Tentative Program

9th Annual Conference on

Stem Cell and Regenerative Medicine

Sep 25-26, 2017 Berlin, Germany

***For available speaker slots***

stemcellcongress@conferenceseries.com

300+ Participation

28+ Interactive Sessions

15+ Keynote Lectures

75+ Plenary Lectures

5+ Workshops

Conference Secretariat

2360 Corporate Circle, Suite 400 Henderson, NV 89074-7722, USA
Email: stemcellcongress@conferenceseries.com

http://stemcell-regenerativemedicine.conferenceseries.com/
# Tentative Program

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<tr>
<th>Title</th>
<th>Speaker</th>
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<td>Maximising Integrated Quality (IQ) in Advanced Therapy Medicinal Products (ATMPs) and regenerative medicines</td>
<td>Jasbir Rattu, CeutiQus Ltd, UK</td>
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<tr>
<td>Therapies targeting cancer stem cells: Current trends and future challenges</td>
<td>Valentina Boni, START Madrid Hospital, Spain</td>
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<tr>
<td>Generation and comprehensive characterization of induced pluripotent stem cells generated with CTS Sendai viral reprogramming kit</td>
<td>Uma Lakshmipathy, Thermo Fisher Scientific, USA</td>
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<td>First Wharton's Jelly-Derived Mesenchymal Stem Cell Transplantation in a Patient with Hypoxic-Ischemic Encephalopathy</td>
<td>Serdar Kabatas, GOP-Taksim Training and Research Hospital, Turkey</td>
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<td>Characterization of extracellular matrix-based gels as a tissue engineering platform for regenerative medicine</td>
<td>Christopher A. Bradley, Lattice Biologics, Inc., USA</td>
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<td>Stem Cells; a ray of hope for treating infertility?</td>
<td>Vassilis Katsares, Embryolab SA, Greece</td>
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<td>Lights on - Raman approach in stem cell research and medicine</td>
<td>Karin Schütze, CellTool GmbH, Germany</td>
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<td>Extraction of Blood Mesenchymal Stem Cells With The Low Speed Centrifugation Concept. Applications in Regenerative Medicine</td>
<td>Joseph CHOUKROUN, Pain Clinic, France</td>
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<td>Effects of anti-inflammatory drugs on properties of adipose-derived mesenchymal stem sells</td>
<td>Jekaterina Kazantseva, Cellin Technologies, Estonia</td>
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<td>Stem Cell-Based Strategies for Whole Kidney Regeneration</td>
<td>Miguel Garber, Clinica Medica Quirurgica Quantum, Spain</td>
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<td>Bone Marrow Stem Cell Therapy for Shoulder Rotator Cuff tear: A Case Report</td>
<td>Yibing Li, Midwest Joint Pain Institute, USA</td>
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<tr>
<td>Validation of strategies enhancing homology-directed repair pathway</td>
<td>Sungtae Kim, PhD, GlaxoSmithKline, USA</td>
<td>USA</td>
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<tr>
<td>Knee Stem Cells and Scaffolds: A Regenerative Medicine and Tissue Engineering Application</td>
<td>Dennis M. Lox, Regenerative Medicine practice, USA</td>
<td>USA</td>
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<td>Translational Horizons</td>
<td>Robert Deans, BlueRock Therapeutics, USA</td>
<td>USA</td>
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<td>Engineered Erythrocytes as an Anti-Tumor Therapy through Induction of Apoptosis or Immune-Checkpoint Inhibition</td>
<td>Robert J Deans, Rubius Therapeutics, USA</td>
<td>USA</td>
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<td>Heart Failure Improvement By Minimally Invasive Delivery Of Autologous Bone Marrow Mononuclear Cells (ABMMC) Transplantation. Long Term Follow-up</td>
<td>Jorge Tuma Mubarak, Institute of Autotransfusion of Cell Therapy INACEL, Peru</td>
<td>Peru</td>
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<td>Intrathecal transplantation of human embryonic stem cells derived astrocytes attenuates clinical symptoms in SOD1^{G93A} ALS rodent model</td>
<td>Michal Izrael, Kadimastem Ltd, Israel</td>
<td>Israel</td>
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<td>Comprehensive regenerative therapies with human amniotic allograft derived cells, platelet rich plasma along with a series of prolotherapy to treat joint pain and all degrees of osteoarthritis: preliminary findings from a clinical study of 128 patients</td>
