

3RD EDITION OF
INTERNATIONAL CONFERENCE ON

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

AUGUST 21-23, 2023

LONDON, UK | HYBRID EVENT

**CONFERENCE
PROGRAM**

Venue:

Copthorne Hotel Slough-Windsor
Cippenham Ln, Slough SL1 2YE, United Kingdom

DAY 01

Monday, August 21
(In-person)

08:00-08:50

Registrations

08:50-09:00

Opening Ceremony and
Introduction

09:00-11:00

In-person Keynote Presentations

11:20-18:00

In-person Oral Presentations

18:00-18:30

In-person Poster Presentations

DAY 02

Tuesday, August 22
(Virtual)

08:30-09:00

AV check

09:00-10:20

Virtual Keynote Presentations

10:20-11:10

Virtual Poster Presentations

11:10-15:30

Virtual Oral Presentations

DAY 03

Wednesday, August 23
(Virtual)

08:30-09:00

AV check

09:00-10:20

Virtual Keynote Presentations

10:20-15:40

Virtual Oral Presentations

IN-PERSON

VIRTUAL

Day 01 Break Timings

11:00-11:20

Coffee Break

13:00-14:00

Lunch Break

16:00-16:20

Coffee Break

Important Note

- The conference program will follow British Summer Time (BST).
- The first day (DAY 1) of the program will be an In-Person session held at the Copthorne Hotel Slough-Windsor in London, UK. The subsequent two days (Day 2 & Day 3) will be virtual sessions.
- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation.
- When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.

DAY 1

In-person

AUGUST 21, 2023
Monday

KEYNOTE PRESENTATIONS

British Summer Time (BST)

@WINDSOR SUITE

08:00-08:50 | Registrations

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

Moderator:

Linas Jonusauskas, Vital3D Technologies, Lithuania

09:00-09:40 In-Person

Nagy Habib

Imperial College London,
United Kingdom

Title: RNA activation in cancer and rare genetic diseases

09:40-10:20 In-Person

Yong Xiao Wang

Albany Medical College,
United States

Title: Novel molecular mechanisms and therapeutic options for pulmonary hypertension

10:20-11:00 In-Person

Vasiliki E Kalodimou

Director Flow Cytometry-
Research, Greece

Title: Characterization of Mesenchymal Stem Cells (MSCs) and their use in the treatment of COVID-19

Group Photo

11:00-11:20 | Coffee Break @Pre function lobby

ORAL PRESENTATIONS

Chair:

Vasiliki E Kalodimou, Director Flow Cytometry-Research, Greece

11:20-11:40 In-Person

Lindy Jang

Lawrence Livermore National
Laboratory, United States

Title: Biofabrication of functional human intestinal tissue with villi and crypts using high-resolution 3D printing technique

11:40-12:00 In-Person

Tong Ming Liu

Institute Of Molecular and Cell
Biology (IMCB), Singapore

Title: iPSC-MSCs for cell and gene therapy in cartilage repair

12:00-12:20 In-Person

George Koliakos

Biohellenika Thessaloniki, Greece

Title: Laminin peptides attached to hydrogels may serve as flexible scaffolds for tissue repair



British Summer Time (BST)

12:20-12:40 In-Person

Jordan Copner
Copner Biotech Ltd,
United Kingdom

Title: Next generation 3D-bioprinting through superior software modelling

12:40-13:00 In-Person

Linus Jonusauskas
Vital3D Technologies, Lithuania

Title: Ultra-high throughput multiphoton 3D bio-printer

13:00-14:00 | Lunch Break @Retrouve Restaurant

14:00-14:20 In-Person

Charalampos Oikonomidis
Biomedical Research Foundation
Academy of Athens, Greece

Title: Rat kidney decellularization in purpose of development of tissue engineering scaffold and recellularization with human mesenchymal stem cells derived from human umbilical cord

