Hebei University of Technology, China*

09:25-09:50

Title: A Randomized, Double-Blind, Placebo-Controlled Trial Assessing the Efficacy and Safety of a Fixed-Dose Combination (FDC) of METformin Hydrochloride 1000 mg ER, Sitagliptin Phosphate 100 mg and Dapagliflozin Propanediol 10 mg in Indian Adults with Type 2 Diabetes: The MESIDA Trial

Akhilesh Sharma, *Alkem Laboratories Mumbai, India*

09:50-10:15

Title: Electroencephalographic Guided Propofol-Remifentanyl TCI Anesthesia with and without Dexmedetomidine in a Geriatric Population: Electroencephalographic Signatures and Clinical Evaluation

Fernando Zurita Delgado, *Hospital Base San José, Chile*

10:15-10:40

Title: Evaluation of the Antimalarial Properties of *Solanum incanum* L. Leaf Extract Fractions and Its Ability to Downregulate Delta Aminolevulinic Acid Dehydratase to Prevent the Establishment of Malaria Infection

Ogochukwu Caroline Chiamah, *Alex Ekwueme Federal University Ndufu-Alike, Nigeria*

10:40-11:05

Title: *In vitro* Study of Sonodynamic Therapy using Gemcitabine-loaded PEG-Gold Nanoparticles Against MCF-7 Breast Cancer Cells

Ahmad Shanei, *Isfahan University of Medical Sciences, Iran*

11:05-11:30

Title: ACE-Dependent Alzheimer's Disease (AD)