<td>Yibing Li, Center for Pain Management &amp; Rehab, Cambodia</td>
<td>Cambodia</td>
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<td>Comprehensive regenerative therapies with bone marrow stem cell, PRP and dextrose prolotherapy to treat severe degree of osteoarthritis: A Case Report</td>
<td>Yibing Li, Center for Pain Management &amp; Rehab, Cambodia</td>
<td>Cambodia</td>
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<td>Regenerative Medicine and Cell Based Therapy: The Future of Organ Transplant?</td>
<td>Pradeep Mahajan, Dr. Mahajan's Hospital &amp; ITC, India</td>
<td>India</td>
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<td>Frontier of hope and despair- Immunobiology of Allogenic Hematopoietic Stem Cell Transplant</td>
<td>Ganapathi Bhat Mugulthimoole, Jaslok Hospital and Research Centre, India</td>
<td>India</td>
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<td>Adipogenic differentiation of MSC alters their immunomodulatory properties in a tissue-specific manner</td>
<td>Helen McGettrick, University of Birmingham, Birmingham, UK</td>
<td>UK</td>
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<td>The RNA binding protein Quaking is a Key Regulator of Endothelial Cell Differentiation, Neovascularization and Angiogenesis through direct binding of the 3'UTR of STAT3</td>
<td>Andriana Margariti, Queen's University, UK</td>
<td>UK</td>
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<td>MicroRNA-4739 regulates osteogenic and adipocytic differentiation of immortalized human bone marrow stromal cells via targeting LRP3</td>
<td>Mona A. Elsafadi, University of Southern Denmark, Denmark</td>
<td>University of Southern Denmark, Denmark</td>
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<td>Developing clinical guidelines to treat neurological and neurosurgical disorders with stem cells</td>
<td>Francisco Ruiz-Navarro, Austrian Society for Regenerative Medicine, Austria</td>
<td>Austrian Society for Regenerative Medicine, Austria</td>
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<td>Transcellular spreading of disease-linked proteins in neurodegenerative disorders</td>
<td>Eline Pecho-Vrieseling, University of Basel, Switzerland</td>
<td>University of Basel, Switzerland</td>
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<td>Increased Expression of CD24 in Glioblastoma Cell Lines After Treatment with Temozolomide and Bortezomib</td>
<td>Dilara Akcora-Yildiz, Mehmet Akif Ersoy University, Turkey</td>
<td>Mehmet Akif Ersoy University, Turkey</td>
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<td>Expression Profile of Cancer Stem Cell Markers in Glioblastoma Derived CD133 + and CD133- Cells</td>
<td>Asuman Sunguroglu, Ankara University, Turkey</td>
<td>Ankara University, Turkey</td>
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<td>Adipose derived stem cells in treatment ischemic heart disease</td>
<td>Janusz Konstanty-Kalandyk, Jagiellonian University, Poland</td>
<td>Jagiellonian University, Poland</td>
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<td>Phenotypic and functional analysis of human adipose-derived stem cells</td>
<td>Michał Pikuła, Medical University of Gdansk, Poland</td>
<td>Medical University of Gdansk, Poland</td>
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<td>Effects of Umbilical Cord Derived Mesenchymal Stem Cells (MSCs) On Duchenne Muscular Dystrophy: Phase I/II Clinical study</td>
<td>Ovali E, Acıbadem University, Turkey</td>
<td>Acıbadem University, Turkey</td>
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<td>Meningeal neural progenitors generate new neurons in postnatal mouse brain</td>
<td>Ilaria Decimo, University of Verona, Italy</td>
<td>University of Verona, Italy</td>
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<td>DNMT and p53 inhibitors are potential cardiomyogenic differentiation inducers of human amniotic fluid derived mesenchymal stem cells</td>
<td>Monika Glemžaitė, Vilnius University, Lithuania</td>
<td>Vilnius University, Lithuania</td>
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<td>The Heartpatch, an alginate-based scaffold system for cardiac tissue engineering</td>
<td>Luca Gentile, Fraunhofer Institute for Biomedical Engineering, Germany</td>
<td>Fraunhofer Institute for Biomedical Engineering, Germany</td>