14:20-14:40 In-Person

Viera Khunova
Slovak University of Technology,
Slovakia

Title: Biodegradable electrospun PCL/GEL nanofibers: Effect of tubular halloysite on physical and biological properties

14:40-15:00 In-Person

Hana Studenovska
Institute of Macromolecular
Chemistry, Czech Republic

Title: Biodegradable ultrathin nanofibrous membranes for retinal tissue engineering

15:00-15:20 In-Person

Viviane Gomide
Pontifical Catholic University of
Minas Gerais, Brazil

Title: In vitro and in vivo osteogenic potential of bioactive glass-PVA hybrid scaffolds colonized by mesenchymal stem cells

15:20-15:40 In-Person

Obiweluozor Francis Onyekachi
Chonnam University Hospital &
Medical School, Korea

Title: Optimizing electrospun biodegradable small diameter vascular graft via 3D printing reinforcement achieved a long-term patency neotissue formation in a small animal model

15:40-16:00 In-Person

Argyro Niti
Biohellenika Thessaloniki, Greece

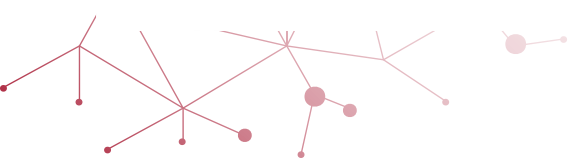
Title: A long-acting bioactive patch consisting of copolymers with inherent antimicrobial properties

16:00-16:20 | Coffee Break @Pre function Lobby

16:20-16:40 In-Person

Sara Ibrahim AlSalhi
University of Liverpool,
United Kingdom

Title: Bioengineering of identifying transcriptional elements driving MMP13 gene in skeletal development





British Summer Time (BST)

16:40-17:00 In-Person

Darwin Eton
Vasogenesis Inc, United States
Title: Strategy to promote neovascularization and fibrinolysis in vascular disease

17:00-17:20 In-Person

Jaber Haj Ali
Charite University Medicine
Berlin & Consulting Medical Lab
Palestine, Palestine
Title: Influence of exposure to pesticides on telomere length and pregnancy outcome: Diethylphosphates but not dimethylphosphates are associated with accelerated telomere attrition in a palestinian cohort

17:20-17:40 In-Person

Samar H Kassem
October 6 University, Egypt
Title: Cellular conflicts, degenerative disease onset and nutritional demands: a novel insight on the role of single cell nutrients as adjuvant to cell therapy

17:40-18:00 In-Person

Seyed Mohammad Gheibihayat
Shahid Sadoughi University of
Medical Sciences, Iran
Title: The role of efferocytosis in stem cell-based tissue engineering

(18:00-18:30) POSTER PRESENTATIONS

PP01 In-Person

Jiaming Zhou
The Technology Innovation
Institute (TII), UAE
Title: Exploration of the cGMP-PKG-dependent transcriptome in photoreceptors via spatial capture technology

PP02 In-Person

Kwon Taek Lim
Pukyong National University,
Korea
Title: NIR-degradable and biocompatible hydrogels derived from hyaluronic acid and coumarin for drug delivery and bio-imaging

PP03 In-Person

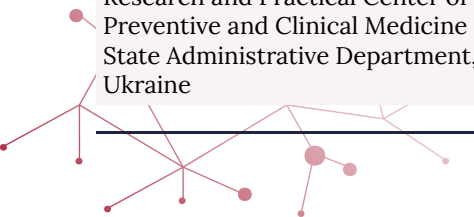
Raihaan Biju
Imperial College London,
United Kingdom
Title: Corneal tissue engineering at a glance

PP04 In-Person

Maria Toumazou
EUC School of Medicine
Frankfurt, Germany
Title: Preliminary data of adipose stem cells and stem cells markers by flow cytometry and their use in regenerative medicine-plastic surgery

PP05 In-Person

Oleksandr Sopko
State Institution of Science
Research and Practical Center of
Preventive and Clinical Medicine
State Administrative Department,
Ukraine
Title: MicroRNA-155 in mononuclears as a predictor of acute kidney injury in patients with ST-elevation myocardial infarction



