

SCIENTIFIC PROGRAM

Joint Event

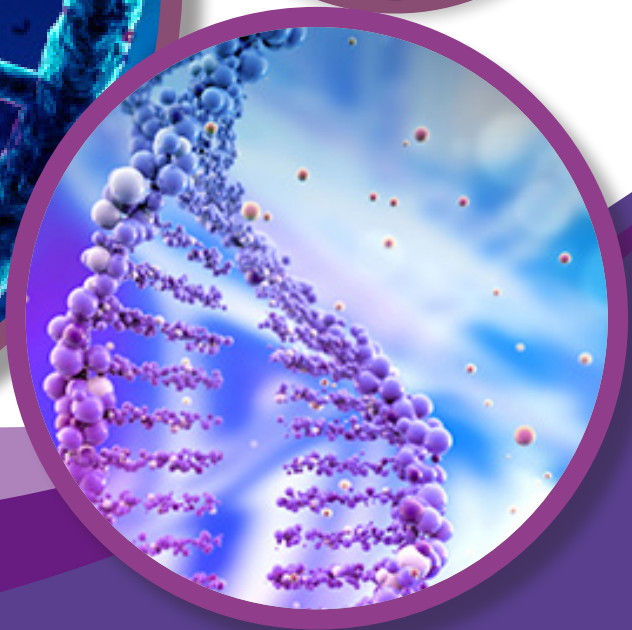
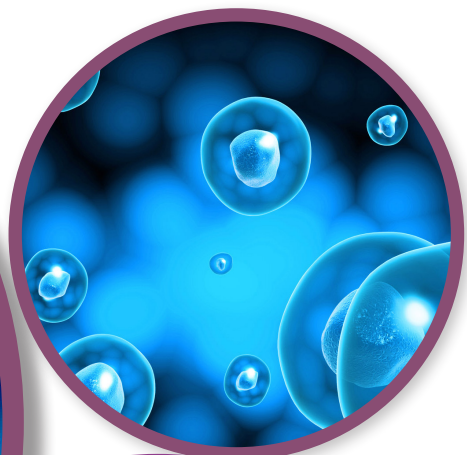
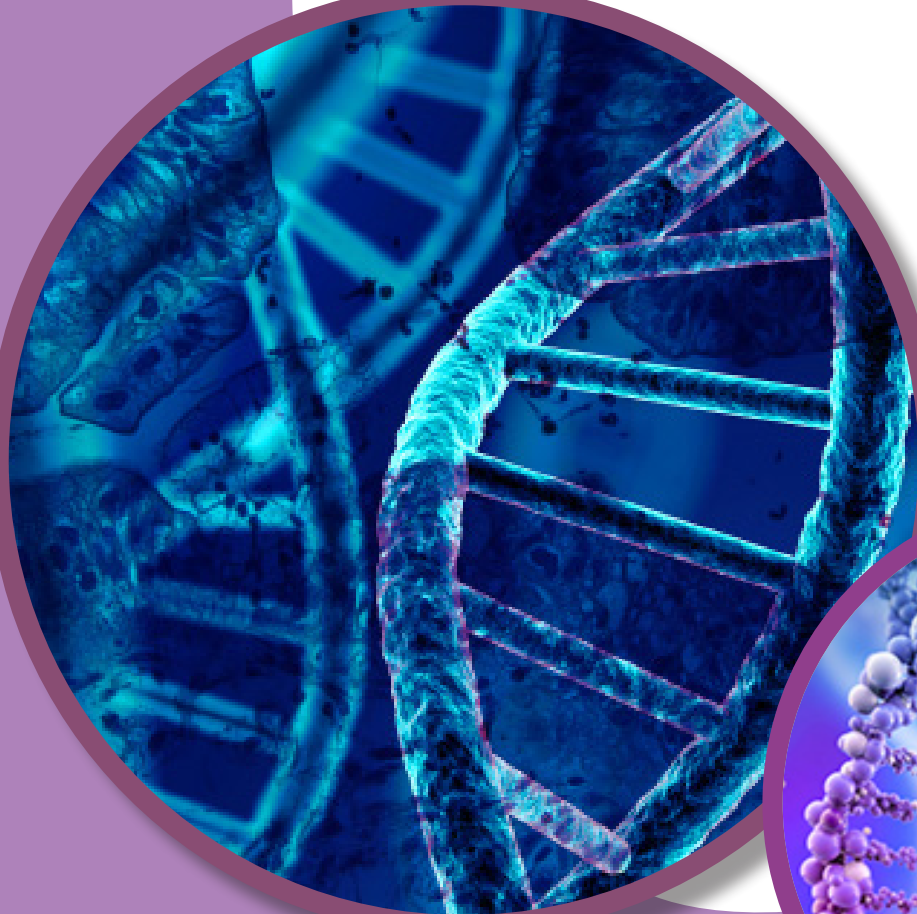
12th Annual Conference on

