

2ND EDITION OF
INTERNATIONAL CONFERENCE ON

TISSUE ENGINEERING AND REGENERATIVE MEDICINE

SEPT

16-17



VIRTUAL EVENT

Contact us:

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DAY 01

FRIDAY, SEPTEMBER 16

Moderator: Christiane Laranjo Salgado, Institute of Research and Innovation in Health(i3S), Brazil

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30-10:00		AV Check
10:00-10:10		Introduction
10:00 - 10:40	12:00 - 12:40	Federico Carpi, University of Florence, Italy Title: Electroactive polymer-based smart scaffolds for tissue engineering and regenerative medicine
10:40 - 11:20	13:40 - 14:20	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

ORAL PRESENTATIONS

Session chair: Michel Leclerc, Orleans University, France

11:20-11:40	21:20 - 21:40	Pratap Devarapalli, University of Tasmania, Australia Title: Patenting Bioprinting Innovations
11:40-12:00	19:40 - 20:00	Haidong Liang, The Second Affiliated Hospital of Dalian Medical University, China Title: Clinical application and value of a new type of double-layer artificial dermis in the treatment of skin and soft tissue defects at the tip of fingers and toes
12:00 - 12:20	13:00 - 13:20	Sara Ibrahim AlSalhi, University of Liverpool, United Kingdom Title: Transcriptional elements in the MMP13 gene: Can we target it in osteoarthritis?
12:20 - 12:40	14:20 - 14:40	Roberto Gramignoli, Karolinska Institutet, Sweden Title: Cellular mechanism in support of perinatal amnion epithelial stem cell transplantation without immunosuppression
12:40 - 13:00	09:40 - 10:00	Christiane Laranjo Salgado, Institute of Research and Innovation in Health(i3S), Brazil Title: Design of 3D bioengineered personalized scaffolds to potentiate bone ingrowth and angiogenic network for oral tissues reconstruction
13:00 - 13:20	18:30 - 18:50	Neha Ashok Waghmare, Pandorum Technologies Pvt. Ltd, India Title: Biomimetic 3D bioprinted scaffold for sutureless corneal regeneration
13:20 - 13:40	18:50 - 19:10	Victor A, Indian Institute of Science, India Title: Bioactive snail mucus promotes cell attachment and mechanical properties of porous agarose 3D scaffold for tissue engineering applications

Shrikant L Kulkarni, Kulkarni Clinic, India

13:40 - 14:00 19:10 - 19:30 Title: In situ regeneration needs to establish a precise cellular microenvironment to restore renal function

Dina Ahmed Salem, Misr University for Science and Technology, Egypt

14:00 - 14:20 16:00 - 16:20 Title: Predicting performance of nanofibrous scaffolds for skin tissue engineering: Deep learning compared to machine learning regression models

Richard J McMurtrey, Alpine Athletic Medicine Institute, United States

14:20 - 14:40 08:20 - 08:40 Title: Novel regenerative interventions for osteoarthritis: An early clinical review of image-guided intra-articular and extra-articular delivery of new orthobiologic and pharmacologic agents for cartilage repair

Alton Ingram, Ingram Cosmetic Surgery, United States

14:40 - 15:00 09:40 - 10:00 Title: Autologous fat transfer/brazilian butt lift: Patient safety and best practices

Diana Stan, Titu Maiorescu University, Romania

15:00 - 15:20 18:00 - 18:20 Title: Smart hydrogel films for wound monitoring and healing

KEYNOTE PRESENTATIONS**Ruben F Pereira, University of Porto, Portugal**

15:20 - 16:00 16:20 - 17:00 Title: Mechanical modulation of cell response in 3D Bioprinted hydrogels

POSTER PRESENTATIONS**Alessandro Bertolo, Swiss Paraplegic Research, Switzerland**

16:00 - 16:10 18:00 - 18:10 Title: Tissue engineering approach to decrease complications after surgical treatment of pressure injuries in spinal cord injured patients

Onwuegbuchulam Olachi Angelica, University Hospital Muenster Germany, Germany

16:10 - 16:20 18:10 - 18:20 Title: Recellularized organs as ex vivo models for colorectal cancer metastasis

Deptula Milena, Medical University of Gdansk, Poland

16:20 - 16:30 18:20 - 18:30 Title: RADA16-I based scaffolds for wound healing and regenerative medicine

Yusser Olguin, Federico Santa Maria Technical University, Chile

16:30 - 16:40 13:30 - 13:40 Title: Electrical stimulation in nerve tissue engineering. Multifactorial analysis in vitro

Sara Darakhshan, Kermanshah University of Medical Sciences, Iran

16:40 - 16:50 21:10 - 21:20 Title: Hemostatic polyurethane sponge containing kaolin, tannic acid and tranexamic acid

Silindile Ngcobo, University of Cape Town, South Africa

16:50 - 17:00 18:50 - 19:00 Title: Heparin conjugated fibrin as a delivery vehicle for regenerative medicine

