magnus Group Share, Receive & Grow!

CONFERENCE PROGRAM

6TH EDITION OF INTERNATIONAL CONFERENCE ON

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

AND

6TH EDITION OF EURO-GLOBAL CONFERENCE ON

BIOTECHNOLOGY AND BIOENGINEERING

September 28-30, 2026
London, UK

IN-PERSON:

Delta Hotels Heathrow Windsor
Ditton Rd, Langley, Slough SL3 8PT,
United Kingdom

VIRTUAL:

BRITISH SUMMER TIME (BST)

Final Program

MONDAY SEPTEMBER 28 2026

DAY 01 | IN-PERSON @BUCKINGHAM ROOM	
08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	In-Person Keynote Sessions
11:00-11:30	Coffee Break
11:30-12:50	In-Person Oral Sessions
12:50-14:10	Lunch Break
14:10-15:10	In-Person Oral Sessions
15:10-15:40	Coffee Break
15:40-16:00	In-Person Poster Session

TUESDAY SEPTEMBER 29 2026

DAY 02 | IN-PERSON @BUCKINGHAM ROOM	
08:50-09:00	Opening Ceremony and Introduction
09:00-10:20	In-Person Keynote Sessions
10:20-11:00	In-Person Oral Sessions
11:00-11:30	Coffee Break
11:30-12:50	In-Person Oral Sessions
12:50-14:10	Lunch Break
14:10-14:50	In-Person Oral Sessions

WEDNESDAY SEPTEMBER 30 2026

DAY 03 | ROOM 1 VIRTUAL @ZOOM MEETINGS	
08:30-09:00	AV Check
09:00-11:40	Virtual Keynote Sessions
11:40-15:20	Virtual Oral Sessions
15:20-16:00	Virtual Keynote Session
16:00-16:20	Virtual Poster Sessions

WEDNESDAY SEPTEMBER 30 2026

DAY 03 | ROOM 2 VIRTUAL @ZOOM MEETINGS	
08:30-09:00	AV Check
09:00-11:40	Virtual Keynote Sessions
11:40-15:00	Virtual Oral Sessions
15:00-17:40	Virtual Keynote Sessions
17:40-18:20	Virtual Oral Sessions

Important Note

The conference follows BRITISH SUMMER TIME (BST) for both In-Person and Virtual sessions.

When the program refers to Local Timings, it means the time mentioned is in the time zone of the presenter's country.

In-person presentations will take place in the **Buckingham Room @Delta Hotels Heathrow Windsor** and Virtual presentations will take place in Zoom meetings.

Please remain accessible in the hall or on Zoom throughout the day as there may be minor program adjustments due to technical issues or presenter no-shows.

Keynote Speakers



Lucie Bacakova

Institute of Physiology of the Czech Academy of Sciences, Czech Republic



Ivan Kelnar

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



Patrizia Ferretti

UCL Great Ormond Street Institute of Child Health, UK



Babak Faramarzi

Western University of Health Sciences, USA



Sergey Suchkov

N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation



Sandeep Shrivastava

KLE Academy of Higher Education and Research, India



Katarzyna Gawron

Medical University of Silesia, Poland



Vasiliki E Kalodimou

EUC School of Medicine - Frankfurt, Germany



Gokarneshan Narayanan

SSM College of Engineering (Formerly), India

Keynote Speakers



Kunal Mitra
Florida Tech, United States



Julia Sidorova
Instituto Carlos III de Salud (CIBER-EHD), Spain



KR Aneja
Kurukshetra University, India



Gunjan Mukherjee
Chandigarh University, India



Tania Limongi
University of Turin, Italy



Narendra Chirmule
Indian Institute of Technology (IIT), India



Thomas J Webster
Brown University, United States



Murray Moo Young
University of Waterloo, Canada



Luis Jesus Villarreal Gomez
Universidad Autonoma de Baja California, Mexico

IN-PERSON

Day 01 – Buckingham Room

28 September, Monday

BRITISH SUMMER TIME (BST)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction

Moderator:
Lisa Martin, CEA-Grenoble, France

Chairs:
Lucie Bacakova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic
Ivan Kelnar, Institute of Macromolecular Chemistry, Czech Academy of Sciences, Czech Republic

09:00-09:40 — Keynote Session

Lucie Bacakova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic

Title: Advanced 3D tissue models: Pioneering tools for investigating health and disease

09:40-10:20 — Keynote Session

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

Title: Polysaccharide-based nanotubes: Structure, properties and medical applications

10:20-11:00 — Keynote Session

Patrizia Ferretti, UCL Great Ormond Street Institute of Child Health, United Kingdom

