15th International Conference on Tissue Engineering & Regenerative Medicine
### SCIENTIFIC PROGRAM

**DAY 1**  
**Wednesday 24th March**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30-09:00</td>
<td>Registrations</td>
</tr>
<tr>
<td>09:00-09:30</td>
<td>Introduction</td>
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<tr>
<td>09:30-09:50</td>
<td>COFFEE BREAK</td>
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<tr>
<td>09:50-11:50</td>
<td>KEYNOTE LECTURES</td>
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<tr>
<td>11:50-13:10</td>
<td>Talks On:</td>
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<tr>
<td></td>
<td>Scaffolds</td>
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<td></td>
<td>Cord Blood Stem Cells and Regenerative Medicine</td>
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<td>Bone and Cartilage Tissue Engineering</td>
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<td>Stem cells to Battle cancer</td>
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<tr>
<td>13:10-13:15</td>
<td>GROUP PHOTO</td>
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<tr>
<td>13:15-14:00</td>
<td>LUNCH BREAK</td>
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<tr>
<td>14:00-16:00</td>
<td>Talks On:</td>
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<tr>
<td></td>
<td>Novel Approaches guided in Tissue Engineering</td>
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<td></td>
<td>Clinical Medicine</td>
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<td></td>
<td>Clinical trials with Stem Cells</td>
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<td></td>
<td>Biomaterials &amp; Bioengineering</td>
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<td>Biomarkers</td>
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<td>16:00-16:20</td>
<td>COFFEE BREAK</td>
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<tr>
<td>16:20-17:00</td>
<td>MEETING HALL 01 (16:20-17:00)</td>
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<tr>
<td>17:00-18:00</td>
<td>MEETING HALL 01 (17:00-18:00)</td>
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<tr>
<td></td>
<td>Young Researchers in Tissue Engineering</td>
</tr>
<tr>
<td></td>
<td>Workshop</td>
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</tbody>
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[https://tissuescience-regenerativemedicine.expertconferences.org/](https://tissuescience-regenerativemedicine.expertconferences.org/)
SCIENTIFIC PROGRAM

DAY 2
Thursday 25th March

09:00-10:30 Meeting Hall 01
KEYNOTE LECTURES

10:30-10:50 COFFEE BREAK

10:50-12:50 Talks On:
- Regeneration & Therapeutics
- Rejuvenation
- Immunotherapy
- Stem cell treatment for Diabetes
- Applications of Tissue engineering & Regenerative Medicine
- Bioreactors in Tissue Engineering

12:50-13:35 LUNCH BREAK

MEETING HALL 01
13:35-15:55 Talks On:
- Biochips & Tissue chips
- Cancer Stem Cells
- Chemotherapy
- Tissue Regeneration
- Advances in Stem Cell

15:55-16:1 COFFEE BREAK

Poster Presentations Workshop

Awards & Closing Ceremony

https://tissuescience-regenerativemedicine.expertconferences.org/
Norris Stanley Nahman
Medical College of Georgia-Augusta University, USA

Xiaonan Wang
Emory University, USA

Simon Allen
Fine Treatment, UK

Isabel Roberti
RWJBarnabas Health, USA

Edwin Rodríguez-Cruz
San Juan Bautista School of Medicine, USA

Jia L Zhuo
University of Mississippi Medical Center, USA

Leonardo Spatola
Humanitas University, Italy

Michael F Michelis
Lenox Hill Hospital, USA

R Michael Culpepper
University of South Alabama, USA

Maria-Teresa Parisotto
Fresenius Medical Care, Germany

Robert Hafes
University of Glasgow, UK

Hala Kandil
West Hertfordshire Hospitals NHS Trust, UK

Eli A. Friedman
SUNY Downstate Medical Center, USA

Nicolas Gilles
CEA Institute of Biology and Technology of Saclay, France

Nariaki Asada
Keio University School of Medicine, Japan

Petra Reinke
Charité - Universitätsmedizin Berlin, Germany

Shao-yu Zhang
INSERM, France

Daniela Pogliani
UO Nefrologia e Dialisi, Italy

Visit: https://tissuescience-regenerativemedicine.expertconferences.org/
Lavinia Oltita Brătescu
*Diaverum Morarilor Nephrology and Dialysis Medical Centre, Romania*

