

5th Edition of International Conference on

Tissue Engineering and Regenerative Medicine

5th Edition of Euro-Global Conference on

Biotechnology and Bioengineering



IN-PERSON

Sheraton Skyline Hotel London Heathrow
Heathrow Airport, Bath Rd, London,
England, United Kingdom, UB3 5BP



VIRTUAL

British Summer
Time (BST)



18,19,20
Sept, 2025



COME AND JOIN US IN
LONDON, UK
OR VIRTUALLY



+1 (702) 988-2320



+1 (640) 666-9566

(IN-PERSON) @American Meeting Hall

DAY 01	Thursday		SEPT 18
		08:00-08:50	Registrations
		08:50-09:00	Opening Ceremony and Introduction
		09:00-12:50	In-person Keynote Presentations
		14:00-16:00	In-person Oral Presentations
		16:30-16:50	In-person Poster Presentations
		11:00-11:30	Coffee Break
		12:50-14:00	Lunch
		16:00-16:30	Coffee Break

(IN-PERSON) @American Meeting Hall

DAY 02	Friday		SEPT 19
		08:50-09:00	Opening Ceremony and Introduction
		09:00-12:10	In-person Keynote Presentations
		12:10-17:30	In-person Oral Presentations
		11:00-11:30	Coffee Break
		12:50-14:00	Lunch
		16:00-16:30	Coffee Break

(VIRTUAL SESSION-ROOM 01) @Zoom Meetings

DAY 03	Saturday		SEPT 20
		08:30-09:00	AV Check
		09:00-09:40	Virtual Keynote Presentation
		09:40-14:40	Virtual Oral Presentations
		14:40-16:40	Virtual Keynote Presentations

(VIRTUAL SESSION-ROOM 02) @Zoom Meetings

DAY 03	Saturday		SEPT 20
		08:30-09:00	AV Check
		09:00-10:20	Virtual Keynote Presentations
		10:20-15:20	Virtual Oral Presentations
		15:20-17:20	Virtual Keynote Presentations

Important Note

- The conference follows British Summer Time (BST) for both In-Person sessions and for Virtual sessions.
- When the program refers to "Local Timings" it means that the timing mentioned is based on the time zone of the presenter's country.
- In-person presentations will take place in the **American Meeting Hall**@Sheraton Skyline Hotel London Heathrow and Virtual presentations will take place in Zoom meetings.
- Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

Moderator: Hitesh Rana, Guru Angad Dev Veterinary and
Animal Sciences University, India

Chairs: Nagy Habib, Imperial College London, United Kingdom
Alexander Seifalian, Nanotechnology & Regenerative Medicine Commercialisation Centre
London, United Kingdom USA
Darwin Eton, Vasogenesis Inc., United States

British Summer Time(BST)

In-person	09:00-09:40	Keynote Presentations
		Alexander Seifalian, Nanotechnology & Regenerative Medicine Commercialisation Centre, United Kingdom
		Title: Graphene, butterfly structures, and stem cells: A revolution in surgical implants
In-person	09:40-10:20	
		Nagy Habib, Imperial College London, United Kingdom
		Title: mRNA and RNA biodistribution to brain and bones
In-person	10:20-11:00	
		Darwin Eton, Vasogenesis Inc., United States
		Title: Progenitor cell mobilization and induced neutrophilia promote neovascularization and fibrinolysis in chronically ischemic tissue
		Group Photo
		11:00-11:30 Coffee Break @Foyer
In-person	11:30-12:10	
		Lucie Bačáková, Institute of Physiology of the Czech Academy of Sciences, Czech Republic
		Title: A versatile principle for creating pre-vascularized tissue in vitro for soft and hard tissue engineering
In-person	12:10-12:50	
		Darwin Eton, Vasogenesis Inc., United States
		Title: Quantum physics and cells: The evolution of life from energy
		12:50-14:00 Lunch @Restaurant
In-person	14:00-14:20	Oral Presentations
		Laurie Mans, University of Applied Biosciences Leiden, Netherlands
		Title: Innovative educational strategies in tissue engineering: Integrating research into higher education
In-person	14:20-14:40	
		Soulmaz Sarkari, Carl Von Ossietzky University of Oldenburg, Germany
		Title: Optimizing melt-electrospun PLGA fibers with CuSO ₄ to improve endothelial cell support
In-person	14:40-15:00	
		Jingjing You, University of Sydney, Australia
		Title: Bioengineering human cornea for global supply

British Summer Time(BST)

In-person 15:00-15:20

Yi Min Khoong, NHS Fife, United Kingdom

Title: Interleukin 11 drives dermal fibroblast activation in mechanical stretch-mediated skin expansion

In-person 15:20-15:40

Hitesh Rana, Guru Angad Dev Veterinary and Animal Sciences University, India

Title: Expression dynamics of mesenchymal stem cell markers in canine adipose-derived stromal vascular fraction during culture

