

FINAL-PROGRAMME



International Conference on

BIOMED-2024

Biomedical Engineering and Biotechnology

August 19-21, 2024 | Webiner





biomed2024@xpertsmeetings.org



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DAY -1 AUGUST 19, 2024

DAI -1 ACCCC1 17, 2024						
Time Zone: Beijing, Asia (GMT+8)						
09:00-09:30 Opening Ceremony						
-		Plenary & Keynote Session				
		Conference Chair: Zhang Michael, USA Title: Human Nanomedicine: Real Clinical Results with Nanomaterials and Future Directions with Magnetic				
09:30-10:10	P	Materials				
		Thomas Webster, Hebei University of Technology, China				
40 40 40 45	,,,	Title: Attempts to Decode Genome Information using the LLM Techniques				
10:10-10:45	K	Kenta Nakai, University of Tokyo, Japan				
		Title: Potential Emergence of Memory in Somatic Tissues through Collective Computation in Cell				
10:45-11:20	K	Communities				
		Sandhya Samarasinghe, Lincoln University, New Zealand				
11:20-11:55	к	Title: TBA				
		Mergen Ghayesh, The University of Adelaide, Austraila				
Invited Session						
11:55-12:25	Ī	Title: Engineering Bioactive Synthetic Polymers for Biomedical Applications				
11.00 12.20	· ·	Phuong Pham, University of New South Wales, Australia				
12:25-12:55	I	Title: Biological Activities and Analysis of Active Compounds from Marine-Derived Microorganisms				
		Byeoung-Kyu Choi, Dongyang Mirae University, South Korea				
		Title: The Novel Photoreception Mechanism of Channelrhodopsins:Toward Advancements in Optogenetics				
12:55-13:25	I	and Vision Restoration Therapies				
		Tatsuki Tanaka, University of Tokyo, Japan				
13:25-13:55	1	Title: TBA				
15.25 15.55	•	Osamu Nureki , University of Tokyo, Japan				
13:55-14:25	្	Title:TBA				
13:55-14:25	I	Hidetaka Oshima, University of Tokyo, Japan				
2000 0000000000000000000000000000000000		Title: Establishment of a Platform for the Development of Novel xCT Inhibitors				
14:25-14:55	I	Ryosuke Zaitsu, University of Tokyo, Japan				
1		Title: Structural Basis for Modulation and Stabilization of the Ion Channel Complexes by				
14:55-15:25	1	Auxiliary Subunits				
		Yoshiaki Kise, University of Tokyo, Japan				
		Title: TBA				
15:25-15:55	Ī	Fumiya Sano, University of Tokyo, Japan				
	I	Title: TBA				
15:55-16:25		Ikko Nureki, University of Tokyo, Japan				
SCHOOL CANCEL INSURED CANCEL		Title: TBA				
16:25-16:55	I	Aika Iwama, University of Tokyo, Japan				
	8	Title: TBA				
16:55-17:25	I	Giuditta Franco, University of Verona, Italy				
		Title: Metallic Implant Surface Modification by Bioactive Hydroxyapatite				
17:25-17:55	I	Yessie Widya Sari, IPB University, Indonesia				
4		Title: Soft Magnetic Composites for Medical Applications				
17:55-18:25	I	Yunsong Shi, Huazhong University of Science and Technology, China				
40.05.40.55		Title: Algorithms for Proteoform Identification and Quantification				
18:25-18:55	I	Lusheng Wang, City University of Hong Kong, Hong Kong				
10 == 10 ==	-	Title: Design and Pharmacological Elucidation of Novel Anti-Parkinson's Hybrids				
18:55-19:25	ı	Mak Shing Hung, Technological and Higher Education Institute of Hong Kong, Hong Kong				
10-25 10 55	÷	Title:TBA				
19:25-19:55	I	Dahms Hans-Uwe, Kaohsiung Medical University, Taiwan				
CALL DANSHALLER CALLER		Title: Models and Data for Industry 4.0 Implementation in Biomanufacturing - A Chicken and Egg Problem				
19:55-20:25	I	Visit V. Company Tooknigal University of Dormants Dormants				
		Krist V. Gernaey, Technical University of Denmark, Denmark				
20:25-20:55	I	Title: Neuropretective Effects of Esculetin a Natural Coumarin, On PC12 Cells and Zebrafish Chan Shun Wan Technological and Higher Education Institute of Hang Yong Hang Yong				
	₹.	Chan Shun Wan, Technological and Higher Education Institute of Hong Kong, Hong Kong				
20.55 24.25		Title: The Novel Compact Handheld Optical Coherent Tomography Probe for Imaging Oral Soft Tissue				
20:55-21:25	I	Alok Kushwaha, The University of Adelaide, Australia				
		Title: Noninvasive Metabolomics by Finger Sweat Analysis Supports Management of Chronic Diseases				
21:25-21:55	I	Christopher Gerner, University of Vienna, Austria				
		Title: Orchestrating Timely Interplay between Endogenous Stem Cells and Macrophages for Tendon				
21:55-22:25	I	Regeneration				
		Chang H. Lee , Columbia University, USA				
	1,00,000	Title: Developments in Microwave Thermoacoustic Tomography Imaging (MTTI) Systems for Biomedical				
22:25-23:00	К	Applications Lamas C. Lin University of illinois chicago USA				
		James C. Lin, University of illinois chicago, USA Title: Addiction Neurobiologists Should Study Resilience				
23:00-23:30	I	Alexandra Dawn Rogers Beasley, University of California, USA				
		Alexandra Dawii Rugers Deasiey, Uliversity Of California, USA				