Karin Janssen van Doorn
*Federal Agency for Medicines and Health Products, Belgium*

Jorge Ortiz
*University of Toledo, USA*

John Mellas
*St. Mary’s Health Center, USA*

Surjit Tarafdar
*Western Sydney University, Australia*

Thomas Alan Golper
*Vanderbilt University Medical Center, USA*

Thomas Ryzlewicz
*Via Medis Dialysis Center, Germany*

Phuong-Thu Pham
*Ronald Reagan UCLA Medical Center, USA*

Kenrick Berend
*St. Elisabeth Hospital Curacao, The Netherlands*

Takeo Ishii
*Yokohama Daiichi Hospital, Japan*

Roger De Filippo
*Children’s Hospital of Los Angeles, USA*

Zhen Su
*Wenzhou Medical University, China*

Kenjiro Honda
*University of Tokyo Graduate School of Medicine, Japan*

Kathe B Meyer
*Oslo University Hospital, Norway*

Amit Gupta
*Sanjay Gandhi Post Graduate Institute of Medical Sciences, India*

Moro O Salifu
*SUNY Downstate Medical Center, USA*

David H King
*Broomfield Hospital, UK*

Edward Drea
*Sanofi Cambridge, USA*

Michael A. Gorin
*The Johns Hopkins University School of Medicine, USA*

Dario Jimenez Acosta
*Universidad Central del Ecuador*

Aline Diogo Marinho
*Federal University of Ceara, Brazil*

Giovanni Mosiello
*International Continence Society, Italy*
John K. Maesaka
Stony Brook University School of Medicine, USA

Xiao C Li
University of Mississippi Medical Center, USA

Zehra Margot Celik
Marmara University, Turkey

Vinod C Tawar
Kwantlen Medical Clinic, USA

Manuel Pascual
Centre hospitalier universitaire vaudois, Switzerland

Daniel Santos Rocha Sobral Filho
Federal University of Piauí, Brazil

Vaia D. Raikou
Doctors Hospital, Greece

Francesco Paolo Schena
University of Bari, Italy

Nadica Ristoska-Bojkovska
Clinical Hospital Acibadem-Sistina, Macedonia

Wioletta Dziubek-Rogowska
University School of Physical Education, Poland

Deepika Jain
Hudson Kidney Group, USA

Mirey Karavetian
Zayed University, Dubai

Nikolai A Bazaev
National Research University of Electronic Technology, Russia

Surapon Nochaiwong
Chiang Mai University, Thailand

Zaher Armaly
Bar Ilan University, Israel

Nina Dunne
University of Brighton, UK

Dmitry Zorov
Moscow State University, Russia

Pradip Chowdhury
Peritoneal Dialysis Center of America, USA

Areej Mohamed
Ain Shams University, Egypt

Daniel Schock Kusch
MediBeacon GmbH, Germany

Dwijen Das
Silchar Medical College, India

Can Huzmeli
Necip Fazıl City Hospital, Turkey

Kallol Bhattacharjee
Silchar Medical College, India

Yu-Jun Chang
Changhua Christian Hospital, Taiwan

David Tovbin
Emek Medical Center, Israel
Pearl Pai
The University of Hong Kong, China

Kveta Blahova
Charles University, Czech Republic

Levent Yucetin
Antalya Medicalpark Transplant Center, Turkey

Tadashi Yamamoto
Niigata University, Japan

Xiong Ruan
University College London, UK

Xiu-Wu Han
Beijing Chaoyang Hospital, China

Ronald Villota
Columbia University Medical Center, USA

Sami Hayek
Cambridge University Hospitals NHS Foundation Trust Urology, UK

Robert HJ Beelen
VU University Medical Center, The Netherlands

Xiu-Wu Han
Beijing Chaoyang Hospital Affiliated to Capital Medical University, China