Title: Stem cells for human disease modelling and potential for tissue repair

11:00-11:30

Coffee Break @Foyer | Group Photo

11:30-11:50 — Oral Session

Jarmila Knitlova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic

Title: 3D in vitro model of Dupuytren's disease

11:50-12:10 — Oral Session

Lisa Martin, CEA-Grenoble, France

Title: An adipose-derived dECM hydrogel as a versatile ECM platform for pancreatic diseases

IN-PERSON

BRITISH SUMMER TIME (BST)

28 September, Monday

12:10-12:30 — Oral Session

Shanaya Surendra Phal Desai, Institute of Physiology of the Czech Academy of Sciences, Czech Republic

Title: Enhanced osteogenic differentiation of human mesenchymal stem cells: Impact of surface terminations of nanocrystalline diamond coatings

12:30-12:50 — Oral Session

Xiaochun Cao-Ehlker, HTCR-Services GmbH, Germany

Title: Planar MicroOrganoPit-based co-culture platform (MICA) for studying tumor-immune interactions in patient-derived tumoroids

12:50-14:10

Lunch Break @Restaurant

14:10-14:30 — Oral Session

Audrey Cherblanc, Healshape SAS, France

Title: A resorbable and biomimetic 3D-printed natural hydrogel scaffold driving large-volume soft tissue repair: Evidence from a large animal study

14:30-14:50 — Oral Session

Lucie Bacakova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic

Title: MXene-based biomaterials in tissue engineering and functional implant coatings: Recent advances and future prospects

14:50-15:10 — Oral Session

Melissa Morra, University of Turin, Italy

Title: Genetic engineering for the reduction of high mannose species in biopharmaceutical-producing CHO cells

15:10-15:40

Coffee Break @Foyer

PP01 — Poster Session (15:40-16:00)

Kazutaka Soejima, Nihon University School of Medicine, Japan

Title: In vitro evaluation of lyophilized dedifferentiated fat cells (DFAT) impregnated artificial dermis

End of Day 1

IN-PERSON

Day 02 – Buckingham Room

29 September, Tuesday

BRITISH SUMMER TIME (BST)

08:50-09:00 Opening Ceremony and Introduction

Moderator:
Fairooza Alam, The Open University, United Kingdom

Chair:
Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation

09:00-09:40 Keynote Session

Babak Faramarzi, Western University of Health Sciences, USA

Title: Steps and strides: Cross-species insights into movement and injury

09:40-10:20 Keynote Session

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation

Title: Personalized and Precision Medicine (PPM): A unique healthcare model via pathology-related modelling and biodesign-inspired translational applications for the next generation of human healthcare and biosafety

10:20-10:40 Oral Session

Laura Pasitka, GEA Liquid Technologies Germany GmbH, Germany

Title: Process intensification for the continuous production of alternative proteins

10:40-11:00 Oral Session

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation

Title: Stem cell technologies to integrate biodesign related tissue engineering within the frame of cell based regenerative medicine: Towards the preventive therapeutic and rehabilitative resources and benefits

11:00-11:30

Coffee Break @Foyer

11:30-11:50 Oral Session

Akanksha Singh, Indian Institute of Technology Kharagpur, India

Title: Process parameter optimization for enhancing pigment productivity in Chlorella vulgaris

IN-PERSON

BRITISH SUMMER TIME (BST)

29 September, Tuesday

11:50-12:10 — Oral Session

Fairooza Alam, The Open University, United Kingdom

Title: Physics-guided modelling for optimising cell alignment in lab-grown meat scaffolds

12:10-12:30 — Oral Session

Surbhi Priyadarshi, SGT University, India

Title: Redefining oral cancer detection: The role of AI-based biotechnological methods beyond conventional technologies—A systematic review

12:30-12:50 — Oral Session

Arjun Sankhla, Indian Institute of Technology Kharagpur, India

Title: Novel diagnostic approaches towards RR-TB detection: Advancing the fight against MDR-TB control

12:50-14:10

Lunch Break @Restaurant

14:10-14:30 — Oral Session

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

Title: Production of nanoliposomal amphotericin B 0.4 % topical gel as effective treatment for human acne vulgaris

14:30-14:50 — Oral Session

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

Title: Green synthesis and treatment of silver nanoparticles from Leishmania major in Iraq

End of Day 2

VIRTUAL

Day 03 – ROOM 1 @Zoom Meetings

30 September, Wednesday

BRITISH SUMMER TIME (BST)

08:30-09:00 AV Check

Moderator:
Elizabeth Vinod, Christian Medical College, India

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
09:00-09:40	13:30-14:10	Keynote Session

Sandeep Shrivastava, KLE Academy of Higher Education and Research, India

Title: Induction of neo angiogenesis - A way forward for reversing necrosis in complex wounds in orthopaedic practice