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<td>Bone Marrow Mesenchymal Stem Cells Differentially Affect the Aggressiveness of Cancer Cells Subtypes</td>
<td>Tamara Lah Turnšek, National Institute of Biology, Slovenia</td>
<td>National Institute of Biology, Slovenia</td>
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<td>Potentiality of Spermatogonial Stem Cells in Regenerative Medicine</td>
<td>Sharmila Fagoonee, University of Turin, Italy</td>
<td>University of Turin, Italy</td>
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<td>Human hematopoietic stem cell differentiation follows a continuous Waddington-like landscape</td>
<td>Simon Haas, Heidelberg Institute for Stem Cell Technology and Experimental Medicine, Germany</td>
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<td>Smart Implant outfitted with active therapeutics and stem cells for Regenerative NanoMedicine</td>
<td>N. Benkirane-Jessel, French National Institute of Health and Medical Research, France</td>
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<td>Homeopathy cures hypo- and hyperfunction of a pathological pathway according to the physical resonance principle</td>
<td>Lenger Karin, Institute for Scientific Homeopathy, Germany</td>
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<td>Intragenic DNA methylation prevents spurious transcription initiation</td>
<td>Francesco Neri, Leibniz Institute on Aging – Fritz Lipmann Institute, Germany</td>
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<td>Epigenetic Mechanisms downstream of Wnt in Carcinomas and Cancer Stem Cells</td>
<td>WALTER Birchmeier, Helmholtz Society, Germany</td>
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<td>Long term benefit of autologous bone marrow transplantation by retrograde technique in terminal heart failure</td>
<td>R. Fernández, Centro Cardiovascular San Nicolás, Argentina</td>
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<td>Investigations of the osteogenic differentiation potential of regular—as well as osteogenically dysfunctional—human bone marrow mesenchymal stem cells influenced by pro- and antioxidative approaches</td>
<td>Dana Strangmann, Heinrich-Heine-Universitaet, Germany</td>
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<td>RGTA based Matrix therapy is a new branch of regenerative medicine that can combine with stem cells therapy</td>
<td>Barritault Denis, University Paris-Est Créteil, France</td>
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<td>Nanoencapsulation of Stem Cells and Cell Targeting</td>
<td>Roberto Ebensperger, Pontificia Universidad Catolica de Chile, Chile</td>
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<td>Vascular Tissue Regeneration from Implantation of 3D Bio-printed Stem Cell Grafts in Rhesus Monkeys</td>
<td>Y. James Kang, University of Louisville School of Medicine, USA</td>
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<td>In vivo labelling of human mesenchymal stromal cells with uncoated superparamagnetic iron oxide nanoparticles</td>
<td>Natella Enukashvily, Institute of Cytology RAS, Russia</td>
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<td>CCR5 Governs Stem cell characteristics, therapy resistance and metastasis of breast cancer</td>
<td>Richard George Pestell, Pennsylvania Cancer and Regenerative Medicine Research Center, USA</td>
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<td>Stress-responsive gene expression alterations in human embryonic</td>
<td>Mykyta V. Sokolov, National Institutes of Health, USA</td>
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<td>stem cells after ultra low dose diagnostic CT scan procedures</td>
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<td>Transformation of mesenchymal stem cells (MSCs) represents an</td>
<td>Jiamin Teng, Louisiana State University Health Sciences Center, USA</td>
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<td>important process in the repair of the damaged mesangium</td>
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<td>Cell transplantation as tool for fetuses growth regulation</td>
<td>Viacheslav M Mikhailov, Institute of Cytology Russian Academy of Sciences, Russia</td>
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<td>Human iPSC-based disease modeling &amp; drug screening for</td>
<td>Xianmin Zeng, Buck Institute, USA</td>
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<td>neurodegenerative disorders</td>
