

# World Biotechnology And Bioengineering Congress

23-25 September 2024  
Village Hotel Changi, Singapore

## Exhibitor



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# SCIENTIFIC PROGRAM

DAY 01 - September 23, 2024  
Sphere 1, Village Hotel Changi,  
Singapore

08:30-09:30 Registrations

09:30-09:45 Opening Ceremony

## Keynote Forum

09:30-10:10 **Title: Causal relationship between immune cells and gastroduodenal ulcer: A Mendelian randomization analysis**

**Hui Tang**, *The First People's Hospital of Yunnan Province, China*

10:10-10:50 **Title: Leveraging machine learning and vibrational spectroscopy for enhanced cancer diagnostics**

**Parmita Mishra**, *Precigenetics, United States*

## Group Photo

### Refreshments Break @ 10:45-11:05 @ Sphere Foyer

11:10-11:50 **Title: The role of histone mutations in human disease**

**Kui Ming Chan**, *City University of Hong Kong, Hong Kong*

11:50-12:30 **Title: From retinoids to DNA polymerase inhibition in cancer therapeutics**

**Nadine Darwiche**, *American University of Beirut, Lebanon*

12:30-13:10 **Title: Influence of remnant lipoprotein article cholesterol on non-target lesions progression in patients undergoing percutaneous coronary intervention**

**Li Liang**, *Xuzhou Medical University, China*

### Networking Lunch Break @ 13:10-14:00 @ The Blue Tiffin

14:00-14:40 **Title: China's regimen of fulminant myocarditis**

**Dao Wen Wang**, *Tongji Hospital, China*

14:40-15:20 **Title: Warfarin resistance or coagulopathy and fight against reoperation from mechanical to bioprosthetic valves: A case report**

**Souna Boyadjian**, *Nork Marash Medical Center, Armenia*

## Speaker Session:

**Session Chair: Dao Wen Wang**, *Tongji Hospital, China*

15:20-15:45 **Title: Self-recruited neutrophils trigger over activation of innate immune response and phenotypic change of cardiomyocytes in fulminant viral myocarditis**

**Huihui Li**, *Tongji Hospital, China*

15:45-16:10 **Title: Frequency of high degree atrioventricular block in patients with acute anterior wall myocardial infarction**

**Waqas Dar**, *Rehmatul lil Alameen Institute of Cardiology, Pakistan*

### Refreshments and Networking Break @ 16:10-16:30 @ Sphere Foyer

16:30-16:55 **Title: Factors affecting door to balloon time for patients presenting with ST segment elevation myocardial infarction for primary angioplasty in a tertiary care centre in western India**

**Anand Ahuja**, *Rhythm Heart Institute, India*

16:55-17:20 **Title: Impact of intra-aortic balloon pump support on early outcomes in coronary artery bypass grafting for patients with reduced left ventricular ejection fraction: A single-center study**

**Abir Tazim Chowdhury**, *Evercare Hospital Dhaka, Bangladesh*

17:20-17:45 **Title: Percutaneous device closure of sub aortic and doubly committed Ventricular Septal Defect (VSD) case series from Bangladesh**

**Nurun Nahar Fatema**, *LabAid Cardiac Hospital, Bangladesh*

17:45-18:10 **Title: The treatment effects of Immunoglobulin on Fulminant Myocarditis (FM) was controversial**

**Chen Chen**, *Tongji Hospital, China*

Panel Discussions & B2B Meetings

Day 01 End | Closing Ceremony

# SCIENTIFIC PROGRAM

DAY 02 - September 24, 2024  
Sphere 1, Village Hotel Changi,  
Singapore

08:50-09:00 Opening Ceremony

## Keynote Forum

09:30-10:00 **Title: The stability and delivery challenges of commercial nucleic acid therapeutics**  
**Rahul G Ingle**, *Datta Meghe College of Pharmacy, DMIHER, India*

**Speaker Session:**

**Session Chair: Nadine Darwiche**, *American University of Beirut, Lebanon*

10:00-10:25 **Title: Icariside II induced ferroptosis to suppress the progression of NSCLC through activation of the mitochondrial dysfunction**