09:40-10:20	10:40-11:20	Keynote Session

Katarzyna Gawron, Medical University of Silesia, Poland

Title: The role of gingival fibroblasts in periodontal diseases and regeneration

10:20-11:00	11:20-12:00	Keynote Session

Vasiliki E Kalodimou, EUC School of Medicine - Frankfurt, Germany

Title: The era of Artificial Intelligence (AI) and its use in regenerative medicine

11:00-11:40	15:30-16:10	Keynote Session

Gokarneshan Narayanan, SSM College of Engineering (Formerly), India

Title: Role of textile materials in tissue engineering and regenerative medicine

11:40-12:00	19:40-20:00	Oral Session

Ki Ji Lee, National Research Foundation, Korea, Republic of

Title: New treatment of muscle regeneration through activation proliferation and differentiation of muscle stem cells (satellite cells) through mitochondrial dynamics

12:00-12:20	16:30-16:50	Oral Session

Elizabeth Vinod, Christian Medical College, India

Title: Understanding exosomes in cartilage repair: From cartilage-derived cells to cell-free regenerative therapy

VIRTUAL

30 September, Wednesday

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
12:20-12:40	16:50-17:10	Oral Session

Vikash Maurya, Banaras Hindu University, India

Title: ATE1-mediated cell death and its role in tumour suppression

12:40-13:00	17:10-17:30	Oral Session

Payal Bhardwaj, BGS Vijanatham Institute of Allied Health Sciences, India

Title: Rapid electrical Impedance analysis as a cost-effective method for characterizing doped bio composites to be used in clinical applications

13:00-13:20	15:00-15:20	Oral Session

Panagiotis Mallis, Hellenic Cord Blood Bank, Greece

Title: Extensive characterization of umbilical cord-lining stem cells and their potential use in tissue engineering and regenerative medicine applications

13:20-13:40	15:20-15:40	Oral Session

Sefike Merizan Avci Yalcin, Mugla Sitki Kocman University, Turkey

Title: The effects of botulinum toxin type A and ascorbic acid on elastic cartilage regeneration: A comparison of single and combined experimental applications

13:40-14:00	15:40-16:00	Oral Session

Andrey Belousov, Kharkiv National Medical University, Ukraine

Title: From biophysics to clinical application: Investigating the antibacterial potential of magnetite nanoparticles (MCS B)

14:00-14:20	15:00-15:20	Oral Session

Marek Konop, Medical University of Warsaw, Poland

Title: Silk-derived sericin at the interface of atopic dermatitis and wound healing: Modulation of inflammation and epidermal repair

14:20-14:40	16:20-16:40	Oral Session

Terin Adali, Girne American University, Cyprus

Title: Artificial intelligence as a control layer in tissue engineering: Toward cognitive biomaterials for autonomous regenerative therapies

VIRTUAL

30 September, Wednesday

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
14:40-15:00	09:40-10:00	Oral Session

Aradhana Kasimesetty, NIH/NCATS, United States

Title: Developing iPSC-derived 3D outer blood-retinal barrier disease models of choroideremia for gene therapy evaluation

15:00-15:20	10:00-10:20	Oral Session

Paige Derr, National Institutes of Health (NIH), United States

Title: High-throughput drug screening using 3D bioprinted human skin models to identify therapeutic candidates for melanoma and squamous cell carcinoma

15:20-16:00	10:20-11:00	Keynote Session

Kunal Mitra, Florida Tech, United States

Title: AI-integrated high-throughput tissue-chip for space-based biomanufacturing applications

16:00-16:10	18:30-18:40	Poster Session

Sarvin Mostafavi, Royan Institute, Iran (Islamic Republic of)

Title: Self-pumping scaffolds for skin tissue engineering: A systematic review

16:10-16:20	12:10-12:20	Poster Session

Tamara Inostroza Leiva, Universidad Técnica Federico Santa María, Chile

Title: Evaluating an electrically stimulated RN22– NG108-15 co-culture platform for peripheral nerve tissue engineering

End Note

VIRTUAL

Day 03 – ROOM 2 @Zoom Meetings

30 September, Wednesday

BRITISH SUMMER TIME (BST)

08:30-09:00 AV Check

Moderator:
Alice Sharma, MIET, India

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
09:00-09:40	10:00-10:40	Keynote Session

Julia Sidorova, Instituto Carlos III de Salud (CIBER-EHD), Spain

Title: Scientist's computational lawyer

09:40-10:20	14:10-14:50	Keynote Session

KR Aneja, Kurukshetra University, India

Title: Bioherbicides for eco-friendly weed management from fields to commercialization, constraints and solutions for sustainable agriculture