Arduino Arduini
University of Chieti-Pescara, Switzerland

Riitta Lassila
Helsinki University, Finland

Tong Wang
Yale University School of Medicine, USA

Vassilios Vargemezis
University General Hospital, Greece

Anil K Mandal
Mandal Diabetes Research Foundation, USA

Samy L Habib
University of Texas, USA

Lois J Arend
Johns Hopkins University, USA

Boris Ajdinovic
Military Medical Academy, Serbia

Joanne Reid
Queen’s University Belfast, UK

Maya N Clark Cutaia
University of Pennsylvania School of Nursing, USA

Bing He
Karolinska Institute, Sweden

Khalid Bashar
University Hospital Limerick, Ireland

Hartmut H J Schmidt
Universitätsklinikum Münster, Germany

Ahmed Zeidan
Hull York Medical School, UK

Barbara Schraml
Klinikum der Universität München, Germany
12th International Conference on
Tissue Engineering &
Regenerative Medicine
&
38th Annual Conference on
Advances in Cancer Research and Therapy
November 11-12, 2019 | Madrid, Spain
DAY-1
November 11, 2019
Meeting Hall: AYALA

09:00-10:00 Registrations

Opening Ceremony

PLEANARY SESSION

10:20-10:30 Introduction

Title: In vitro study in functional coatings of biodegradable magnesium-zinc-zirconium alloy for cardiovascular stents
Li Han Lin, National Cheng Kung University, Taiwan

Group Photo, Networking & Refreshments 11:10-11:30 @ Foyer

10:30-11:10

Title: Novel wound dressings containing magnesium ions
Ying-Jhen Huang, National Cheng Kung University, Taiwan

11:30-12:10

Sessions: Stem Cell Engineering (SCE) | Tissue Engineering and 3D Printing | Biochips & Tissue Chips | Cancer Stem Cells | Chemotherapy | Tissue Regeneration | Advances in Stem Cell | Cancer Therapy | Cancer Research | Cancer Biology | Cancer Metastasis

Chair: Tarek K Motawi, Cairo University, Cairo, Egypt

INTRODUCTION

12:10-12:40

Title: Protein kinase CK2 targeting is a multipotential strategy to counteract tumor metabolic phenotype
Maria Ruzzene, University of Padova, Italy

12:40-13:10

Title: Bio-osteochondral scaffold stress distribution analysis through finite element method for in vivo test
Ming Jian, Secondary School of Nankai, China

Lunch Break 13:10-14:10 @ Hotel Restaurant

14:10-14:40

Title: Targeting protein kinase CK2 and HSP27 to counteract drug-resistance in chronic myeloid leukemia cells
Christian Borgo, University of Padova, Italy

14:40-15:10

Title: Effects of modified Graphene oxide on nervous tissue regeneration
Ayda Yari Ilkhchi, Azerbaijan Shahid Madani University, Iran
POSTER PRESENTATIONS 15:10–16:00 @ FOYER

Poster Judge: Li Han Lin, National Cheng Kung University, Taiwan

RMCT01  
Title: Morphological evaluation of tissue reaction to subcutaneous implantation of decellularized rat heart and lung matrices  
A S Sotnichenko, University of the Ministry of Healthcare of the Russian Federation, Russia

RMCT02  
Title: Reduced cell division control protein 42 activity compromises hematopoiesis-supportive function of Fanconi anemia mesenchymal stromal cells  
Jian Xu, Sun Yat-sen University, China

RMCT03  
Title: Efficiency of olfactory mucosa cell combination in the treatment of the spinal cord injuries  
Stepanova O V, National Medical Research Center for Psychiatry and Narcology, Russia

RMCT04  
Title: Chemomodulatory effect of betanin against paracetamol and diclofenac induced neurotoxicity and endocrine disruption in rats  
Tarek K Motawi, Cairo University, Cairo, Egypt

RMCT05  
Title: Development of method for obtaining the dermal extracellular matrix  
A S Sotnichenko, University of the Ministry of Healthcare of the Russian Federation, Russia

RMCT06  
Title: Study of the prognostic factors of the biochemical relapse of prostate cancer treated by radiotherapy conforming at the EHS in oncology Emir Abdelkader of Oran  
Taleb Lotfi, University Oran, Algeria

RMCT07  
Title: Exploration of the FLT3-ITD mutation in acute myeloid leukemia patients in the western Algerian population  
Wefa Boughrara, Higher School of Biological Sciences of Oran (ESSBO), Algeria