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<td>Molecular control of epithelila skin stem cells in and out of the</td>
<td>Tudorita Tumbar, Cornell University, USA</td>
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<td>Isolation and expansion of selected potent placental cells for</td>
<td>Raphael Gorodetsky, Hadassah-Hebrew University Medical Center, Israel</td>
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<td>indirect mitigation of acute radiation syndrome, induction of bone</td>
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<td>marrow regeneration and protection of tissues in various inflammatory</td>
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<td>Functionalized carbon nanotubes as promising scaffold component for</td>
<td>Kinsuk Das, Indian Veterinary Research Institute, India</td>
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<td>proliferation of canine mesenchymal stem cells: an alternative</td>
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<td>cellular model in regenerative medicine</td>
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<td>Nanotubes impregnated human olfactory bulb neural stem cells promote</td>
<td>Hany El-Sayed Marei, Qatar University, Qatar</td>
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<td>neuronal differentiation in Trimethyltin-induced neurodegeneration</td>
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<td>rat model</td>
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<td>Xenologous acellular scaffold-free biomaterial for cartilage defect</td>
<td>Nie Xiaolei, Nanyang Technological University, Singapore</td>
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<td>repair: freeze-dry study</td>
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<td>Tracing and characterizing the development of transplanted female</td>
<td>Ji Wu, Shanghai Jiao Tong University, China</td>
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<td>germline stem cells in vivo</td>
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<td>Mesenchyme Stem Cells in the Treatment for Caesarean Section Skin</td>
<td>Zhengping Liu, Southern Medical University Affiliated Maternal &amp; Child Health Hospital of</td>
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<td>Scars</td>
<td>Foshan, China</td>
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<td>Molecular docking study of selected natural compounds for cancer</td>
<td>Karthika M, University of Colombo, Srilanka</td>
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<td>stem cells targeted anti-cancer activity</td>
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<td>A Survey of Osteopontin and Osteocalcin Genes Expression in Osteoblasts Derived from Wharton's Jelly Mesenchymal Stem Cells by Licorice (Glycyrrhiza glabra L.) Root Extract</td>
<td>Elmira Mikaeili Agah, Islamic Azad University, Iran</td>
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<td>Bedsore Revitalization by Laser Therapy (Low LwvwL Laser: LED-Ga-Al-As, 660 nm)</td>
<td>Nazrul Islam, Shaheed Suhrawardy Medical College And Hospital, Bangladesh</td>
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<td>A preliminary pharmacological study on hypoglycemic and analgesic effects of Momordica charantia L. (fruits, boiled and non-boiled) methanol extract in Swiss Albino mice</td>
<td>Md Zahid Hasan Khan, University Of Development Alternatives, Bangladesh</td>
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<td>Transcriptional regulation of Hematopoietic Stem Cells and Hematopoietic Malignancies</td>
<td>Roi Gazit, Ben-Gurion University of the Negev, Israel</td>
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<td>Effects of Low Level Laser (Diode- 830nm) Therapy On ‘Human Bone Regeneration’</td>
<td>Dr. Mohammad Nazrul Islam, Shaheed Suhrawardy Medical College And Hospital, Bangladesh</td>
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<td>In vivo repair of bone defect with PGLA/HA/CS scaffold and MSCs on rats</td>
<td>Seyedeh Niloufar Rafiee Alavi, Iran University Of Medical sciences, Iran</td>
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<td>Disease Modeling of Systemic Sclerosis Disease through iPS induction and differentiation</td>
<td>Zahra Mazidi, Academic Center for Education, Culture and Research, Iran</td>
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<td>Bioengineered urethra</td>
<td>Rana MA Zaki, Egypt</td>
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300+ Participation