10:20-11:00	14:50-15:30	Keynote Session

Gunjan Mukherjee, Chandigarh University, India

Title: Lignocellulosic biomass to biofuels and biochemicals: Microbial innovations for a sustainable future

11:00-11:40	12:00-12:40	Keynote Session

Tania Limongi, University of Turin, Italy

Title: Osmotic lysis–driven Extracellular Vesicle (EV) engineering

11:40-12:00	20:40-21:00	Oral Session

Md Monir Hossain, RMIT University, Australia

Title: Phage display-based biosensing for rapid detection of neonatal Group B Streptococcal (GBS) infection

12:00-12:20	16:30-16:50	Oral Session

Santosh Kumar Mishra, S.N.D.T. Women's University (Retired), India

Title: Contribution of bioengineered food in addressing hunger and Food and Nutrition Security (FNS)

VIRTUAL

30 September, Wednesday

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
12:20-12:40	16:50-17:10	Oral Session

Santosh Kumar Mishra, S.N.D.T. Women's University (Retired), India

Title: An insight into sustainable practices in Environmental Biotechnology (EB)

12:40-13:00	17:10-17:30	Oral Session

Mohd Sameer, Sardar Vallabhbhai Patel University of Agriculture and Technology, India

Title: AI-driven prediction and surveillance of antimicrobial resistance using integrated multi-source data: A one health approach

13:00-13:20	17:30-17:50	Oral Session

Koustav Sarkar, SRM Institute of Science and Technology, India

Title: Signal Transducer and Activator of Transcription (STAT)-mediated epigenetic and epitranscriptomic regulation of T helper cell differentiation in non-small cell lung cancer

13:20-13:40	17:50-18:10	Oral Session

Prashant Sakharam Bhokardankar, Datta Meghe Ayurvedic Medical College Hospital and Research Centre, India

Title: Ancient wisdom, modern science: Biotech services transforming ayurveda

13:40-14:00	14:40-15:00	Oral Session

Pauline Lizondo-Balderas, Paul Sabatier University, France

Title: Covalent Jo-In complexes for the assembly of artificial cellulosomes

14:00-14:20	18:30-18:50	Oral Session

Udaybhan Yadav, University of Mumbai, India

Title: Harnessing plant-derived bioactive compounds and microbial biotechnology to combat antimicrobial resistance

14:20-14:40	18:50-19:10	Oral Session

Alice Sharma, MIET, India

Title: Nanoparticle based targeted drug delivery systems for cancer therapy

VIRTUAL

30 September, Wednesday

BRITISH SUMMER TIME (BST)	PRESENTER'S LOCAL COUNTRY TIME	
14:40-15:00	10:40-11:00	Oral Session

Anabella E. Gallardo, Organización Agroproductiva, Argentina

Title: Biostimulants: Advances toward more efficient and sustainable agriculture

15:00-15:40	19:30-20:10	Keynote Session

Narendra Chirmule, Indian Institute of Technology (IIT), India

Title: Why do 90% of the drug's fail in development? An analysis of 82+ submissions; and a case study of immunotherapy

15:40-16:20	10:40-11:20	Keynote Session

Thomas J Webster, Brown University, United States

Title: Eliminating implant failure in humans with nano chemistry: 45,000 cases and counting

16:20-17:00	11:20-12:00	Keynote Session

Murray Moo Young, University of Waterloo, Canada

Title: Renewed novel biotech ideas, with bioreactor bioengineering economic impact

17:00-17:40	09:00-09:40	Keynote Session

Luis Jesus Villarreal Gomez, Universidad Autonoma de Baja California, Mexico

Title: Evaluating cell compatibility and subcutaneous host response of silk fibroin–chitosan plug composites as potential resorbable implants

17:40-18:00	09:40-10:00	Oral Session

Zuchang Pei, Independent Researcher, Canada

Title: Regulatory integration as a systems-biology framework for organizational state transitions

18:00-18:20	19:00-19:20	Oral Session

Chika Ifeanyi Chukwuma, Central University of Technology, South Africa

Title: Pomegranate peel ellagitannins ameliorate fructose-induced metabolic dysfunction in rats: Potential mechanisms of action

End Note

WE WISH TO MEET YOU AGAIN AT OUR UPCOMING EVENTS

7th Edition of International Conference on
Tissue Engineering and Regenerative Medicine
September 2027 | Hybrid Event
https://magnusconferences.com/tissue-engineering/

7th Edition of Euro-Global Conference on
Biotechnology and Bioengineering
September 2027 | Hybrid Event
https://biotechnology-conferences.magnusgroup.org/

LONDON
UK



Questions? Contact
Phone: +1 (702) 988-2320 | Whatsapp: +1 (640) 666-9566
E-mail: secretary@magnusconference.com