RMCT08  
Title: A stool microRNA panel to identify individuals with high risk for CRC in residual samples of fecal immunochemical test  
Chia-Chun Chen, Chang Gung University, Taiwan

RMCT09  
Title: Classification of gastric cancer samples according to protein expression and MSI status based algorithm  
Lilia Matei, Stefan S Nicolau Institute of Virology, Romania

RMCT10  
Title: Plasma level of COL10A1 is associated with tumor stage and survival in patients with gastric cancer  
Laura Georgiana Necula, Stefan S Nicolau Institute of Virology, Romania

RMCT11  
Title: Bioactive phenolic glycosides from the aerial parts of Stipagrostis plumosa (L.) Munro ex T. Anderson family Poaceae  
Majed Bawazeer, University of the West of Scotland, UK

Networking & Refreshments 16:00–16:20 @ Foyer

Panel Discussion
DAY-2
November 12, 2019
Networking & Lunch 13:10-14:10 @ Hotel Restaurant

Awards & Closing Ceremony

Bookmark your Dates
13th International Conference on
Tissue Engineering & Regenerative Medicine
October 07-08, 2020 Vienna, Austria
E: regenerativemedicine@brainstormingmeetings.com
Website: tissuescience-regenerativemedicine.expertconferences.org
11th International Conference on
Tissue Engineering &
Regenerative Medicine

4th International Conference on
Synthetic Biology and
Tissue Engineering

October 18-20, 2018 | Rome, Italy
DAY-1

October 18, 2018
Meeting Hall: Olimpica 2

09:00-09:30 Registrations

Opening Ceremony

09:30-09:50

KEYNOTE FORUM

09:50-10:00 Introduction

10:00-10:40

Title: Synthetic biology and programmable organoids
Katherine Kiwimagi, Massachusetts Institute of Technology, USA

Title: Reconstruction of urinary organs using tissue engineering constructs with mesenchymal stem cells
Natalia Yudintceva, Russian Academy of Sciences, Russia

10:40-11:20

GROUP PHOTO

Networking & Refreshments 11:20-11:35 @ Foyer

Workshop: Thermal and electrohydrodynamic processes for Tissue Engineering Applications

INTRODUCTION

11:35-12:15

Title: Electrospun nanostructured scaffolds for tissue engineering applications
Dimitrios Lamprou, Queen's University Belfast, UK

12:15-12:55

Title: Electrospinning & 3D Printing in tissue engineering: Challenges and recent advances
Dimitrios Lamprou, Queen's University Belfast, UK

Lunch Break 12:55-13:55 @ Hotel Restaurant


Chair: Katherine Kiwimagi, Massachusetts Institute of Technology, USA
Chair: Nataliya Yudintceva, Russian Academy of Sciences, Russia

13:55-14:20

Title: Branched nerve regeneration using non-tubular artificial nerve sheets
Yoshihisa Suzuki, Kitano Hospital, Japan

14:20-14:45

Title: The cell-cell communication tool box: The synthetic design and implementation of short and long range mammalian cell to cell communication systems
Katherine Kiwimagi, Massachusetts Institute of Technology, USA
14:45-15:10  
**Title:** Poly(L,L-lactide)/collagen/calcium glycerylphosphate composite scaffold seeded with mesenchymal bone marrow stromal cells for bone tissue regeneration  
**Yuliya Nashchekina,** Russian Academy of Sciences, Russia

15:10-15:35  
**Title:** Laser-induced differentiation of adipose stem cells to functional neuronal cells  
**Sajan George,** University of Johannesburg, South Africa

Networking & Refreshments 15:35-15:50 @ Foyer

Panel Discussion

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**DAY-2**

October 19, 2018  
Meeting Hall: Olimpica 2

**KEYNOTE FORUM**

09:50-10:00  
**Introduction**

10:00-10:40  
**Title:** Initial results of a pilot trial of tissue engineered myringoplasties in Western Australia  
**Harvey Coates,** The University of Western Australia, Australia

**Title:** The use of bioinformatics to discover the hidden world of the Twin arginine transport (Tat) system's signal peptides  
**Sharon Mendel Williams,** Coventry University, UK