End of Day 1

DAY -2 AUGUST 20, 2024

Time Zone: London, UK (GMT+1)						
09:00-09:30	Opening					
		Plenary & Keynote Session				
00.00.40.40		Title: Towards the Concept and Implementation of Digital Twin in Biomedical Signals and Image Processing				
09:30-10:10	P	Sergio Cerutti, Politecnico di Milano, Italy				
=						
10:10-10:50	P	Title: Surface Slicing and Toolpath Planningfor In-Situ Skin Bioprinted Implants				
		Aleksander Czekanski, York University, Canada				
10:50-11:30	P	Title: Interaction of Electromagnetic Radiation with Magnetic Nanovectors in Cells				
		Manuel Ricardo Ibarra, Universidad de Zaragoza, Spain				
	К	Title: Integrating Biomedical Computational Modelling with 3D Printing for Musculoskeletal Biomechanics				
11:30-12:10		and 3D Printed Medical Devices				
		Xijin Hua, University of Exeter, UK				
		Invited Session				
12:10-12:40	ı	Title: Pathological Roles of Aquaporin-4 in Neurodegenerative Disorders				
12.10-12:40		Masato Yasui, Keio University School of Medicine, Japan				
		Title: Establishing a Rapid Response Technology to the Emergence of a New RNA Virus by				
12:40-13:10	I	Developing an RNA Treatment Platform Using Cas13b gene Scissors Technology				
		Sangmin Kang, Jeonbuk National University, South Korea				
40.40.45.45		Title: Delta (B1.617.2) Variant of SARS-CoV-2 Induces Severe Neurotropic Patterns in K18-hACE2 Mice				
13:10-13:40	I	Ju-Hee Yang, Jeonbuk National University, South Korea				
1		Title: Pseudoknot-Targeting Cas13b Combats SARS-CoV-2 Infection by Suppressing Viral Replication				
13:40-14:10	I	, ,, ,				
		Hee-Jeong Han, Jeonbuk National University, South Korea				
14:10-14:40	I	Title: Placenta-on-A-Chip: Exploring Maternal-Fetal Interface				
		Jee Yoon Park , Seoul National University, South Korea				
14:40-15:10	1	Title: Next Generation Drug Screening Platform for Precision Oncology				
14:40-15:10	I	Jin-Ku Lee, Seoul National University College of Medicine, South Korea				
100 1000 100	BA	Title: Investigating Synergistic Effects of ProbioticFformulas for Toxin Reduction in Wine				
15:10-15:40	I	Emily Siu Mei Choi, Technological and Higher Education Institute of Hong Kong				
·		Title: Preliminary Study of the Influence of Obstetric Data on Uterine Myoelectric Activity in the Third				
15:40-16:10	I	Trimester of Pregnancy				
		Gema Prats Boluda, Valencia Polytechnic University, Spain				
	I	Title: Gold Nanorods Synthesis and Scale-Up for Photoacoustic Theranostic Nanomedicine Approach Against				
16:10-16:40		Bladder Cancer				
		Mauro Comes Franchini, University of Bologna, Italy Title: Novel System Design for the Bioactive Compounds Production				
16:40-17:10	I	3 and disconstitution of the constitution of t				
	-	Galaction Anca Irina, Grigore T. Popa University of Medicine and Pharmacy of lasi, Romania				
1710:-17:40	I	Title: Multiple Instance Learning: A New Frontier for Explainable Medical Images Analysis				
		Eugenio Vocaturo, University of Calabria, Italy				
		Title: Encapsulation of Active Components in Chitosan and Pectin for Application in Antimicrobial				
17:40-18:10	I	Food-Packaging				
-		Jelena Jovanovic, University of Belgrade, Serbia Title: The Potential of Transnational Education Partnerships for Ergonomics and Bioengineering Innovations				
18:10-18:40	I	- ErgoDesign				
		Tihomir Dovramadjiev, Technical University of Varna, Bulgaria				
18:40-19:10	I	Title: ¹⁸ F-Al-Radiolabelling Optimization of PSMA-11 for PET Imaging. Application of an Agile Quality by				
		Design Approach				
		Thierry Bastogne, Université de Lorraine, France				
19:10-19:40	I	Title: Control of Cell Culture Microenvironments Using Programmable Systems Maheshwar Adiraj Iyer, Nuclera Corp, USA				
End of Day 2						
End of Day 2						