DAY 2

VIRTUAL

AUGUST 22, 2023

Tuesday

KEYNOTE PRESENTATIONS

British Summer
Time (BST)

Local Timings

08:30-09:00 BST | AV check

Moderator:

Madhu Gupta, School of Pharmaceutical Sciences, India

09:00-09:40

16:00-16:40

Thomas J Webster

Hebei University of Technology,
China

Title: A revolution or surrender: The success and failures of tissue engineering and regenerative medicine

09:40-10:20

14:10-14:50

Sandeep Shrivastava

Datta Meghe Institute of Higher
Education & Research, India

Title: Sandeep's Procedure for Induction of Neo-angiogenesis (SPIN) for management of necrosis in tissue & impending gangrenes

POSTER PRESENTATIONS

10:20-10:30

17:20-17:30

Lianqin Liu

Henan Provincial People's
Hospital, China

Title: The role and mechanism of ASS1 and urea in the regulation of glycolysis and pyrimidine synthesis by UT-B in B16 cells, respectively

10:30-10:40

17:30-17:40

Tingting Li

Henan Provincial People's
Hospital, China

Title: Single-cell RNA-seq reveals the transcriptome differences of spermatogonial stem cells between pre-pubertal and adult buffalo

10:40-10:50

17:40-17:50

Peiye Song

Henan Provincial People's
Hospital, China

Title: SIRT1 inhibits metastasis of ovarian cancer cells through ER α -mediated autophagy

10:50-11:00

17:50-18:00

Xinwei Zhang

Henan Provincial People's
Hospital, China

Title: Molecular mechanism of GATA2 and AR regulating BRCA1 transcription in sporadic ovarian cancer

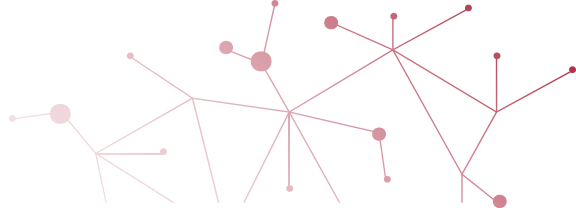
11:00-11:10

13:30-13:40

Adnan AlizadehNaini

Shiraz University, Iran

Title: The pH-sensitive natural polymers in wound healing drug delivery



ORAL PRESENTATIONS

11:10-11:30 18:10-18:30

Hongjie Zheng

Shanghai Jiao Tong University,
China

Title: Fat extract improves fat graft survival via proangiogenic, anti-apoptotic and proliferative activities

11:30-11:50 11:30-11:50

Tiah Oates

University of Bristol,
United Kingdom

Title: A 3D-Bioprinted in vitro adipose tissue model for the study of macrophage polarisation and function within metabolic disease.

11:50-12:10 13:50-14:10

Vyacheslav R Shulunov

Institute of Physical Materials
Science of the Siberian Branch of
the Russian Academy of Science,
Russia

Title: Simultaneous 3D bioprinting of multilayer tissues, blood vessels and organs

12:10-12:30 16:40-17:00

Madhu Gupta

School of Pharmaceutical
Sciences, India

Title: Embracing the potential of biopolymer based hydrogel: The new frontier in chronic wound therapy

12:30-12:50 12:30-12:50

Constance Gnanasagaran

Kingston University,
United Kingdom

Title: Degradation, bioactivity and cytotoxicity evaluation of Polyhydroxyalkanoate (PHA) reinforced with nano-Calcium Phosphate (nCaP) and chitosan for bone regeneration

12:50-13:10 18:50-19:10

Fajar Shodiq Permata

Universitas Brawijaya, Indonesia

Title: Rat's subcutaneous response toward decellularized goat skin and heterologous platelet-rich plasma (PRP)

13:10-13:30 08:10-08:30

Kunal Mitra

Florida Institute of Technology,
United States

Title: 3D Bioprinted vascularized tissue model for cardiovascular and cerebrovascular applications