Networking & Refreshments 11:20-11:35 @ Foyer

**Sessions:** Tissue Regeneration | Bone and Cartilage Tissue Engineering | Novel Approaches in Guided Tissue Regeneration | Tissue Engineering and 3D Printing | Materials and Designs for Tissue Engineering | Scaffolds | Systems Biology | Synthetic Biology

**Chair:** Harvey Coates, The University of Western Australia, Australia

**INTRODUCTION**

11:35-12:00  
**Title:** Exploring unique compounds from lignin degradation using Mutated DyP-type peroxidase enzymes.  
**Sharon Mendel Williams,** Coventry University, UK

12:00-12:25  
**Title:** Role of endothelial biomarkers in patients with coronary artery diseases  
**Naglaa K Idriss,** Assuit University Egypt

12:25-12:50  
**Title:** Stem Cells and Regenerative Medicine in Cardiovascular Engineering  
**Mohammad Reza Hashemzadeh,** Royesh Stem Cell Biotechnology Institute, Iran

Lunch Break 12:50-13:50 @ Hotel Restaurant
**Poster Presentations 13:50-14:50 @ FOYER**

**Poster Judge:** Sharon Mendel Williams, Coventry University, UK

| P: 01 | Title: The therapeutic effect of rat olfactory ensheathing cell transplantation on posttraumatic cysts of the spinal cord
|       | Olga Stepanova, V Serbsky National Medical Research Center for Psychiatry and Narcology, Russia |

| P: 02 | Title: The therapeutic effects of catechol-functionalized hyaluronic acid patch combined with mesenchymal stem cells in diabetic wound
|       | Hyo Jin Kang, Seoul National University Bundang Hospital, South Korea |

| P: 03 | Title: Regenerative Medicine: Gene and stem cell therapy for lung injury
|       | Cheng-Wen Wu, National Yang-Ming University, Taiwan |

| P: 04 | Title: Development and optimisation of complex liver models by 3D bio-printing
|       | Marie Cuvellier, Research Institute for Environmental and Occupational Health, France |

| P: 05 | Title: Development of a bioprinted 3D model of aortic valve leaflet seeded with human valvular interstitial and endothelial cells
|       | Elena Butoi, Institute of Cellular Biology and Pathology, Romania |

| P: 06 | Title: Jurkat T cells activity under co-cultivation with MMSCs and three-dimensional calcium phosphate matrix
|       | Egor Shunkin, Immanuel Kant Baltic Federal University, Russia |

| P: 07 | Title: The effect of activation processes on Jurkat T cells under co-cultivation with MMSCs and three-dimensional calcium phosphate matrix
|       | Vladimir Malashchenko, Immanuel Kant Baltic Federal University, Russia |

| P: 08 | Title: Fabrication of Enriched Scaffold by Extracellular Matrix of Mesenchymal Stem Cells in 3D Culture
|       | Zahra Khodabandeh Jahromi, Shiraz University of Medical Sciences, Iran |

| P: 09 | Title: The Impact of Gene Polymorphisms -899G/C and certain indices on hepatic fibrosis
|       | Naglaa K Idriss, Assuit University Egypt |

| P: 10 | Title: Beneficial Effects of Adipose-Derived-Mesenchymal Stem Cells (AD-MSCs) versus Anti-Parkinson drug in a rat model of Parkinson's disease: Relationship to the molecular genetic expressions, ultrastructural and physiological responses
|       | Naglaa K Idriss, Assuit University Egypt |

**Networking & Refreshments 14:50-15:05 @ Foyer**

**Panel Discussion**

**Day-3**

October 20, 2018

Networking and Lunch @ Hotel Restaurant

Awards & Closing Ceremony
7th International Conference on

TISSUE ENGINEERING & REGENERATIVE MEDICINE

October 02-04, 2017   Barcelona, Spain
Keynote Forum

08:55-09:00  Introduction

09:00-09:45  Title: Scaffolds and stem cells: A tissue engineering approach
Dennis M. Lox, Sports & Regenerative Medicine Centers, Florida
Title: Towards the development of a cell-engineered human cornea
Maria P de Miguel, La Paz Hospital, IDIPAZ, Spain

