

Joint Event

4th Edition of International Conference on

Tissue Engineering **and** *Regenerative Medicine &*

4th Edition of Euro-Global Conference on

Biotechnology and *Bioengineering*

19-21

Sept, 2024

Rome, Italy



IN-PERSON:

NH Villa Carpegna
Via Pio IV, 6, 00165 Roma RM, Italy



VIRTUAL:

Central European Summer
Time (CEST)

DAY 01

Thursday, September 19
(In-Person)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	In-Person Keynote Presentations
11:30-15:50	In-Person Oral Presentations

DAY 02

Friday, September 20
(In-Person)

08:50-09:00	Opening Note and Introduction
09:00-11:00	In-Person Keynote Presentations
11:30-13:10	In-Person Oral Presentations
14:10-15:30	In-Person Poster Presentations

DAY 03

Saturday, September 21

(Virtual Session-Room 01)

08:30-09:00	AV Check
09:00-10:20	Virtual Keynote Presentations
10:20-13:40	Virtual Oral Presentations
13:40-15:40	Virtual Keynote Presentations
15:40-16:00	Virtual Oral Presentations

(Virtual Session-Room 02)

08:30-09:00	AV Check
09:00-10:20	Virtual Keynote Presentations
10:20-10:40	Virtual Poster Presentations
10:40-14:40	Virtual Oral Presentations
14:40-16:00	Virtual Keynote Presentations

 IN-PERSON
 VIRTUAL

Day 01 Break Timings (In-Person)

11:00-11:30	Coffee Break
12:50-13:50	Lunch Break
15:50-16:20	Coffee Break

Day 02 Break Timings (In-Person)

11:00-11:30	Coffee Break
13:10-14:10	Lunch Break
15:30-16:00	Coffee Break

Important Note

- The conference follows Central European Summer Time (CEST) for both In-Person and 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 Leonardo B @NH Villa Carpegna 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.

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@LEONARDO B

08:00–08:50 | Registrations

08:50–09:00 | Opening Ceremony and Introduction

09:00–09:40

In-Person

Sergey Suchkov

The Russian University of Medicine and The Russian Academy of Natural Sciences, Russia

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model to secure the human healthcare, wellness and biosafety: Through the view of cell-based therapy and rehabilitation

09:40–10:20

In-Person

Ivan Kelnar

Institute of Macromolecular Chemistry, Czech Academy of Sciences, Czech Republic

Title: Modifications of chitin–glucan complex in ionic liquids: A tool to generate nanostructured materials for tissue engineering

10:20–11:00

In-Person

Marco Poletti

DVM, Italy

Title: Connections between modern physics and practice regenerative medicine

Group Photo

11:00–11:30 | Coffee Break @Foyer

ORAL PRESENTATIONS

Chair:

Ivan Kelnar, Institute of Macromolecular Chemistry, Czech Academy of Sciences, Czech Republic

11:30–11:50

In-Person

Luigi Di Stolfo

University of Fribourg, Switzerland

Title: Bioprinted cell gradients to analyze nanoparticle uptake variability

11:50–12:10

In-Person

Sergey Suchkov

The Russian University of Medicine and The Russian Academy of Natural Sciences, Russia

Title: The promising future of the unique translational tool to manage cardiac self-renewal and regeneration to secure the post-infarction period

12:10–12:30 In-Person

Hana Studenovska
Institute of Macromolecular
Chemistry, CAS, Czech Republic

Title: Regeneration of the eye via ultrathin PDLLA-based nanofibrous membranes

12:30–12:50 In-Person

Antonio Luciani
Luciani Equine Veterinary Consulting,
Italy

Title: Optimizing the regenerative effects on equine tendons and ligaments using a multi-frequency laser device as a standalone therapy: A methodological approach

12:50–14:10 | Lunch @Restaurant

14:10–14:30 In-Person

Laura Pérez Sánchez
Vicomtech, Spain

Title: Integrating planar and non-planar layers for optimized bioprinted scaffold structures with controlled porosity

14:30–14:50 In-Person

Gilad Gome
Hebrew University Faculty of
Agriculture and Reichman University,
Israel

Title: Macrofluidic single use bioreactors

14:50–15:10 In-Person

Jong Seung Kim
Jeonbuk National University Medical
School, Republic of Korea

Title: Ursodeoxycholic acid is associated with better clinical outcome in COVID-19 patients: A population based cohort study