STEM CELL & REGENERATIVE MEDICINE

&

4th Annual Conference on **BIOMATERIALS**

June 04-06, 2018 | Prague | Czech Republic



Conference Hall: Eden

conference**series.com** 09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:40 **Title: Four-dimensional bio printing: Stimuli-responsive mechanisms for regenerative medicine**

Pedro Moroco, Polytechnic Institute of Leiria, Portugal

10:40-11:20 **Title: Stem cell-based gene therapy for recombinase deficient-SCID**

Frank J T Staal, Leiden University Medical Center, Netherlands

Group Photo

Networking & Refreshment Break 11:20-11:40

11:40-12:20 **Title: A review of evidence-based techniques for improving adipose tissue harvesting for grafting or as a source of regenerative cells**

Todd K Malan, Brigham Young University, USA

12:20-13:00 **Title: 3D printing and characterization of scaffolds for stem cells**

Annett Dorner Reisel, Schmalkalden University of Applied Sciences, Germany

13:00-13:40 **Title: The role of bone marrow morphogenic signals in sustaining chronic myeloid leukemia**

Helen Wheadon, University of Glasgow, UK

Panel Discussion

Lunch Break 13:40-14:20

Sessions: Adult Stem Cells | Bio Materials and Tissue Engineering | Stem Cell Niche | Stem Cell Biotechnology

Session Chair: Todd K Malan, Brigham Young University, USA

Session Co-Chair: Desiree Cox, Desiree T Cox & Associates, USA

14:20-14:45 **Title: Stem cell based medicinal products from a regulatory view**
Ivana Haunerová, State Institute for Drug Control, Czech Republic

14:45-15:10 **Title: Assessment of analgesic effect from drug-loaded cements using CatWalk gait analysis**

P Janvier, Université de Nantes, France

15:10-15:35 **Title: Protein interaction with AgNPs-based plasma deposited nanocomposites: An excellent strategy to reveal the protein-adsorption problem**

K Makasheva, Université de Toulouse, France

15:35-16:00 **Title: Plasma nitriding and femtosecond LIPSS texturing for durable antibacterial surfaces**

Behnam Dashtbozorg, University of Birmingham, UK

Networking & Refreshment Break 16:00-16:20

16:20-16:45 **Title: Application of chemically modified chitosan nano activated carbon beads with 3-aminopropyl triethoxysilane (APTES) and hexadecylamine (HDA) surfactants for acetaminophen removal from aqueous solution**

Parisa Amouzgar, Monash University, Malaysia

16:45-17:10 **Title: Enhanced corrosion resistance of biodegradable magnesium using coenzyme**

Dongkyu Koo, Korea Institute of Science and Technology, Korea

17:10-17:35 **Title: Stem cells in skin disease and skin development**

Aseel Alsgaireen, Hashemite University, Jordan

Panel Discussion 17:35-18:00

Keynote Forum

- 09:10-09:50 **Title: How physical and chemical properties of the biomaterial surfaces govern the cell behavior– A review**
Lucie Bacakova, Czech Academy of Sciences, Czech Republic
- 09:50-10:30 **Title: Decellularized human placenta for tissue and organ regeneration**
Robert J Hariri, Celularity Inc., USA