13:30-13:50 08:30-08:50

Karma Pace

Harrisburg University,
United States

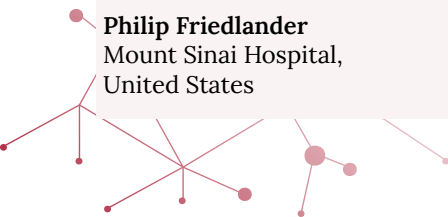
Title: The effects of exosomal L1cam on glioblastoma migration and proliferation

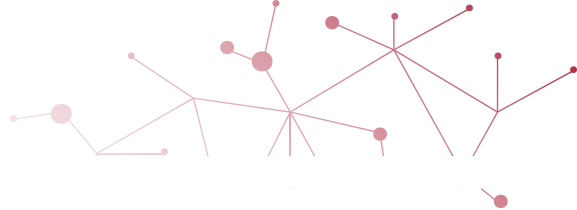
13:50-14:10 08:50-09:10

Philip Friedlander

Mount Sinai Hospital,
United States

Title: Advances in treatment of metastatic stage iv melanoma through modulation of the microenvironment of metastases using immune checkpoint modulators and subsequent use to treat micrometastases in the adjuvant setting





14:10-14:30 17:10-17:30

Eva Naffrichoux
GIP CYROI, France

Title: Importance of nanofiber scaffolds porosity on bone regeneration of calvaria defect in a wistar rat model

14:30-14:50 16:30-16:50

Yulia Basok V.I. Shumakov
National Medical Research
Center of Transplantology and
Artificial Organs, Russia

Title: Fine dispersed tissue-specific scaffolds as a tool of tissue engineering

14:50-15:10 10:30-10:50

Lucas Leite Ribeiro
Prime Regen, Brazil

Title: "Preparing the soil"-optimizing metabolic management in regenerative medicine procedures

15:10-15:30 07:10-07:30

Bijan Nejadnik
SanBio Inc, United States

Title: Efficacy and safety outcomes in patients with chronic traumatic brain injury: Final analysis of the randomized, double-blind, surgical sham-controlled phase 2 STEMTRA Trial



End of Day 2

DAY 3

VIRTUAL

AUGUST 23, 2023
Wednesday

KEYNOTE PRESENTATIONS

British Summer
Time (BST)

Local Timings

08:30-09:00 BST | AV check

Moderator:

Ratan K Choudhary, Guru Angad Dev Veterinary and Animal Sciences University, India

09:00-09:40

11:00-11:40

Orestis Ioannidis
Aristotle University of
Thessaloniki, Greece

Title: Open abdomen and negative pressure wound therapy for acute peritonitis, especially in the presence of anastomoses and ostomies

09:40-10:20

14:10-14:30

Ruben Pereira
University of Porto, Portugal

Title: Light-based bioprinting: From bioink design to modulation of cell response in bioprinted hydrogels

ORAL PRESENTATIONS

10:20-10:40

11:20-11:40

Roberto Gramignoli
Karolinska Institutet, Sweden

Title: Humanized chimeric animals to test drugs or evaluate novel cell and gene therapies

10:40-11:00

12:40-13:00

Albert Ivanovich Krashenyuk
Academia Hyrudotherapy, Russia

Title: Pandemic COVID-19-postcovid syndrome": Was it possible to save the doctors and staff of the "red zone" of hospitals from illness and death?

11:00-11:20

13:00-13:20

Orestis Ioannidis
Aristotle University of
Thessaloniki, Greece

Title: Use of indocyanine green fluorescence imaging in extrahepatic biliary tract surgery

11:20-11:40

15:50-16:10

Ratan K Choudhary
Guru Angad Dev Veterinary and
Animal Sciences University, India

Title: Harnessing canine stromal vascular fractions: Unraveling immunomodulation in co-culture with PBMCs for enhanced tissue repair and regeneration

11:40-12:00

13:40-14:00

Panagiotis Mallis
Biomedical Research Foundation
Academy of Athens, Greece

Title: Immunomodulatory and regenerative properties of mesenchymal stromal cells: Can we improve their abilities?