Sergei M. Danilov, *University of Illinois at Chicago, USA*

SCIENTIFIC PROGRAM

DAY 02
FRIDAY

APRIL 04, 2025

Exclusively for
Virtual Speakers

Virtual Presentations
Conducted through
CISCO Webex



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7th Global Summit on

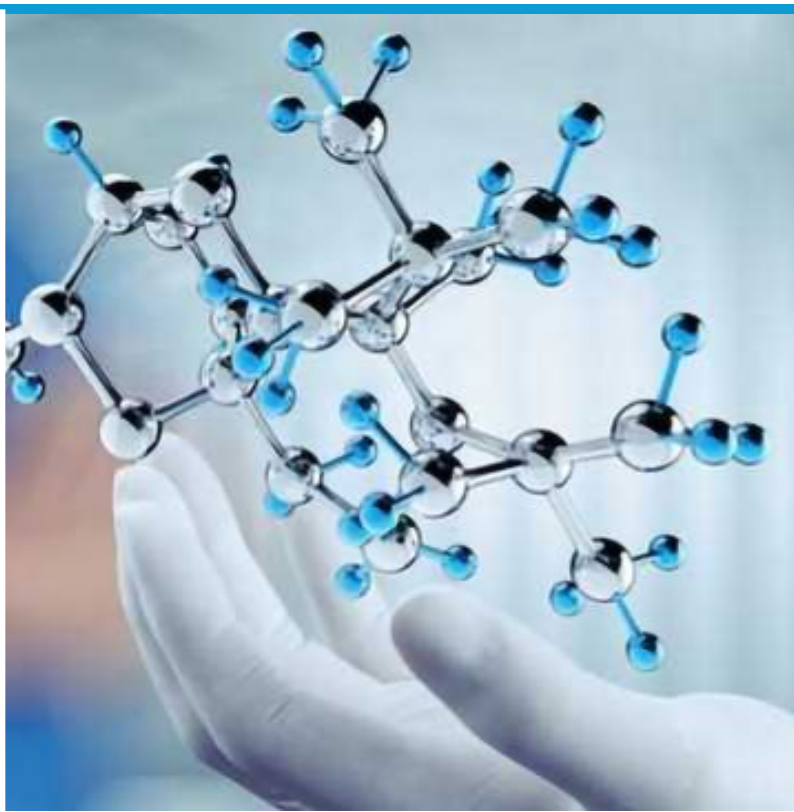
ADVANCES IN MEDICINAL CHEMISTRY AND PHARMACOLOGY

4th Premier Global Conclave and Expo on

INNOVATIONS IN DRUG DISCOVERY, DEVELOPMENT & DELIVERY

April 2026 | London, UK

SCIENTIFIC PROGRAM



VIRTUAL EVENT

Joint Event on

**ADVANCES IN MEDICINAL CHEMISTRY
AND PHARMACOLOGY**

&

**INNOVATIONS IN DRUG DISCOVERY,
DEVELOPMENT & DELIVERY**

April 04, 2025

SCIENTIFIC PROGRAM

APRIL 04, 2025

Greenwich Mean Time

07:40-07:50

Introduction

Sessions: Medicinal Chemistry | Drug Discovery, Design and Development | Novel Drug Delivery Systems | Computer Aided Drug Design | Pharmacogenomics and Personalized Medicine | Orphan Drugs and Rare Diseases | Molecular Docking and Computational Drug Design | Biologics and Biosimilars | Drug Safety and Pharmacovigilance | Personalized Therapies | Pharmacogenomics | Toxicology

Distinguished Speaker Talks

07:55-08:10

Title: Development of a First-in-Class AUTOTAC Targeted Protein Degradator for Pathological Tau Aggregates in Tauopathies

Su Bin Kim, Seoul National University, South Korea

08:10-08:30

Title: Water Clarification and Impact Transfer on Tissues in Wet Contact

Juhani H. Pylkkanen, SansOx Ltd., Switzerland

08:30-08:50

Title: Smart Epoxy Coatings: Revolutionizing Metal Protection with Self-Healing and Multifunctional Capabilities using Biopolymers

Demian I. Njoku, Hong Kong Metropolitan University, China

08:50-09:10

Title: Effects of Leukocyte- and Platelet-Rich Fibrin on Diabetic Foot Ulcers: A Retrospective Study

Fen Wang, Tongji Hospital, Huazhong University of Science and Technology, China

09:10-09:30

Title: Primary Side Effect Mechanisms of Covid-19 Vaccines and Serious Pathologies

Beril Anilanmert, Istanbul University-Cerrahpasa, Turkiye

09:30-09:50

Title: Anomaly Detection in Drug Discovery

Ekin Can Erkuş, Huawei Technologies, Turkey R&D Center, Türkiye

09:50-10:10

Title: Mutagenic Azido Impurities in Drug Substances: A Perspective

Sumit Sunil Chourasiya, IOL Chemicals and Pharmaceutical Ltd., India

10:10-10:30	Title: Exploration of Cultivable Actinomycetes in Producing Extracellular Enzymes and their Therapeutic Applications Jayachandra S. Yaradoddi , <i>Basaveshwar Engineering College, India</i>
REFRESHMENT BREAK 10:30-10:45	
10:45-11:05	Title: Early-Stage Detection of Furcation Radiolucency in Primary Mandibular Molars using Vision Transformer Naveen Aggarwal , <i>UIET-Panjab University, India</i>
11:05-11:25	Title: Triclosan-Induced Histopathological Alterations, Oxidative Stress and Immune Dysfunction in the Skin of the Fish, <i>Cyprinus carpio</i> Usha Kumari , <i>Banaras Hindu University, India</i>
11:25-11:45	Title: Acoustic Wave-Enhanced Disruption of Cellular Membranes: Implications for Medicinal Chemistry and Diagnostics Sushama Agarwalla , <i>Indian Institute of Technology Hyderabad, India</i>
11:45-12:05	Title: Antimicrobial Potential of <i>Potentilla indica</i> (Andrews) Th. Wolf Extracts against ESKAPE Pathogens and <i>Candida albicans</i> : A Step Towards Combating Antimicrobial Resistance Dimple Guleria , <i>Himachal Pradesh University, India</i>
12:05-12:25	Title: Nrf2 a Novel Target of Cancer Treatment Muhammad Haidar Zaman , <i>Abasyn University, Pakistan</i>
12:25-12:45	Title: Impact of Green Pathways on Memory and Cognition: Identification of Potential Therapeutic Agents for Alzheimer's Disease to Improve Mental Health Mehreen Lateef , <i>Bahria University College of Allied Health Sciences, Pakistan</i>
12:45-13:05	Title: A Randomized, Double-Blind, Placebo-Controlled Trial Assessing the Efficacy and Safety of a Fixed-Dose Combination (FDC) of METformin Hydrochloride 1000 mg ER, Sitagliptin Phosphate 100 mg and Dapagliflozin Propanediol 10 mg in Indian Adults with Type 2 Diabetes: The MESIDA Trial Akhilesh Sharma , <i>Alkem Laboratories Mumbai, India</i>
13:05-13:25	Title: Insights on Sirtuin 5 activators Arianna Gelain , <i>University of Milan, Italy</i>
13:25-13:45	Title: Assessment of the Antileishmanial Activity of Diallyl Sulfide Combined with Meglumine Antimoniate on <i>Leishmania major</i> : Molecular Docking <i>in vitro</i> and Animal Model Farzaneh Zarrinkar , <i>Kerman University of Medical Sciences, Iran</i>