**Fei Xu**, *Affiliated Hospital of Shandong University of Traditional Chinese Medicine, China*

10:25-10:50 **Title: The Five Reasons Biotech Companies Fail to Raise Capital and How to Fix Them**  
**David Dobkin**, *LifeSci Capital LLC, USA*

## Refreshments and Networking Break @ 10:50-11:10

11:10-11:35 **Title: The Synthesis of 2-amino-3- benzylindolizines with using the mixture of halides n-benzyl-2-halogenpyridines and CH-acids – derivatives acetonitrile**

**Kyryl Bocharov**, *Luhansk Taras Shevchenko National University, Austria*

11:35-12:00 **Title: Obtaining new recombinant cysteine synthase A from Limosilactobacillus reuteri LR1 and studying its properties**

**Natalia Chikurova**, *The Federal Research Centre of the Russian Academy of Sciences, Russia*

12:00-12:25 **Title: Expression optimization of the recombinant peptidase M23 from Limosilactobacillus reuteri LR1**

**Leonid Shaposhnikov**, *The Federal Research Centre of the Russian Academy of Sciences, Russia*

12:25-12:50 **Title: Armadillidium vulgare miR-2863 Inhibits Liver Cancer Cell Proliferation, Migration, and Invasion via the Bcl-2/Bax/Caspase-3 Signaling Pathway**

**Chun Yi**, *Hunan University of Chinese Medicine, China*

## Networking Lunch Break @ 12:50-13:40

13:40-14:05 **Title: An increase in the cardiac consultation of suspected cardiac involvement symptoms with unaltered etiology during the post-COVID-19 period**

**Yaqi Tang**, *Qingdao Women and Children's Hospital, Qingdao University, China*

14:05-14:30 **Title: Minimally invasive cardiac surgery in pediatrics patients**

**Mujeeb Ur Rehman**, *Peshawar Institute of Cardiology, Pakistan*

14:30-14:55 **Title: Determination of bioactive compounds in selected medicinal plants and their activity evaluation**

**Binita Pokhrel**, *Purejoy Private Limited, Nepal*

## Poster Session @ 14:55-15:40

SP0101 **Title: Innovative 2D nanoplatfoms for advanced multi-drug delivery in future cancer treatments**

**Zarska Ludmila**, *Palacky University Olomouc, Czech Republic*

SP0102 **Title: Graphene derivatives as a way to understand cancer cell processes for potential targeted therapies**

**Chaloupkova Zuzana**, *Palacky University Olomouc, Czech Republic*

SP0103 **Title: Plasma small RNAs as predictive and monitoring biomarkers for immunotherapy response in advanced gastric cancer**

**Fang Jingshuai**, *Southeast University, China*

SP0104 **Title: A Novel Automated Microfluidic Cartridge-Based Platform for Nucleic Acid Extraction**  
**Elian Rakhmanaliev**, *One BioMed, Singapore*

## Refreshments and Networking Break @ 15:40-16:00

Panel Discussions & B2B Meetings

Day 02 End | Closing Ceremony

# SCIENTIFIC PROGRAM

DAY 03 - September 25, 2024

GMT +2 | VIRTUAL | ZOOM

09:00-09:10 Opening Ceremony

## Keynote Forum

09:10-09:40 **Title: A Novel Green Chemistry Approach for Silver Nanoparticles Production for Intended Pharmaceutical Applications**

**Abhishek Gupta**, *University of Wolverhampton, United Kingdom*

09:40-10:10 **Title: Impact of PBPK and PBBM in Generic Drug Product Development**

**Sivacharan Kollipara**, *Dr. Reddy's Laboratories Ltd., India*

10:10-10:40 **Title: Hot Melt Extrusion an Emerging Drug Delivery Technology**

**Rashid Mahmood**, *Surge Laboratories Private Limited, Pakistan*

10:40-11:10 **Title: Lactococcus Lactis as a Promising Factory to Express & Characterize Membrane Proteins**

**Annie Frelet-Barrand**, *FEMTO-ST Institute, France*

Refreshments Break @ 11:10-11:20

## Speaker Session

11:20-11:40 **Title: Quality Risk Management System in Pharmaceuticals**

**Syed Asif Shah**, *Nabiqasim Group of Industries, Pakistan*

11:40-12:00 **Title: Unlocking the Potential of Agro-Biotechnology for Sustainable Natural Product Development**

