

SCIENTIFIC PROGRAM

8th International Virtual Conference on Nucleic Acids and Molecular Biology (ICNAMB 2026)

April 24-25, 2026 | Virtual Conference

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ICNAMB 2026

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ICNAMB 2026, April 24-25, 2026

April 24, 2026

Time Zone: GMT+1 | Time: 10:00 AM, London, UK Time

Opening Ceremony | 10:00-10:05

Keynote Speaker Session

10:05-10:30

Speaker: Dr. Jingwei Guo, Capital Medical University, China

Presentation Title: Nucleic Acid Diversity in cGAS-STING Pathway Activation and Immune Dysregulation

10:30-10:55

Speaker: Dr. Ana Kuprešanin, University of Novi Sad, Serbia

Presentation Title: Advanced Nanomaterial-Based Electrochemical Biosensing of Loop-Mediated Isothermal Amplification Products

10:55-11:20

Speaker: Dr. Mariusz Kluska, University of Siedlce, Poland

Presentation Title: Occurrence, Properties, Applications and Analytics of Cytosine and Its Derivatives

11:20-11:45

Speaker: Dr. Lucas Kettner, University of Hohenheim, Germany

Presentation Title: A Diamine Oxidase from *Glutamicibacter halophytocola* for the Degradation of Histamine and Tyramine in Foods

11:45-12:10

Speaker: Dr. Francesca Ferrara, University of Ferrara, Italy

Presentation Title: A Pre-Formulation Study for Delivering Nucleic Acids as a Possible Gene Therapy Approach for Spinocerebellar Ataxia Disorders

12:10-12:35

Speaker: Dr. Peng Sun, Luoyang Normal University, China

Presentation Title: High-Density Microfluidic Chip with Vertical Structure for Digital PCR

12:35-13:00

Speaker: Dr. Elżbieta Okła, University of Lodz, Poland

Presentation Title: Crossing Barriers: PEGylated Gold Nanoparticles as Promising Delivery Vehicles for siRNA Delivery in Alzheimer's Disease

Plenary Speaker Session

Session Chairperson Details

Dr. Elżbieta Okła, University of Lodz, Poland

Session Details

Session 01: Nucleic Acid Structure, Chemistry & Function
Session 02: Genome Biology & Regulation
Session 03: Advanced Genomic Technologies
Session 04: RNA Biology & RNA Therapeutics
Session 05: DNA-Based Tools & Gene Engineering
Session 06: Nucleic Acid Delivery Systems
Session 07: Diagnostics & Biomarker Discovery
Session 08: Therapeutic Applications
Session 09: Computational & Systems Biology of Nucleic Acids

13:00-13:25

Speaker: Dr. Miran Tang, Wenzhou Medical University, China

Presentation Title: The properties of linezolid, rifampicin, and vancomycin, as well as the mechanism of action of pentamidine, determine their synergy against Gram-negative bacteria

13:25-13:50

Speaker: Dr. Iuliana Cocean, Alexandru Ioan Cuza University of Iasi, Romania

Presentation Title: High Power Pulsed Laser Technology in Obtaining Hemp-Based Nano-Bio-Composite Thin Films for TDD Medical Devices (Transdermal Drug Delivery Systems) and Solar Cell Component

13:50-14:15

Speaker: Dr. Bryan I. Ruiz, University of California, United States

Presentation Title: Alpha-Ketoglutarate Regulates Tnfrsf12a/Fn14 Expression via Histone Modification and Prevents Cancer-Induced Cachexia

14:15-14:40

Speaker: Dr. Carolina Otero, Universidad Andres Bello, Chile

Presentation Title: Characterization of the molecular mechanism of Quillaic Acid from Quillaja Saponaria Mol. as an anti-inflammatory agent

14:40-15:05

Speaker: Dr. Phakamani Hopewell Tsilo, University of Zululand, South Africa

Presentation Title: Application of silver nanoparticles synthesized by a green method from a bioflocculant derived from Pichia kudriavzevii isolated from Kombucha tea SCOBY

Poster Presentation (15:05 -17:00)

RWI001

Speaker: Dr. Seohyun Park, Auckland University of Technology, New Zealand

Presentation Title: Screening of a Combinatorial Library of Triazine-Scaffolded Dipeptide-Mimic Affinity Ligands to Bind Plasmid DNA

RWI002

Speaker: Dr. Sedigheh Salami, Alzahra University, Tehran, Iran

Presentation Title: Nanoparticle-Based Delivery Strategies for Combating Drug Resistance in Cancer Therapeutics

RWI003

Speaker: Dr. Almas Naeem ,Dow University of Health Sciences, Pakistan

Presentation Title: Effect of Leflunomide-Metal Complexes on ROS, TNF and Brain Indolamines in Comparison with Anti-Depressants as Adjunct Therapy in Rheumatoid Arthritic Model

RWI002

Speaker: Dr. Sajitha Somasundaran Nair, Cochin University of Science and Technology, India

Presentation Title: Quantifying Autonomic Dysfunction - A Novel Biomarker of Alzheimer’s disease

RWI003

Speaker: Dr. Ramakanth Pagadala, CVR College of Engineering, India

Presentation Title: Construction of new heterocycles by adopting 12 green chemistry principles

End of Session | Closing & Award Ceremony