15:10–15:30 In-Person

Adel Mohammadipour
Isfahan University of Medical
Sciences, Iran

Title: Inflammation and the osteogenesis ability of mesenchymal stem cells, the effect of natural compounds

15:30–15:50 In-Person

Itziar González
Consejo Superior de Investigación
Científicas CSIC, Spain

Title: Tumor cell microspheroids induced by non-contact mechanical forces

15:50–16:20 | Coffee Break @Foyer

KEYNOTE PRESENTATIONS

Central European Summer Time (CEST)

@LEONARDO B

08:50–09:00 | Day 2 Opening Note and Introduction

09:00–09:40 In-Person

Murray Moo-Young
University of Waterloo, Canada

Title: Biotech scale-up: Bioengineering imperatives in biomanufacturing

09:40–10:20 In-Person

Isabelle Turbica
Paris Saclay University, France

Title: Immunogenicity of therapeutic antibodies: Role of aggregation in T lymphocyte response

10:20–11:00 In-Person

Babak Faramarzi
Western University of Health Sciences, USA

Title: Pressure plate analysis in musculoskeletal injuries: An overview

11:00–11:30 | Coffee Break @Foyer

ORAL PRESENTATIONS

Chair:

Murray Moo-Young, University of Waterloo, Canada

11:30–11:50 In-Person

Yingwei Hou
Queen Mary University of London,
United Kingdom

Title: Experimental measurement of three-dimensional responses of marine mussel plaques anchoring to wet substrates under directional tensions

11:50–12:10 In-Person

Akihiko Sakurai
University of Fukui, Japan

Title: Efficient production of cordycepin, adenosine analog, by cordyceps militaris mutant

12:10–12:30 In-Person

Danijela Pezer
University of Split, Croatia

Title: Process planning optimization of holes drilling using genetic algorithm

12:30–12:50 In-Person

Obakeng Jona
University of Cape Town, South Africa
Title: The scale-up and culturability of live biotherapeutics for reproductive health in South Africa

12:50–13:10 In-Person

Prashant Bhagwat
Durban University of Technology,
South Africa
Title: Exploring the untapped potential of African fermented foods as a source of novel fibrinolytic enzymes

13:10–14:10 | Lunch @Restaurant

(14:10-15:30) POSTER PRESENTATIONS

P1 In-Person

Sergio Bordel
University of Valladolid, Spain
Title: Production of hydroxyectoine with an engineered strain of *Methylomicrobium alcaliphilum*

P2 In-Person

Fernando Santos-Beneit
Universidad de Valladolid, Spain
Title: Valorization of wastes via a one-step microbial fermentation process

P3 In-Person

Yu-Chieh Wu
Institute of Physiology, CAS, Czech
Republic
Title: Pre-vascularized skin model in-vitro

P4 In-Person

Marina Malić
Institute of Physiology of the Czech
Academy of Sciences and First Faculty
of Medicine, Charles University, Czech
Republic
Title: In vitro model of endochondral ossification based on collagen-hyaluronic acid hydrogel with embedded chondrocytes

P5 In-Person

Youngwook Ham
Korea Research Institute of
Bioscience and Biotechnology,
Republic of Korea
Title: The SpACE-CCM: A facile and versatile cell culture medium-based biosensor for detection of SARS-CoV-2 spike-ACE2 interaction

P6 In-Person

Fawzia Juma Ramadan
Ministry of Municipality, Qatar
Title: Variety of novel species in Qatar marine ecosystem

P7 In-Person

Komal Vig
Alabama State University, USA
Title: Generating scaffolds with antimicrobial properties for tissue regeneration using low temperature plasma (LTP)

Reem Al-Haidose
Ministry of Municipality, Qatar

Title: Fabrication of symbiotic multicellular assemblies by using a novel “Gel Layer-by-Gel Layer” technique

15:30–16:00 | Coffee Break @Foyer

DAY 3

Virtual

SEPTEMBER 21, 2024

Saturday

KEYNOTE PRESENTATIONS

CEST

Local Timings

@VIRTUAL SESSION ROOM 01

08:30–09:00 | AV Check

Moderator:

Vidhi Mathur, Manipal Centre for Biotherapeutics Research, India

09:00–09:40

08:00–08:40

Patrizia Ferretti

UCL Great Ormond Street Institute of Child Health, United Kingdom

Title: Challenges in skeletal tissue engineering

09:40–10:20

10:40–11:20

Vasiliki E. Kalodimou

Diretor Flow Cytometry Research, Greece

Title: Bio-printing of kidney & other organs using MSC's

ORAL PRESENTATIONS

Chair:

Kunal Mitra, Florida Tech, USA

10:20–10:40

10:20–10:40

Gemma Arderiu

Institut de Recerca Sant Pau – Sant Pau Campus Salut Barcelona, Spain

Title: Adipose tissue mesenchymal stem cells therapy in ischemic diseases

10:40–11:00

10:40–11:00

Anastasia Polikarpova

The Institute of Molecular Pathology, Austria

Title: Cellular and molecular profiling of critical bone fractures in axolotl

11:00–11:20

17:00–17:20

Haidong Liang

The Second Hospital Of Dalian Medical University, China

Title: Comparison of the clinical efficacy of platelet-rich plasma and artificial dermis in the treatment of fingertip defects

11:20–11:40

17:20–17:40

Ziang Zheng

The Second Affiliated Hospital of Dalian Medical University, China

Title: Comparison of clinical efficacy of platelet rich plasma combined with double-layer artificial dermis in the treatment of bone or tendon exposed wounds

11:40–12:00

17:40–18:00

Weiyang Peng

The First Affiliated Hospital of Chongqing Medical University, China

Title: The phosphoinositide hydrolase phospholipase C delta1 inhibits epithelial-Esenchymal transition and is silenced in colorectal cancer

12:00–12:20 13:00–13:20

Andrey Belousov
Kharkiv National Medical University,
Ukraine

Title: Application of biocompatible magnetite nanoparticles (Micromage–B) in the complex treatment of multiple sclerosis

12:20–12:40 17:20–17:40

Fajar Shodiq Permata
Universitas Brawijaya, Indonesia

Title: Comparison of decellularization results of chicken achilles tendon using triton X–100 and Sodium Dodecyl Sulphate (SDS) media

12:40–13:00 16:10–16:30

Vidhi Mathur
Manipal Centre for Biotherapeutics
Research, India

Title: A novel technique for decellularization of human esophagus for 3D bioprinting

13:00–13:20 16:30–16:50

Elizabeth Vinod
Christian Medical College, India

Title: Potential of articular cartilage resident progenitor in the field of cartilage regeneration

13:20–13:40 18:20–18:40

Vyacheslav Shulunov
Institute of Physical Materials
Science of the Siberian Branch of the
Russian Academy of Science, Russian
Federation

Title: Advanced roll porous scaffold 3D bioprinting technology

KEYNOTE PRESENTATIONS

13:40–14:20 07:40–08:20

Thomas J. Webster
Interstellar Therapeutics, USA

Title: Human nanomedicine: Real clinical results with nanomaterials and future directions with magnetic materials

14:20–15:00 08:20–09:00

Kunal Mitra
Florida Tech, USA

Title: 3D bioprinted cardiovascular tissue model for space based applications

15:00–15:40 06:00–06:40

Berislav V. Zlokovic
University of Southern California, USA

Title: Cell and gene therapies in models of vascular brain disorders

ORAL PRESENTATION

15:40–16:00 06:40–07:00

Kara E McCloskey
University of California–Merced,
United States

Title: Induction and characterization of human tip–specific endothelial cells

DAY 3

Virtual

SEPTEMBER 21, 2024

Saturday

KEYNOTE PRESENTATIONS

CEST Local Timings

@VIRTUAL SESSION ROOM 02

08:30–09:00 | AV Check

Moderator:

Giuseppe Tancredi Patanè, University of Messina, Italy

09:00–09:40 09:00–09:40

Julia Sidorova

Centro de Investigación Biomédica
En Red Enfermedades Hepáticas y
Digestivas (CIBEREHD), Spain

Title: Deep learning-based survival analysis of omics and clinicopathological data

09:40–10:20 13:10–13:50

Neelam Atri

Banaras Hindu University, India

Title: Pretilachlor-induced physiological, biochemical and morphological changes in Indian paddy field agroecosystem inhabited *Anabaena doliolum*

POSTER PRESENTATIONS

Chair:

Luis Jesús Villarreal Gómez, Universidad Autónoma de Baja California, México

10:20–10:30 16:20–16:30

Jia Pei

The People's Hospital of Nanchuan
Chongqing, China

Title: Prognostic significance of serum inflammatory markers for patients with nasopharyngeal carcinoma