28+ Interactive Sessions 15+ Keynote Lectures 75+ Plenary Lectures 5+ Workshops

http://stemcell-regenerativemedicine.conferenceseries.com/
Glimpses of Stem Cell Congress Conferences
Tourism Attractions in Berlin, Germany
Scientific Program

7th Annual Conference on

Stem Cell and Regenerative Medicine

August 04-05, 2016   Manchester, UK
Keynote Forum

Introduction
Title: The importance of extra cellular matrix organization and the use of RGTA technology in regenerative medicine
Barritault Denis, OTR3, France
Title: Rejuvenation therapy for ischemic heart disease
Y James Kang, Sichuan University, China
Title: Significant physical function improvements of 3 serious injured patients after neural stem cell therapy
Taihua Wang, Interventional Hospital of Shandong Red Cross Society and Cell Biotechnology Co. Ltd, China

Group Photo

Coffee Break: @ Outside Room

Sessions:
Stem Cell | Stem Cell Therapy | Stem Cell Technologies

Session Chair: Barritault Denis, OTR3, France
Session Co-Chair: Raphael Gorodetsky, Hadassah-Hebrew University Medical Center, Israel

Title: Jellyfish collagen biomaterials - Next generation collagen for cell culture and med-tech products
Andrew Mearns Spragg, Jellagen Pty Ltd, UK
Title: Regulation of hippocampal neural stem cell fate
Verdon Taylor, University of Basel, Switzerland
Title: Stem cell therapy for arthritis and joint injuries
Brian M Mehling, Blue Horizon International, LLC, USA
Title: Quiescent pluripotent stem cells reside within adult murine peripheral nerves; When stimulated they proliferate and express Sox2, Klf4, c-Myc, and Od4
Michael H Heggeness, University of Kansas School of Medicine-Wichita, USA
Title: Ensuring successful technology transfers for clinical manufacture
Janet Downie, Roslin Cell Therapies, UK
Title: Development of pluripotent stem cell based therapies for neurologic and oncologic disorders
Jane Lebkowski, Asterias Biotherapeutics, USA

Lunch Break: @ Source Grill

Title: Stem cell reprogramming for ENT regenerative medicine
Serban San-Marina, Mayo Clinic, USA
Title: Does the addition of EPAT to SVF improve the outcomes in severe degenerative joint conditions?
Hazem Barmada, Mississippi Stem cell Treatment Center, USA
Title: Glycomics approaches to the studies of stem cells and development of glycan-targeted cancer immunotherapy
John Yu, Chang Gung Memorial Hospital, Taiwan
Title: Deriving consecutive building blocks of human cortical development from pluripotent stem cells: Fundamentals and implications
Yechiel Elkabetz, Tel Aviv University, Israel
Title: Sports medicine: Stem cells in the OA and AVN patient
Dennis M Lox, Sports and Regenerative Medicine Centers, USA
Title: Aqp2+ progenitors are the principal source of connecting tubule
Wenzheng Zhang, Albany Medical Center, USA
Title: Comparison of treatment proficiency of intravenous and intrasplenic injection of the bone marrow-derived mesenchymal stem cell in CCL4-induced white albino rat liver fibrosis
Naglaa Kamal Idriss, Assiut University, Egypt
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<tr>
<td>Surgical resection of residual breast cancer: The stem cells that neoadjuvant chemotherapy leave behind</td>
<td>SuEllen Pommier</td>
<td>Oregon Health &amp; Science University</td>
<td>USA</td>
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<td>Stem cell approaches to model cancer</td>
<td>Huanhuan Joyce Chen</td>
<td>Cornell University</td>
<td>USA</td>
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<td>Functional germ cells from mesenchymal stem cells: A dream or reality?</td>
<td>Mohammad Ghasemzadeh-Hasankolaei</td>
<td>Babol University of Medical Sciences</td>
<td>Iran</td>
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<td>The role of microRNA-138 in extracorporeal shockwave stimulated osteogenesis of mesenchymal stem cells</td>
<td>Jun Hu</td>
<td>Shantou University Medical College</td>
<td>China</td>
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<td>Regeneration of infarcted myocardium by genetically modified stem cells</td>
<td>Nilanjana Maulik</td>
<td>University of Connecticut Health Center</td>
<td>USA</td>
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<td>Arrhythmias in stem cell transplantation</td>
<td>Sasikanth Adigopula</td>
<td>Loma Linda University</td>
<td>USA</td>
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<td>Analysis of intellectual properties on animal derived regenerative, implantable medical devices</td>
<td>Hongman Wang</td>
<td>Peking University Health Science Center</td>
<td>China</td>
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<td>Cellular modelling of trisomy 21 as an approach to understand Alzheimer's disease</td>
<td>Dean Nizetic</td>
<td>Nanyang Technological University</td>
<td>Singapore</td>
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<td>Do the valve endocardial progenitors originate from a single zebrafish blastula HPRG1+ cell?</td>
<td>Xishuwan Wu</td>
<td>Hunan Normal University</td>
<td>China</td>
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<td>Role of autologous stem cells in infertility</td>
<td>Prabhu Mishra</td>
<td>Stemgenn Therapeutics and secretary general-stem cell society</td>
<td>India</td>
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<td>Myelo-enhancement by Astragalus membranaceus in male albino rats with chemotherapy myelo-suppression: Histological and immunohistochemical study</td>
<td>Noha Mohammed Afifi Amin</td>
<td>Cairo University</td>
<td>Egypt</td>
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<td>Lysophosphatidic acid signaling pathway influences on adipose tissue-derived mesenchymal stem cells for using in EAE</td>
<td>Guillermo Estivill-Torrús</td>
<td>University Regional Hospital of Malaga</td>
<td>Spain</td>
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Young Researcher Forum