In-person 15:40-16:00

Jaber Haj Ali, Consulting Medical Lab, State of Palestine

Title: Combining old and new concepts in targeting telomerase for cancer therapy: Transient, Immediate, Complete and Combinatory Attack (TICCA)

16:00-16:30 | Coffee Break @Foyer

In-person P1

16:30-16:50 | Poster Presentation @Foyer

Céline Van Der Valk, Leiden University of Applied Sciences, Netherlands

Title: Innovative educational strategies in tissue engineering: Bridging theory & practice in higher education

Moderator: Luca Rybaltovszki, University of Edinburgh
Biotech Society, United Kingdom

Chairs: Yin Ying Ho, Agency for Science, Technology and Research (A*STAR), Singapore
Patrizia Ferretti, UCL Great Ormond Street Institute of Child Health, United Kingdom

British Summer Time(BST)

In-person	09:00-09:40	Keynote Presentations
	Tina Møller Tagmose, Novo Nordisk A/S, Denmark Title: Solving the challenges of engineering an ultra-long acting insulin	
In-person	09:40-10:20	
	Viggo Bitsch, Retired, Independent Researcher, Denmark Title: The lines of antigen-antibody interactions in vitro and their significance for sensitive and specific antigen and antibody assays, including hybrid ELISAs, and for the possibility of more efficacious vaccines	
In-person	10:20-11:00	
	Michele Mishto, The Francis Crick Institute, United Kingdom Title: Targeting noncanonical epitopes in anti-cancer immunotherapy	
		Group Photo
		11:00-11:30 Coffee Break @Foyer
In-person	11:30-12:10	
	Patrizia Ferretti, UCL Great Ormond Street Institute of Child Health, United Kingdom Title: Stem cell-derived models for studying human disease mechanisms and therapeutic interventions	
In-person	12:10-12:30	Oral Presentations
	Assad Alammam, Specialty Enzymes and Probiotics, United States Title: Effect of maltogenic amylase, high-performance maltogenic amylase enzymes, and Bacillus coagulans probiotic bacteria on the shelf life and other properties of baked bread and tortilla	
In-person	12:30-12:50	
	Yin Ying Ho, Agency for Science, Technology and Research (A*STAR), Singapore Title: Mass spectrometry-based approaches for process optimisation and product quality applications in biomanufacturing	
		12:50-14:00 Lunch @Restaurant
In-person	14:00-14:20	
	Alvina Farooqui, Integral University, India Title: Aluminium mediated expression of dehydration stress protein and ability of Al-acclimatized immobilized Nostoc muscorum: A strategy to combat abiotic stress and its potential as a biofertilizer	
In-person	14:20-14:40	
	Saba Siddiqui, Integral University, India Title: Actinobacteria as eco-friendly biopesticides: A sustainable approach to pest management	

British Summer Time(BST)

In-person 14:40-15:00

Arantxa Garcia Redon, AIMPLAS, Spain

Title: Waste-to-value: Microbial engineering and fermentation optimization for sustainable and cost-effective bioplastic and biochemical production from agro-industrial waste

In-person 15:00-15:20

Sofia Frantisakova, Pablo Salort & Luca Rybaltovszki, University of Edinburgh Biotech Society, United Kingdom

Title: Bridging academia and industry: The role of student societies in shaping biotech careers

In-person 15:20-15:40

Ravish Seeruthun, King's College London (KCL), United Kingdom

Title: Stem cell-derived β -cells for type 1 diabetes: A review of progress, challenges, and future directions

In-person 15:40-16:00

Karabelo Macmillan Moloantoa, University of KwaZulu-Natal, South Africa

Title: Assessing nitrate contamination from WWTPs effluents and capacity of indigenous bacterial consortia for the in-situ complete denitrification

16:00-16:30 | Coffee Break @Foyer

In-person 16:30-16:50

Dalma Dojcsák, University of Miskolc, Hungary

Title: Decoding pediatric appendicitis disease: Glycosylation insights via HPLC and mass spectrometry

In-person 16:50-17:10

Tímea Gerzsenyi, University of Miskolc, Hungary

Title: Investigation and optimization of DNA isolation efficiency using ferrite-based magnetic nanoparticles

In-person 17:10-17:30

Abdulsada A. Rahi Al- Ghnaimawi & Magda Abdulkalek Ali Al Rubaie, Wasit University, Iraq

Title: Production of nanoliposomal amphotercin B topical gel as effective treatment for human Cutaneous Leishmaniasis (CL) disease

Moderator: Jayeeta Giri, ICMR-National Institute for Research in Reproductive and Child Health, India