DAY -3 AUGUST 21, 2024

Time Zone: Chicago USA (GMT-5)					
09:00-09:10	Opening	Ceremony			
Plenary Session					
00 40 00 50		Title: Single Cell Metabolomics Technology and Spatial Omics Data Resource			
09:10-09:50	P	Zhang Michael, University of Texas at Dallas, USA			
00 50 40 00		Title:			
09:50-10:30	P	Feng Ziding, Fred Hutchinson Cancer Research Center, USA			
		Invited Session			
10:30-11:00		Title: Western Red Cedar (Thuja plicata) Essential Oil as a Potential Biopesticide Against Phytophthora			
	I	Pathogens			
		Sanja Perać , University of Belgrade, Serbia			
		Title: Nanoencapsulation of Plant Extracts into Biodegradable Polymer- Development of New Biopesticide for			
11:00-11:30	I	the Spongy Moth Control			
		Goran Branković , University of Belgrade, Serbia			
11:30-12:00	I	Title: Bio-Nanocomposites for Active Food Packaging			
11.50-12.00	1	Zorica Brankovic, University of Belgrade, Serbia			
12:00-12:30	I	Title: Mechanisms for Modifying Activated Carbon for Enzyme Immobilization			
12.00 12.50	•	Mateus Pereira Flores Santos, State University of Southwest Bahia(UESB), Brazil			
12:30-13:00	I	Title: Bacterial Engineering for Biomanufacturing			
12.00 10.00	*	Melanie Arbour, National Research Council Canada, Canada			
13:00-13:30	I	Title: Development of 3D Bioprinted Vascular Tissue Models for Therapeutic Screening			
10100 10100		Jezierski Anna, National Research Council of Canada, Canada			
	52	Title: The Role of P2X7 and P2Y2 Receptors in Mediating Breast-To-Brain Metastatic Transition and			
13:30-14:00	I	Phenotypic Plasticity			
		Claudiana Lameu, University of São Paulo, Brazil			
14:00-14:30	١.	Title: Improved 3D bioprinting Neural Progenitor Cell Constructs Using Gelatin Methacryloyl			
	1	(GelMA)/Pluronic F127 Bioink for Neuron-Astrocyte Differentiation			
		Ma Hui Ling, University of São Paulo, Brazil			
14:30-15:00	I	Title: Micro Bubbles as Drug-Carrying Agents in the Localized Treatment of Tumours,			
		Walter Duarte de Araújo Filho, State University of Bahia(UNEB), Brazil			
45.00.45.00	, r	Title: Advances in 2D Materials and Bioactive Glass Scaffolds for Application Tissue Engineering and Bone			
15:00-15:30	I	Regeneration Vetween Towardishvilli Coordina American University Coordin			
		Ketevan Tavamaishvili, Georgian American University, Georgia Title: A Review Graphene-Bioactive Glass Composites: Synthesis, Properties, and Applications			
15:30-16:00	I				
		Fariborz Sharifian Jazi, Georgian American University, Georgia Title: Effects Of Online Support And Social Media Communities On Gestational Diabetes: A Systematic Review			
16:00-16:30	I	The Enects of Online Support And Social Media Communities on destational Diabetes: A Systematic Review			
		Melissa D Katz, Weill Cornell Medicine, USA			
End of Day 3					
Life of Day 3					

2nd INTERNATIONAL CONFERENCE ON

BIOMEDICAL ENGINEERING AND BIOTECHNOLOGY

August 21-23 2025 | Barcelona, Spain



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