Title: Simple and versatile synthetic polydopamine-based surface supports reprogramming of human somatic cells and long-term self-renewal of human pluripotent stem cells under defined conditions
Ping Zhou, Peking University, China

Title: A systematic review and meta-analysis of clinical trials of mesenchymal stem cell therapy for cartilage repair
Aditya Borakati, University of Hull, UK

Title: Improved adhesion of adult derived human liver stem cells (ADHLSecs) to endothelial cells by culture on thermosensitive polymer
Pierre-Edouard Dollet, Universite Catholique de Louvain, Belgium

Poster Presentations @

SCC-01
Title: Adhesion ability of human mesenchymal stem cells over expressing VLA-4 molecules via mRNA-ITGA-4 transfection
Anna Andrzejewska, Mossakowski Medical Research Centre, Poland

SCC-02
Title: Human adipose stem cells cultured with novel wood derived nanofibrillar cellulose
Raili Koivuniemi, University of Helsinki, Finland

SCC-03
Title: The treatments with a neurogenesis-promoting nutraceutical elicit cognitive improvement in an mouse model of Alzheimer's disease
Yung-Feng Liao, Academia Sinica, Taiwan

SCC-04
Title: Role of microRNA in mesenchymal stem cell fate decisions
Bahareh Ghasemi, King’s College London, UK

SCC-05
Title: Physiological and histological effects after implanting pluripotent stem cells in a murine model with anal canal injury
Monica Maribel Mata Miranda, Instituto Politécnico Nacional, México

SCC-06
Title: Peptide-conjugated hyaluronic acid surface for the culture of human induced pluripotent stem cells under defined conditions
Shicheng Wei, Peking University, China

SCC-07
Title: FTIR-DPC from PSC-FTIR spectroscopic and molecular analysis of differentiated pancreatic cells from pluripotent stem cells
Gustavo Jesús Vázquez Zapién, Instituto Politécnico Nacional, México

SCC-08
Title: Characterization of mice and canine glial restricted precursor cells as the potential tool for cell-based therapy in experimental models of amyotrophic lateral sclerosis
Malgorzata Majchrzak, Polish Academy of Sciences, Poland

SCC-09
Title: Up-regulation of Cox 2 pathway in interferon-γ treated mesenchymal stem cells suppress interleukin-10 production by activated B cells
Barbora Hermankova, Charles University, Czech Republic

SCC-10
Title: Immunosuppressive effect of mesenchymal stem cells in combination with Cyclosporine A in a model of skin transplantation
Michaela Hajkovaa, Charles University, Czech Republic

SCC-11
Title: Dental pulp stem cell isolation, tissue culture, characterization and cryopreservation from human tooth
Mohamed Gamal El-Beltagy, Mansoura University, Egypt

SCC-12
Title: Relative value of human umbilical blood cord and rat bone marrow mesenchymal stem on streptozotocin induced type-1 diabetes mellitus
Naglaa Kamal Idriss, Assiut University, Egypt

SCC-13
Title: Modulation of early inflammatory response in the damaged eye by intravenously administered interferon-γ-treated mesenchymal stem cells
Eliska Javorkova, Charles University, Czech Republic
Title: Thermally and chemically assisted electrospinning of gelatin aqueous solution: An innovative approach toward biocompatible scaffold

Sadegh Golie, Iran Polymer and Petrochemical Institute, Iran

Panel Discussion

Award Ceremony

9th Annual Conference on

Stem Cell and Regenerative Medicine

September 05-06, 2017   Paris, France

Website: www.stemcell-regenerativemedicine.conferenceseries.com
Scientific Program

5th International Conference on
Tissue Engineering & Regenerative Medicine
September 12-14, 2016   Berlin, Germany
Keynote Forum

Introduction
Title: Hemodynamic activation of vascular cells in cardiac veins induce an equivalent of stimulus triggered acquired pluripotency in human cardiomyocytes
Werner Mohl, Medical University of Vienna, Austria
Title: Extra cellular matrix micro-environment control is a key issue to regenerative medicine and RGTA based matrix therapy a solution
Barritault Denis, OTR3, France
Title: The role of regenerative medicine in Obstetrics and Gynecology
Bertha Chen, Stanford University School of Medicine, USA
Title: Novel scaffolds fabrication methods in regenerative medicine: The cartilage challenge
Pedro Morouço, Polytechnic Institute of Leiria, Portugal