Chair: Kara E McCloskey, University of California, Merced, United States

	BST	Local Timings	
Virtual	09:00-09:40	10:00-10:40	Keynote Presentation
Vasiliki E. Kalodimou, European University-Cyprus Ltd., Germany			
Title: Tissue engineering and regenerative medicine in the AI era			
Virtual	09:40-10:00	10:40-11:00	Oral Presentations
Roberto Gramignoli, IRCCS Gaslini Institute, Italy			
Title: Amniotic epithelial cells and released mediators in support of regenerative effects, oncological treatments, and immune acceptance in allogeneic settings			
Virtual	10:00-10:20	17:00-17:20	
Atiqah Ab Aziz, University of Malaya, Malaysia			
Title: IL-1 β -induced oxidative stress and ferroptosis in osteoarthritis-derived chondrocytes: Targeting ferroptosis inhibition through genetic therapy			
Virtual	10:20-10:40	14:50-15:10	
Madhu Gupta, Delhi Pharmaceutical Sciences and Research University, India			
Title: Polysaccharide-based biopolymers for modulating inflammation, angiogenesis, and ECM remodeling in chronic wound healing			
Virtual	10:40-11:00	15:10-15:30	
Jayeeta Giri, ICMR-National Institute for Research in Reproductive and Child Health, India			
Title: Understanding the mesenchymal stem cells role in uterine and intestinal tissue regeneration			
Virtual	11:00-11:20	15:30-15:50	
Abhishek Motilal Upadhyay, All India Institutes of Medical Sciences-Gorakhpur, India			
Title: Smart hydrogel bandage with pH-responsive colorimetric indication for real-time wound monitoring			
Virtual	11:20-11:40	15:50-16:10	
T Usharani, Erode Sengunthar Engineering College, India			
Title: Spirulina as a bioengineered solution: CO ₂ capture and conversion into functional edible biomaterials			
Virtual	11:40-12:00	16:10-16:30	
Meenu T S, Indian Institute of Technology, India			
Title: 3D bioprinting of tissue-specific dECM hydrogels for functional tissue engineering			
Virtual	12:00-12:20	14:30-14:50	
Soheila Naderi Gharahgheshlagh, Iran University of Medical Sciences, Iran (Islamic Republic of)			
Title: Clinical trials of autologous epidermal cell transplantation in hypopigmented burn scar spot treatment			

BST

Local Timings

Virtual	12:20-12:40	14:20-14:40	
Panagiotis Mallis, Hellenic Cord Blood Bank, Greece			
Title: Characterization of CD10+ CD49a+ mesenchymal stromal cells subpopulation: Emerging evidence for their role in immunomodulation			
Virtual	12:40-13:00	14:40-15:00	
Andrey Belousov, Kharkiv National Medical University, Ukraine			
Title: Selective MRI contrast with magnetite nanoparticles in malignant tumors: Hopes and challenges			
Virtual	13:00-13:20	15:00-15:20	
Terin Adali, Girne American University, Turkey			
Title: Biomimetic gellan gum hybrid hydrogels for extracellular matrix simulation in mouse embryonic stem			
Virtual	13:20-13:40	15:20-15:40	
Athina Gompou, IASO Thessaly, Greece			
Title: Evaluating interleukin-2 and its receptors as indicators of acute renal graft rejection			
Virtual	13:40-14:00	14:40-15:00	
Marek Konop, Medical University of Warsaw, Poland			
Title: Keratin-TMAO wound dressing promote tissue recovery in diabetic rats via activation of M2 macrophages			
Virtual	14:00-14:20	15:00-15:20	
Anine Crous, University of Johannesburg, South Africa			
Title: Photobiomodulation-enhanced tenocytic differentiation of adipose-derived stem cell			
Virtual	14:20-14:40	08:20-08:40	
María Alejandra Torres Amaya, Universidad Nacional de Colombia, Colombia			
Title: Advancing tissue engineering: 3D endothelial culture models as ethical and translational alternatives to animal testing			
Virtual	14:40-15:20	09:40-10:20	Keynote Presentations
Kunal Mitra, Florida Tech, United States			
Title: AI-integrated high-throughput tissue-chip for brain aging			
Virtual	15:20-16:00	10:20-11:00	
Thomas J Webster, Brown University, United States			
Title: Eliminating implants infections with nanomedicine: Human results			
Virtual	16:00-16:40	08:00-08:40	
Kara E McCloskey, University of California, Merced, United States			
Title: Assembly and stability of on-chip microvasculature			

Moderator: Kyriaki-Evangelia Aslani,
University of the Peloponnese, Greece

Chair: Luis Jesús Villarreal Gómez, Universidad Autónoma de Baja California,
Mexico