Networking & Refreshment Break 10:30-10:50

- 10:50-11:15 **Title: New regulatory paradigms for cellular therapy and regenerative medicine**
Desiree Cox, Desiree T Cox & Associates, USA
- 11:15-11:40 **Title: Therapeutic potential for somatic neural stem cell (NSC) grafts in the restoration of midbrain dopaminergic neuronal function in the aged Parkinsonian brain**
Bianca Marchetti, University of Catania, Italy
- 11:40-12:05 **Title: BioScaff - Structural and mechanical properties of electrospun scaffolds dedicated to soft tissue engineering**
Frédéric Bossard, University Grenoble Alpes, France

Workshop

- 12:05-12:45 **Title: A novel point of care, automated, and closed system for processing stromal vascular fraction either with or without collagenase**
Todd K Malan, Brigham Young University, USA

Lunch Break 12:45-13:25

Sessions: Bio Materials and Tissue Engineering | Stem Cell Niche | Stem Cell Biotechnology

Session Chair: Robert J Hariri, Celularity Inc, USA

Session Co-Chair: Bianca Marchetti, University of Catania, Italy

- 13:25-13:50 **Title: Fabrication of Mg-4Y-2Nd-0.4Zr-0.25La microtubes for using as biodegradable stent in biomedical science**
H Torabzadeh Kashi, University of Tehran, Iran
- 13:50-14:15 **Title: Adult stem cells in bone and vascular tissue engineering – A review**
Lucie Bacakova, Czech Academy of Sciences, Czech Republic
- 14:15-14:40 **Title: Ultrasonic transformation of tannic acid into biofunctional ellagic acid micro/nanocrystals with distinct morphologies**
Sukhvir Kaur Bhangu, University of Melbourne, Australia
- 14:40-15:05 **Title: The progress of stem cells in Jordan**
Hadil Alsghaireen, University of Jordan, Jordan
- 15:05-15:30 **Title: Cardiomyocytes derived from human cardiopoietic amniotic fluids**
Barbara Ghinassi, University of Chieti-Pescara, Italy
- 15:30- 15:55 **Title: Autologous stem cell based treatment of spinal cord injury**
Georg S Kobinia, Institute for Regenerative Medicine, Austria

Refreshment Break and Poster Presentations 15:55-16:35

- SCBM 01 **Title: Platelet glycoprotein IIb/IIIa polymorphism and its role in recurrent early pregnancy loss**
Sameh K Sadek, University of Alexandria, Egypt
- SCBM 02 **Title: Injectable thermosensitive hydrogel based on the physical mixing of Chitosan/Pluronic F127 as intraarticular drug delivery system**
Jomarien García, Leiden University Medical Center, Netherlands
- SCBM 03 **Title: Immediate blood platelet response modulated by surface chemistry alteration and nano-topography in titanium implant surface**
Jin Woo Park, Kyungpook National University, Korea
- SCBM 04 **Title: High yield isolation of exosomes from cultivated postpartum human placenta**
Qian Ye, Celularity Inc, USA
- SCBM 05 **Title: Graphene oxide incorporated silicate doped nano-hydroxyapatite novel composite for bone tissue engineering**
Ali Deniz Dalgic, Middle East Technical University, Turkey
- SCBM 06 **Title: Pullulan hydrogel-immobilized bacterial cellulose membranes for wound dressing**
Deniz Atila, Middle East Technical University, Turkey
- SCBM 07 **Title: A novel porous multilayer scaffold for cartilage tissue engineering**
Yaima Campos Mora, Havana University, Cuba
- SCBM 08 **Title: Time course morphologic and gene expression characterization of direct reprogrammed human fibroblasts along nerve - like lineages *in vitro***
Chelsea Agbay, Saint Peter's University, USA
- SCBM 09 **Title: Ti-Si biocompatible materials for orthopedic applications**
Šulíková Michaela, J Safarik University in Kosice, Slovak Republic
- SCBM 10 **Title: Preparation and *in vitro* evaluation of chitosan/apatite composite for bone regeneration applications**
Miriela Tomas, Laboratories AICA, Cuba

Award Ceremony

Day 3 June 06, 2018 (Networking & Lunch)