13:45-14:05	Title: Novel Effect of Topical Roquinimex and its Combination with Clobetasol on an Imiquimod-Induced Model of Psoriasis in Mice Abeer Mohammed Hasan Garma , <i>Uruk University, Iraq</i>
14:05-14:25	Title: Sodium Citrate Buffer Improves Pazopanib Solubility and Absorption in Gastric Acid-Suppressed Rat Model Huda Jassim Muhammad , <i>Karbala University, Iraq</i>
14:25-14:45	Title: Effect of <i>Melia azedarach</i> Seed Mediated Nano-ZnO on Growth Performance, Protein Utilisation Efficiency, Haematology and Nutritional Status in Pigs Enathi Dinga , <i>North West University, South Africa</i>
14:45-15:05	Title: Social Determinants for the use of Complementary and Alternative Therapies among Women During Pregnancy, Labor and Postpartum Period in Low Income Countries: A Scoping Review Mabel Kefilwe M. Magowe , <i>University of Botswana, Botswana</i>
15:05-15:45	Title: Silver Nanoparticles as SERS Substrates for Enhanced Raman Spectroscopy in Antimicrobial Drug Analysis Title: Advancing Vibrational Spectroscopy for Biomedical Applications Maria Cristina Gamberini , <i>University of Modena and Reggio Emilia, Italy</i>
Refreshment Break 15:45-16:00	
16:00-16:20	Title: The Creative Process in Scientific Discovery Albert Rothenberg , <i>Harvard Medical School, USA</i>
16:20-16:40	Title: Novel Small Molecules Mimic Molecular and Protective Effects of Dietary Restriction to Inhibit Proteotoxicity and Inflammation and Increase Lifespan Charles Mobbs , <i>Icahn School of Medicine at Mount Sinai, USA</i>
16:40-17:00	Title: Discovery of Antibodies that Modulate Macrophage Functions in Boosting Cancer Immunotherapy Jianyong Wang , <i>Genentech, USA</i>
17:00-17:20	Title: Guiding the Repair Process Marcos Barbosa Salles , <i>Marcelo Yoshimoto Institute, Brazil</i>
17:20-17:40	Title: Human Plasma Kallikrein/Kinin and Plasminogen Activation Systems: A Crosstalk in Breast Cancer Guacyara da Motta , <i>Universidade Federal de São Paulo, Brazil</i>

17:40-18.00

Title: Comparing the Generalizability of Reliability-Based vs. Accuracy-Based Diagnostic Models in Medical and Healthcare Applications

Sepideh Etemadi, *University of Minnesota Duluth, USA*

NETWORKING

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