Coffee Break & Group Photo 10:30-10:45 @ Meeting Hall

10:45-11:30  Title: The subchondral bone as a target of Platelet-Rich Plasma in cartilage degeneration
Mikel Sanchez, Unidad De Cirugía Artroscópica, Spain
Title: Biofabrication in tissue engineering: Current and future trends
Pedro G Morouço, Polytechnic Institute of Leiria, Portugal

Sessions: Scaffolds in Regenerative Medicine | Stem Cells | Stem Cell Treatments | Tissue Repair and Regeneration | Tissue Engineering | Regenerative Medicine
Session Chair: Pedro G Morouço, Polytechnic Institute of Leiria, Portugal
Session Co-chair: Barbara Gawronska-Kozak, Institute of Animal Reproduction and Food Research, Poland

12:15-12:45  Title: Concerted interactions of neurogenesis and myelinogenesis in promoting neuroregeneration
Ing-Ming Chiu, National Health Research Institutes, Taiwan
Title: Peripheral nerve regeneration using artificial nerve sheets composed of freeze-dried alginate gel
Yoshihisa Suzuki, Shiga University of Medical Science, Japan

Lunch Break 13:15-14:00 @ Mediteraneo

14:00-14:30  Title: Response of post-ischemic heart to stem cells treatment: A case study
Domingo Guerra, La Vega, Dominican Republic
Title: From repair to regeneration – transcription factor FOXN1 directs the skin wound healing processes
Barbara Gawronska-Kozak, Institute of Animal Reproduction and Food Research, Poland

15:00-15:30  Title: Complete healing of a non-healing diabetic foot ulcer within one month and persisting for three years using autologous adipose tissue-derived Stromal Vascular Fraction and Platelet Rich Plasma
Triantafyllos Didangelos, Diabetes Center, AHEPA Hospital, Medical School, Aristotle University of Thessaloniki, Greece

Networking and Refreshments Break 16:00-16:15 @ Meeting Hall

16:15-16:45  Title: Behaviour of human mesenchymal-periosteal cells grown in contact with different scaffolds used in dentistry
Gabriele Ceccarelli, University of Pavia, Italy

16:45-17:15  Title: Translating repair into regeneration in wounds with PRP
Sandeep Shrivastava, Datta Meghe Institute of Medical Sciences, India
### Event Schedule

**17:15-17:45**

**Panel Discussion**

**Day 2 October 03, 2017**

**Keynote Forum**

**10:00-10:45**

**Title:** Adipose-derived stem cell therapy for osteoarthritis of the knee  
**Peter Chapman-Smith,** New Zealand Stem Cell Treatment Centre, New Zealand

**Coffee Break 10:45-11:00 @ Meeting Hall**

**11:00-11:45**

**Title:** Mesenchymal stem cells in clinical applications  
**Brian M. Mehling,** Blue Horizon International, USA

**Title:** Transplantation of hepatocyte like cells derived from human tooth into cirrhosis rat model  
**Yaegaki K,** Nippon Dental University, Japan

**Poster Presentation 12:30-13:00 @ Meeting Hall**

**Poster Judges:** Pedro G Morouço, Polytechnic Institute of Leiria, Portugal  
**Domingo Guerra,** Dominican Republic

**TERM1701**

**Title:** Pharmacological Stimulation of Regeneration. The Regennova Project  
**Paweł Sosnowski,** Gdańsk University of Technology, Poland

**TERM1702**

**Title:** Development of a nanocomposite with antibiofilm activity and permissive for delivery of mesenchymal stem cells  
**Roberto Sánchez,** Bienvenido al Instituto Nacional de Rehabilitación, Mexico

**TERM1703**

**Title:** Collagen membranes enriched with graphene oxide significantly enhance DPSCs differentiation and control inflammation occurrence  
**Susi Zara,** University, "G. d’Annunzio", Italy

**TERM1704**

**Title:** Hybrid inorganic-organic nanofibers with antibacterial activity for regenerative medicine  
**Ivana Veverková,** Technical University of Liberec, Czech Republic