British Summer
Time (BST) Local Timings

12:00-12:20 13:00-13:20

Agnieszka Ewa Wiacek
Maria Curie-Skłodowska
University, Poland

Title: Physicochemical characteristics of the bioactive substances films deposited onto PEEK or PEEK/bioglass

12:20-12:40 14:20-14:40

Ruslan G Guseinov
St. Luka Clinical Hospital, Russia

Title: Possible protection mechanism of cells by sodium fumarate during warm ischemia in partial nephrectomy

12:40-13:00 13:40-14:00

Pavla Jendelova
Institute of Experimental
Medicine CAS, Czech Republic

Title: Axon regeneration after spinal cord injury using AAV-mediated gene therapy

13:00-13:20 15:20-15:40

Anil Hatiboglu
Hacettepe University, Turkey

Title: Stochastic analysis of cell encapsulation in picoliter droplets in a microfluidic system designed for 3D cell culture

13:20-13:40 08:40-09:00

Soona Shin
Cincinnati Children's Hospital
Medical Center, United States

Title: Role of hepatic progenitor cells in chronic liver disease and cancer

13:40-14:00 09:00-09:20

Chen Kaifu
Harvard University, United States

Title: System methods to define master regulator of cell identity in development and diseases

14:00-14:20 15:00-15:30

Konop Marek
Medical University of Warsaw,
Poland

Title: Application of keratin biomaterials in healthy and diabetic wound healing – experimental studies

14:20-14:40 09:20-09:40

Anna Gosiewska
Celularity Inc, United States

Title: Mesenchymal like stromal adherent cells and their therapeutic potential

14:40-15:00 17:40-18:00

Gagik Hakobyan
Yerevan State Medical University,
Armenia

Title: Regenerative therapy for the treatment of peri-implantitis in patients with type 2 diabetes mellitus



British Summer
Time (BST) Local Timings

15:00-15:20

17:30-17:50

Peyvand Parhizkar Roudsari
Tehran University of Medical
Sciences, Iran

Title: Advancements in Mesenchymal Stem Cell (MSC)-based therapies for diabetic ulcers: Focus on placenta-derived MSCs and acellular amniotic membrane

15:20-15:40

19:50-20:10

Josita Jude Alloysius
KAATSU International University,
Srilanka

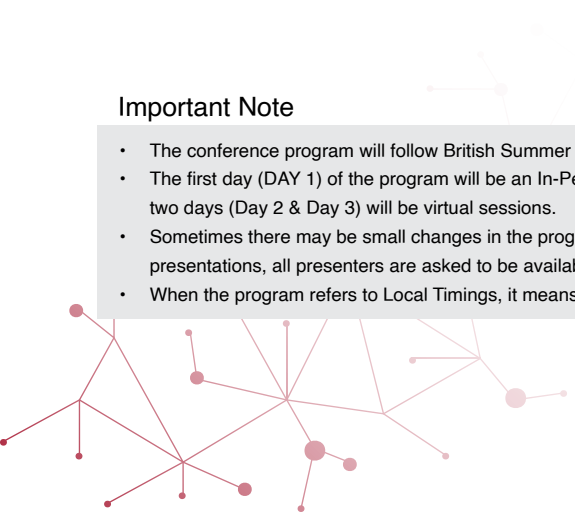
Title: Normal cellular differentiation without reprogramming pluripotent factors and banking cancer stem cells: A new era in regenerative medicine


****END NOTE****



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*We wish to meet you again at our
upcoming event..*

4th Edition of International Conference on
Tissue Engineering and Regenerative Medicine
September 12-14, 2024 | Germany | Hybrid Event

Questions? Contact

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e-mail: tissue-engineering@magnusconference.com