Adnan AlizadehNaini, Department of Materials Science and Engineering, Iran (Islamic Republic of)

17:00 - 17:10 21:30 - 21:40 Title: Hydrogels reinforced with TiO₂-NPs for wound healing application

Mahdieh Ghiasi, Tehran University of Medical Sciences, Iran (Islamic Republic of)

17:10 - 17:20 21:40 - 21:50 Title: Lyophilized PRF/demineralized bone matrix as novel element for osteogenesis

DAY 02

SATURDAY, SEPTEMBER 17

Moderator: Madhu Gupta, Research University, India

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
10:00 - 10:40	12:00 - 12:40	Michel Leclerc, Orleans University, France Title: Xenografts and genomic in cancer research from invertebrates to vertebrates with the sea star as a model of study
10:40 - 11:20	16:10 - 16:50	Sandeep Shrivastava, Datta Meghe Institute of Medical Sciences, India Title: Emerging trends for regenerative care for complex wound
11:20 - 12:00	14:20 - 15:00	Vasiliki E Kalodimou, Director Flow Cytometry-Research & Regenerative Medicine Department, Greece Title: Characterization of mesenchymal stem cells (MSCs) and their use in the treatment of COVID-19

ORAL PRESENTATIONS

12:00 - 12:20	20:00 - 20:20	Yang Long, The Affiliated Hospital of Guizhou Medical University, China Title: Hierarchical delivery of nanofibers to promote vascularized osteogenesis by regulating macrophage polarization
12:20 - 12:40	15:20 - 15:40	Anthi Ranella, Institute of Electronic Structure and Laser (IESL), Greece Title: Mechanobiology in neural tissue regeneration
12:40 - 13:00	15:40 - 16:00	Yulia Alexandrovskaya, Federal Scientific Research Center "Crystallography and Photonics", Russian Federation Title: Mechanisms of tissue reshaping and regeneration using thermomechanical effect of infrared laser
13:00 - 13:20	20:00 - 20:20	Fajar Shodiq Permata, Universitas Brawijaya, Indonesia Title: Combination of tofu okara and etawa goat milk prevented inflammation and bone loss in the menopausal rat model
13:20 - 13:40	09:20 - 09:40	Mohan Malleshaiah, Montreal Clinical Research Institute, Canada Title: Altering stem cell states by controlling cell signaling information
13:40 - 14:00	15:40 - 16:00	Dalia Alaa- El Din Aly El-Waseef, Ain Shams University, Egypt Title: Bone marrow- versus adipose tissue-derived mesenchymal stem cells: The long-term effect on experimentally lacerated gluteal muscle A comparative histological study
14:00-14:20	17:00 - 17:20	Panagiotis Mallis, Biomedical Research Foundation Academy of Athens, Greece Title: Therapeutic applications of mesenchymal stromal cells in COVID-19: Promising evidence from in vitro results

14:20 - 14:40	19:50 - 20:10	Madhu Gupta, Research University, India Title: Placental therapy: Is really a natural weapon for wound healing therapy?
14:40 - 15:00	17:40 - 18:00	Andrey Belousov, Laboratory Applied Nanotechnologies, Ukraine Title: Effect of nanotechnologically treated physiological saline solution on clinical and physiological parameters of preserved donor erythrocytes during the stages of their storage under hypothermic conditions
15:00 - 15:20	15:00 - 15:20	Marie Pearl Otoo Seniagya, University of Ghana, Ghana Title: Investigating the redox activities of antifungal drugs and selected cell lines in the presence of functionalized chitosan nanocomposites
15:20 - 15:40	19:50 - 20:10	Bita Shalbafan, Shahid Beheshti University of Medical Sciences, Iran Title: Mesenchymal stem cell derived exosomes in neurological disorders
15:40 - 16:00	18:40 - 19:00	Vyacheslav Shulunov, Institute of Physical Materials Science, Siberian Branch of the Russian Academy of Sciences, Russian Federation Title: Rapid parallel search technology for global control of the spread of respiratory infections
16:00 - 16:20	12:00 - 12:20	Xiaobo Mao, Johns Hopkins University School of Medicine, United States Title: Pathogenic α -synuclein cell-to-cell transmission mechanism and related therapeutic development
16:20 - 16:40	18:20 - 18:40	Karin Schutze, Former PALM company, Germany Title: Non-destructive quality control of 2D and 3D cell cultures using Raman-Trapping-Microscopy (RTM)

KEYNOTE PRESENTATIONS

16:40 - 17:20	17:40 - 18:20	Alexander Seifalian, BioScience Innovation Centre, United Kingdom Title: Graphene, butterfly and stem cells is set to revolutionise Surgical Implants
17:20 - 18:00	19:20 - 20:00	Laurent Pieuchot, University of Haute-Alsace, France Title: Curvotaxis mechanism in single cells and epithelia

UPCOMING CONFERENCES

3rd Edition of International Conference on
Tissue Engineering and Regenerative Medicine

August 21-23, 2023 | London, UK

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