**TERM1705**

**Title:** Covalent functionalization of titanium discs with graphene oxide for the improvement of biocompatibility and DPSCs proliferation  
**Roberta Di Carlo,** University “G. d’Annunzio”, Italy

**TERM1706**

**Title:** 3D printing gelatin-alginate hydrogels in cross-linking solution: role of concentration, syringe gauge, and extrusion rate on the hydrogel layering  
**Maha Alruwaili,** University College Dublin, Dublin, Ireland

**TERM1707**

**Title:** Assessment of the osteogenic potential of human autologous bone meal: A cell and molecular biology pilot study  
**Christiane Kunert-Keil,** Technische Universität Dresden, Germany

**TERM1708**

**Title:** Review and perspectives of cell based clinical trials as treatment for urine incontinence  
**Lara M F,** Virgen de la Victoria University Hospital, Spain

**TERM1709**

**Title:** A Si-αTCP scaffold for biomedical applications: A morphological, histological and histomorphometric study in an animal model  
**Piedad N de Aza,** Universidad Miguel Hernandez, Spain

**TERM1710**

**Title:** Neurogenin-2–transduced human neural progenitor cells attenuate neonatal hypoxic-ischemic brain injury  
**Kook In Park,** Yonsei University College of Medicine, Korea

**Lunch Break 13:00-13:45 @ Mediterraneo**

**Sessions:** Regenerative Medicine | Regenerative Medicine | Models of Regeneration | Cell and Organ Regeneration | Regenerative Medicine Market
**Session Chair:** Brian M Mehling, Blue Horizon International, USA  
**Session Co-Chair:** Fumio Arai, Kyushu University, Japan

### Session Introduction

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>13:45-14:15</td>
<td>Notch-mediated conversion of activated T cells into stem cell memory-like T cells for adoptive immunotherapy</td>
<td>Akihiko Yoshimura</td>
<td>Keio University School of Medicine, Japan</td>
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<tr>
<td>14:15-14:45</td>
<td>Identification of novel mesenchymal stromal cells that have the potential to support hematopoietic stem cell activity</td>
<td>Fumio Arai</td>
<td>Kyushu University, Japan</td>
</tr>
<tr>
<td>14:45-15:15</td>
<td>Identification of novel mesenchymal stromal cells that have the potential to support hematopoietic stem cell activity</td>
<td>Durba Pal</td>
<td>Indian Institute of Technology Ropar, India</td>
</tr>
<tr>
<td>15:15-15:45</td>
<td>Comparative study between two ex vivo cell expansion models of CD34+ cells from cryopreserved umbilical cord blood co-cultured with encapsulated mesenchymal stem cells</td>
<td>Avila-Portillo LuzM</td>
<td>CryoHoldco, Colombia</td>
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</table>