10:30–10:40 02:00–02:10

Palak Gupta

Jamia Hamdard University, India

Title: Interplay between the JA pathway genes and bHLH may play an important role in regulating cleistogamy in pigeon pea

ORAL PRESENTATIONS

10:40–11:00 17:40–18:00

Jin-Ku Lee

Seoul National University College of
Medicine, Republic of Korea

Title: Genomics of drug sensitivity in cancer

11:00–11:20 17:00–17:20

Mariam Taib

Universiti Malaysia Terengganu,
Malaysia

Title: Transcriptomic and metabolomic comparison of a mangrove fungus response to heavy metal cadmium stress

11:20–11:40 11:20–11:40

Stefanie KurtzInstitute of Farm Animal Genetics,
Friedrich–Loeffler–Institute, Germany

Title: Sex determination in pigs by using gene editing

11:40–12:00 11:40–12:00

Giuseppe Tancredi Patanè

University of Messina, Italy

Title: Biochemical modification of poly–vinyl–alcohol–based bioplastics with a combinatory approach with microcrystalline cellulose, glycerol and natural antioxidant to increase its food packaging application

12:00–12:20 13:00–13:20

Sinem Durmus

Izmir Katip Celebi University, Türkiye

Title: Unraveling cancer's genetic tapestry: The pivotal role of mirnas in tumorigenesis and future therapeutic horizons

12:20–12:40 13:20–13:40

Abdulsada A. Rahi Al– GhnaimawiWasit University College of Science,
Iraq

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

12:40–13:00 16:10–16:30

Pawar Sunil Trimbak

Tuljaram Chaturchand College, India

Title: Isolation and enzymatic characterization of microorganisms associated with municipal organic solid waste decomposition

13:00–13:20 16:30–16:50

Shweta GuptaSchool of Technology, Woxsen
University, India

Title: AI based Robots for treatment of Cognitive Diseases

13:20–13:40 16:50–17:10

Sreevidya CP

CUSAT, India

Title: Impact of multiple environmental stressors on the survival of *Daphnia magna*

13:40–14:00 17:10–17:30

Moumita Gangopadhyay

Adamas University, India

Title: Sensor assisted smart agriculture for futuristic hunger free world

14:00–14:20 17:30–17:50

Parth Shinde

Tvashtr Biotech Private Limited, India

Yash Saini

Tvashtr Biotech Private Limited, India

Title: Implementation of microfluidic phase separation methods and supramolecular host–guest interactions for rapid detection of allergies

14:20–14:40 17:50–18:10

Kinjal Kulshrestha

Anand Agricultural University, India

Title: NGS on nematode resistant and susceptible tomato species

KEYNOTE PRESENTATIONS

14:40–15:20

08:40–09:20

Thomas J. Webster
Interstellar Therapeutics, USA

Title: Innovations in nanomedicine to reduce environmental impact and improve human health

15:20–16:00

06:20–07:00

Luis Jesús Villarreal Gómez
Universidad Autónoma de Baja California, México

Title: Antimicrobial electrospun fibrous scaffolds and their potential use as wound dressings

POSTER PRESENTATION

16:00–16:10

22:00–22:10

Xiaojuan Ding
The Second Affiliated Hospital of Chongqing Medical University, China

Title: Clinical study on the expression of serum miR-202 and miR-34a and nosocomial infection in patients with primary liver cancer after TACE

ORAL PRESENTATIONS

16:10–16:30

19:40–20:00

Parth Pandya
Navrachana University, India

Title: Governing the pubertal onset regulators of HPG axis in teleost: An application for aquaculture industry

16:30–16:50

18:00–18:20

Reyhane Lohrasbi
Royan Institute, Iran

Title: Efficient clone selection and enhancement of recombinant protein yield in CHO cells using FACS-based strategy and UCOE

END NOTE

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

5th Edition of International Conference on
Tissue Engineering and Regenerative Medicine

September 25-27, 2025 | London, UK and Online
<https://magnusconferences.com/tissue-engineering/>

5th Edition of Euro-Global Conference on
Biotechnology and Bioengineering

September 25-27, 2025 | London, UK and Online
<https://biotechnology-conferences.magnusgroup.org/>

Questions? Contact

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

e-mail: secretary@magnusconference.com