BST

Local Timings

Virtual	09:00-09:40	10:00-10:40	Keynote Presentations
	Julia Sidorova, Centro de Investigación Biomédica En Red Enfermedades Hepáticas Y Digestivas (CIBEREHD), Spain Title: Information leakage: Types, remedies, and open problems		
Virtual	09:40-10:20	14:10-14:50	
	Anant Marathe, Total Potential Cells (P) Ltd, India Title: Stem cell therapy: An affordable healthcare therapy for various diseases		
Virtual	10:20-10:40	17:20-17:40	Oral Presentations
	Sanny C Babera, President Ramon Magsaysay State University, Philippines Title: Conservation of exotic and endangered terrestrial and aquatic animals through biotechnology		
Virtual	10:40-11:00	17:40-18:00	
	Sadaf-Ilyas Kayani, Jiangsu University, China Title: Transcriptional and hormonal regulation of industrially important metabolites biosynthesis in plants and microalgae		
Virtual	11:00-11:20	18:00-18:20	
	Jun Bai, Shaanxi Provincial People's Hospital, China Title: Time to change to time: Single amino acid resolution anti-tumor platform Tag-Tack is standby		
Virtual	11:20-11:40	18:20-18:40	
	Yan Xiaojun, CytoNiche Biotech Pte. Ltd, Singapore Title: Revolutionising large-scale MSC manufacturing: 3D FloTriX technology with dissolvable microcarriers and automation for the future of cell therapy		
Virtual	11:40-12:00	16:10-16:30	
	Dheeraj Chitara, JECRC University, India Title: Proteins under pressure: Rethinking folding pathways through big data and atomistic modelling		
Virtual	12:00-12:20	16:30-16:50	
	Pawar Sunil Trimbak, T C College, India Title: Studies of halotolerant PGPR inoculants for sustainable agriculture		
Virtual	12:20-12:40	16:50-17:10	
	Jitendra Singh, Indian Institute of Technology, India Title: Bio-fermentation for enhanced dihydroxyacetone production from crude glycerol using gluconobacter oxydans NBRC 14819		

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Virtual	12:40-13:00	13:40-14:00	
	Davide Frumento, Roma Tre University, Italy		
	Title: Flu vaccines available in Italy for the youth population		
Virtual	13:00-13:20	15:00-15:20	
	Kyriaki-Evangelia Aslani, University of the Peloponnese, Greece		
	Title: Effect of micromagnetorotation on magnetohydrodynamic blood flows		
Virtual	13:20-13:40	12:20-12:40	
	Akpa Eric Essoh, Felix Houphouët-Boigny University, Cote d'Ivoire		
	Title: Toward biocontrol of avian pathogenic microorganisms in Côte d'Ivoire with selected probiotics belonging to lactic acid and acetic acid bacteria		
Virtual	13:40-14:00	12:40-13:00	
	Yapi Ellele Aime Marius, Institut National D'hygiène Publique, Cote d'Ivoire		
	Title: Use of biofertilizers in agriculture: The case of hygienized human excreta in cocoa production in the village of Blanfla (Bouafle, Côte d'Ivoire)		
Virtual	14:00-14:20	10:00-10:20	
	María Victoria Vega, University National of Formosa, Argentina		
	Title: A firm step towards water sustainability: Success in the potential irrigation effluent and cloning		
Virtual	14:20-14:40	10:20-10:40	
	Elcio Meira da Fonseca Junior, Federal University of Western Para, Brazil		
	Title: Amazonian plant biotechnology: Bridging regional science and industry		
Virtual	14:40-15:00	09:40-10:00	
	Rithik Samanthula, Thomas Jefferson High School for Science and Technology, United States		
	Title: Application of convolutional neural networks in classification of GBM for enhanced prognosis		
Virtual	15:00-15:20	09:00-09:20	
	Frank Denis Torres Huaco, Continental University, Peru		
	Title: Establishing the fundamentals for a self-sustainable and cost-efficient tannery effluent treatment system: Towards the production of industrial application enzymes based on bioremediation process		
Virtual	15:20-16:00	10:20-11:00	Keynote Presentations
	Thomas J Webster, Brown University, United States		
	Title: Eliminating implant infection: 30,000 nanotextured implants in humans with no failure		

BST Local Timings

Virtual	16:00-16:40	08:00-08:40
Luis Jesús Villarreal Gómez, Universidad Autónoma de Baja California, Mexico		
Title: Development and characterization of exo-ITC: A fibrous bilayer exosome delivery system for dermatological applications		
Virtual	16:40-17:20	08:40-09:20
Anand Srivastava, Global Institute of Stem Cell Therapy and Research, United States		
Title: Role stem cell therapy in degenerative diseases: Where we stand?		

*We wish to meet you again at our
upcoming events*

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<https://magnusconferences.com/tissue-engineering/>

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Questions? Contact

Phone: 1 (702) 988 2320 | Whatsapp: + 1 640 666 9566

E-mail: secretary2019@magnusconference.com