### Poster Presentation & Networking & Refreshments Break 15:45-16:30 @ Meeting Hall

**Poster Judges:** Pedro G Morouço, Polytechnic Institute of Leiria, Portugal  
**Domingo Guerra**, Dominican Republic

<table>
<thead>
<tr>
<th>Term Number</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>TERM1711</td>
<td>The effect of MSCs on vascularization and function of liver carcinoma cells</td>
<td>Alaa. T. alshareeda</td>
<td>King Abdullah International Medical Research Center, KSA</td>
</tr>
<tr>
<td>TERM1712</td>
<td>Comparison of explant culture and enzymatic digestion methods for human skin equivalents development</td>
<td>Catalina Gaviria A</td>
<td>University of Antioquia, Colombia</td>
</tr>
<tr>
<td>TERM1713</td>
<td>The effect of strontium doped β-TCP on bioactivity of collagen scaffold for bone tissue engineering</td>
<td>Hamid Goodarzi</td>
<td>Tarbiat Modares University, Iran</td>
</tr>
<tr>
<td>TERM1714</td>
<td>Regenerative potential of adipose tissue derived mesenchymal stromal cells in canine cutaneous wounds: A clinical trial report</td>
<td>Concepción Tejero</td>
<td>Universidad Complutense de Madrid, Spain</td>
</tr>
<tr>
<td>TERM1715</td>
<td>Nanofibers based of titanium nanotubes as scaffolds for maintenance and differentiation of electrostimulated neural PC12 cells</td>
<td>Y Olguín, CIMIS</td>
<td>Universidad Andrés Bello, Chile</td>
</tr>
<tr>
<td>TERM1716</td>
<td>Nervous tissue restoration following traumatic brain injury by coral skeleton based implants</td>
<td>Weiss Orly Eva</td>
<td>Ariel University, Israel</td>
</tr>
<tr>
<td>TERM1717</td>
<td>De-cellularized and re-cellularized hearts as a next generation test system in drug discovery</td>
<td>Sepideh Hagvall</td>
<td>Cell Biology Translational Sciences, Sweden</td>
</tr>
<tr>
<td>TERM1718</td>
<td>The core of self-assembling peptide nanofibers will influence neurogenesis potential of its attached biological motif</td>
<td>Shima Tavakol</td>
<td>Iran University of Medical sciences, Iran</td>
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<tr>
<td>TERM1719</td>
<td>Human inflamed periradicular tissues as a source of proangiogenic growth factors essential in repair and bone regeneration processes</td>
<td>Aleksandra Palatyńska-Ulatowska</td>
<td>Medical University of Lodz, Poland</td>
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<tr>
<td>TERM1720</td>
<td>Characterization of Alpaca (Vicugna pacos) adipose derived mesenchymal stem cell population</td>
<td>Nathaly Enciso Benavides</td>
<td>Universidad Complutense de Madrid, Spain</td>
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<tr>
<td>TERM1721</td>
<td>Immobilization of proteolytic enzymes onto silica nanofibers</td>
<td>Danilová Iveta</td>
<td>Technical University of Liberec, Czech Republic</td>
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</tbody>
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Day 3  October 04, 2017

Sessions: Regenerative Medicine | Bone Tissue Engineering | Tissue Repair and Regeneration | Cellular Therapies | Scaffolds in Regenerative Medicine | Models of Regeneration

Session Chair: Ing-Ming Chiu, National Health Research Institutes, Taiwan
Session Co-Chair: Alaa T alshareeda, King Abdullah International Medical Research Center, KSA

**Session Introduction**

10:00-10:30 Title: Restoration of the corneal epithelium using a novel Bioink™
Hannah Frazer, University of Sydney, Australia

Coffee Break 10:30-10:45 @ Meeting Hall

10:45-11:15 Title: Regenerative implantable medical devices: An overview
Hongman Wang, Peking University Health Science Center, China

11:15-11:45 Title: Elabela, a novel hormone, involves in angiogenesis and cardiogenesis in vitro
Zhi Wang, Nanjing Chest Hospital, China

11:45-12:15 Title: Optimization of embryonic kidney organotypic renal organoid culture to study nepron development from individual cells to functional unit
Ilya Skovorodkin, University of Oulu, Finland

12:15-12:45 Title: Effect of pancreatic extract and signaling methods in direction of embryonic stem cells into β cells
Elham Hoveizi, University of Ahvaz, Iran

Lunch Break 12:45-13:30 @ Mediteraneo

13:30-14:00 Title: Stem cell-based approach in nephropathy management: Pre-clinical study
Hanaa H Ahmed, National Research Centre, Egypt

14:00-14:30 Title: Lizards as model for organ regeneration in amniotes: Results and perspectives
Lorenzo Alibardi, Comparative Histolab, Padova, Italy

14:30-15:00 Title: Diabetes and regenerative medicine, a new strategy on rearrangement of amino acids consequences in insulin formation
Emad Fawzy Eskander, National Research Center, Egypt

15:00-15:30 Title: Limbo™ platform, an innovative methodological approach towards cryopreservation of cell therapy products
Roberto Hernan, Cellulis Ltd., UK

15:30-16:00 Title: In vivo repair of bone defect with PGLA/HA/CS scaffold and MSCs on rats
Seyedeh Niloufar Rafiee Alavi, Iran University of Medical Sciences, Iran

Networking and Refreshments Break 16:00-16:15 @ Meeting Hall

Panel Discussion

Awards & Closing Ceremony

Bookmark your dates

11th International Conference on

**TISSUE ENGINEERING & REGENERATIVE MEDICINE**

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