Coffee Break 10:40-10:55 @ Foyer

Tissue Engineering | Tissue Repair & Regeneration

Session Chair: Barritault Denis, OTR3, France
Session Co-Chair: Pedro Morouço, Polytechnic Institute of Leiria, Portugal

Title: PreImplantation factor (PIF): Comprehensive neurorepair regimen from newborn to adult
Eytan R Barnea, BioIncept, LLC, USA
Title: Combination of drug and cell delivery to stimulate spinal cord repair
Anne des Rieux, Université catholique de Louvain, Belgium
Title: Engineering functional blood vessels from human/diabetic iPSC cells
Rekha Samuel, Christian Medical College, India
Title: Mayo spheroid reservoir bioartificial liver: Bench to bedside
Scott L Nyberg, Mayo Clinic School of Medicine, USA
Title: Combination of bone tissue engineering and electrical stimulation approaches, in vitro and in vivo studies
Liudmila Leppik, J.W. Goethe-University, Germany
Title: Stem cells and biomaterials for the treatment of spinal cord injury, stroke and ALS
Eva Sykova, Institute of Experimental Medicine ASCR, Czech Republic
Title: Searching for therapeutic approaches to skeletal muscle repair and cell therapy
Enrique Brandan, Catholic University of Chile, Chile

Lunch Break

Scientific Program
Panel Discussion

Day 2   September 13, 2016
Kiel 1-3

Regenerative Medicine | Models of Regeneration | Cell and Organ Regeneration | Regenerative Medicine Market

Session Chair: Hans-Georg Simon, Northwestern University, USA
Session Co-Chair: Jaroslaw Fabis, Medical University of Lodz, Poland

Title: The addition of EPAT to SVF is perceived to improve the treatment outcomes in severe degenerative joint conditions-a small personal series
Hazem Barmada, Mississippi Stem Cell Treatment Center, USA
Title: Translational challenge in renal regeneration: Establishment of posology
Romalda Maciulaitis, Lithuanian University of Health Sciences, Lithuania
Title: PP2Acα positively regulates mice liver regeneration termination through AKT/GSK3β/Cyclin D1 pathway
Xue Bin, Nanjing University School of Medicine, China
Title: Rotator cuff tear and regenerative medicine - present state of the art and future
Jaroslav Fabis, Medical University of Lodz, Poland
Title: Optogenetic stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice
Shan Ping Yu, Emory University School of Medicine, USA
Title: An ideal solution for wound management led by regenerative medicine product
Sanjeev Shrivastava, Datta Meghe Institute of Medical Sciences, India
Title: Dynamic remodeling of extracellular matrix instructs regenerative cell behavior
Hans-Georg Simon, Northwestern University, USA

Coffee Break

Title: Regenerated liver tissues derived from human tooth treat swine liver failure induced by progressive nonalcoholic fatty liver disease
Ken Yaegaki, Nippon Dental University School of Life Dentistry, Japan
Title: Mapping of the human amniotic membrane: A morpho-functional study to better understand amniotic membrane stem cells regenerative capacity
Roberto Di Pietro, Gabriele d’Annunzio University, Italy
Title: Social collaboration network analysis of English literature on animal-derived regenerative implantable medical devices
Hongyang Yin, Chinese PLA General Hospital, China
Title: REGENERAGING: From miRNA fingerprint of aged progenitors to ex-vivo reprogramming strategies for improved MSC performance and therapeutic potential
Olivia Candini, University of Modena and Reggio Emilia, Italy
Title: Heart regeneration with cardiac progenitor cells and engineered ECM mimicking carriers in large animal models
Zhong Wang, University of Michigan Medical School, USA
Title: Safety and clinical efficacy from a non-profit stem cell registry tracking >5,000 orthopaedic patients
Christopher J Centeno, Centeno Schultz Clinic, USA

Lunch Break

3rd workshop on Stem Cells Applications in Regenerative Medicine, Flow Cytometry and Medical Tourism
Title: Isolation of mesenchymal stem cells for the treatment of lung fibrosis in an animal model
Vasiliki E. Kalodimou, IASO Maternity Hospital, Greece

Title: Female genital and vaginal rejuvenation by infusion of adipose mesenchymal stem cells
Ef Roboti, IASO Maternity & Research Hospital, Athens Greece