**Zubair Ameen**, *Khwaja Fareed University of Engineering and Information Technology, Pakistan*

12:00-12:20 **Title: 123VCF: An Intuitive and Efficient Tool for Filtering VCF Files**

**Milad Eidi**, *Tarbiat Modares University, Iran*

12:20-12:40 **Title: Revolutionizing Healthcare: 3D Bioprinting Protocols for Innovative Medicine**

**Suchita Waghmare**, *Rashtrasant Tukadoji Maharaj Nagpur University, Iran*

## Keynote Forum

12:40-13:10 **Title: Generics Product Development & its Introduction for the US Market**

**Solid Dosage (Tablet & Capsules)**

**Masihuddin Jaigirdar**, *Mj Pharmconsult, USA*

Refreshments Break @ 13:10-13:20

## Speaker Session

13:20-13:40 **Title: Complexities and Potential of Multimodel Resins to Overcome protein Purification Challenges**

**Maryam Moazami**, *Pasteur Institute, Iran*

13:40-14:00 **Title: SOD1 is a Druggable Target in Platinum-Resistant Ovarian Cancer**

**Attila Szenasi**, *University of North Carolina at Chapel Hill, United States*

14:00-14:20 **Title: Characterization, Antibacterial, and Cytotoxic Activities of Silver Nanoparticles Using the Whole Biofilm Layer as a Macromolecule in Biosynthesis**

**Aghapy Yermans Yakoup**, *Zewail City for Science and Technology, Egypt*

14:20-14:40 **Title: Paracetamol is the most unscientific and dangerous drug for fever. Anyone can create a fever within hours using antipyretic objects**

**Yacob Mathai**, *Marma Health Centre, India*

14:40-15:00 **Title: Priming with Plant Extracts induces defense in host plant against pathogen**

**Anirudh Kumar**, *Central Tribal University of AP (CTUAP), India*

15:00-15:20 **Title: Targeting MMPs to overcome Cisplatin chemoresistance in ovarian cancer: Insights from RNA-Seq analysis and 3D structural alignment**

**Hadi Alizadeh**, *Tarbiat Modares University, Iran*

15:20-15:40 **Title: Design and synthesis of oncolytic adenovirus encoding Hsp70 adjuvant fused to E6 and E7 antigenic sequences of Human Papillomavirus Types 16 and 18, and investigation of its therapeutic effects in a cervical cancer mouse model**

**Maryam Fazeli**, *Motamed Cancer Institute, ACECR, Iran*

# SCIENTIFIC PROGRAM

**15:40-16:00** Title: **Towards a Sustainable Biomolecule Delivery Platform Employing Carbon Nanotubes-Fortified Bacterial cellulose/Gelatin Nanocomposites**  
**Bahareh Behrouznejad**, *Royan Institute for Biotechnology, Iran*

## E-Poster

**EP0101:** Title: **Investigation of the Tribological Properties of Cartilage-on-Cartilage and Cartilage-on-Glass Under Different Liquid Lubricants**  
**16:00-16:15** **Haytam Kasem**, *Azrieli College of Engineering Jerusalem, Israel*

**Day 03 End | Awards and Closing Ceremony**

## Exhibitor



Lambda Biologics is a cutting-edge biotechnology company specializing in animal-free solutions, particularly organoid technology. Our platform is versatile and can be applied to drug screening and toxicity testing, not only for pharmaceutical drugs but also for cosmetics and health functional foods.

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## UPCOMING CONFERENCES

### **Global Summit on Geriatrics and Gerontology**

9-11 July 2025 | Prague, Czech Republic

[geriatrics@frontiersevents.com](mailto:geriatrics@frontiersevents.com)

<https://scholarsconferences.org/geriatrics-gerontology/>

### **World Congress on Advances in Applied Science and Engineering**

September 15-17, 2025 | Singapore

<https://scholarsconferences.org/applied-science-engineering/>

### **World Biotechnology and Bioengineering Congress**

November 03-05, 2025 | Melbourne, Australia

[secretariat@biotech-congress.com](mailto:secretariat@biotech-congress.com)

<https://biotech-congress.com/>