Title: Venous neurovascular pathways to neuroinflammation in glaucoma
Nikolaos G Tsamopoulos, Mediterraneo Hospital, Greece

Title: Stem tourism and economic potentials
Isavella Mitrou, University of Birmingham, UK

Title: Hospital research & blue economy
Georgia Tsakona, Expert in Hospital Economics/Research, Greece

Poster Presentations
Title: The importance of umbilical stem cell storage with a comparison between private and public banks, and their uses
Eleni Triantafyllou, National and Kapodistrian University of Athens, Greece

Title: The uses of adipose-derived mesenchymal stem cells
Alexandra Baranowski, Cambridge University, UK

Coffee Break

Biomaterials and Bioengineering
Session Chair: Andrzej Lange, Polish Academy of Sciences, Poland
Session Co-Chair: Hazem Barmada, Mississippi Stem Cell Treatment Center, USA

Title: Re-engineering the sole defects with “STARS” technique
Narendra Saxena, Datta Meghe Institute of Medical Sciences, India

Title: Regenerative potential of some natural products: Implications in health and diseases
Samar Hassab-Allah Kassem, October & University, Egypt

Title: Multi-functional biomimetic surfaces of PLA based biomaterials created by printing of functional PLA-b-PEO colloids
Eliska Mazl Chanova, Institute of Macromolecular Chemistry ASCR, Czech Republic

Title: Functionalized collagen conduit implantation in a paraplegic rat model
Celine Furne, NAMSA, France

Title: Islet transplantation: Input of biomaterials for islet survival
Elisa Mailiard, University of Strasbourg, France

Title: Force-induced encapsulated magnetic nanoparticles as a mechanical local stimulus for cell differentiation and proliferation: 3D computational analysis
Mohamed Hamdy Doweidar, University of Zaragoza, Spain

Title: Direct building of 3D microchannel structure for nutrients delivery
David Salamon, Brno University of Technology, Czech Republic

Title: Efficient approach to 3D breast cancer structure formation and growth in vitro, in environments of varying rigidities
Elena Afrimzon, Bar-Ilan University, Israel

Panel Discussions

Day 2  September 13, 2016  Lubeck

Mesenchymal Stem Cells

Session Chair: Susan D Reynolds, Nationwide Children’s Hospital and The Ohio State University, USA
Session Co-Chair: Jan Kriz, Institute for Clinical and Experimental Medicine (IKEM), Czech Republic

Title: My clinical experiences using autogenic and allogenic bone marrow mesenchymal stem cell (MSCs)
Hajime Ohgushi, Oookuma Hospital, Japan

Title: Clinical applications of mesenchymal stem cells
Brian M Mehling, Blue Horizon International, LLC, USA

Title: External and invasive laser stimulation of intravenously and intra-articularly applied mesenchymal stem cells and PRP in regenerative medicine
Michael Weber, International Society for Medical Laser Applications, Germany

Title: TSG-6 as a biomarker to predict efficacy of human mesenchymal stem/progenitor cells (hMSCs) in modulating sterile inflammation in vivo
Ryang Hwa Lee, Texas A&M Health Science Center, USA

Title: A holistic approach to MSC culture process design
Karen Coopman, Loughborough University, UK

Title: Cell injury-induced release of FGF2: An overlooked factor in MSC implantation
Irina Aizman, SanBio, Inc., USA

Title: An update on methods for cryopreservation and thawing of hemopoietic stem cells
Lucilla Lecchi, Milano Cord Blood Bank, Italy

Coffee Break
Title: Human adipose derived mesenchymal stem cells: A potent anti-fibrosis therapy for systemic sclerosis
Daniele Noel, INSERM, France
Title: Function of Pot1 in the maintenance of hematopoietic stem cell activity under stress
Fumio Arai, Kyushu University, Japan
Title: Mesenchymal stromal cells in blood vessels and axons growth
Vsevolod A Tkachuk, Moscow State University, Russia
Title: Combined therapy with shock wave and autologous bone marrow-derived mesenchymal stem cells alleviates left ventricular dysfunction and remodeling through inhibiting inflammatory stimuli, oxidative stress & enhancing angiogenesis in a swine myocardial infarction model
Jiunn-Jye Sheu, Kaohsiung Chang Gung Memorial Hospital, Taiwan
Title: Stem cell treatments for lung disease
Susan D Reynolds, Nationwide Children's Hospital and The Ohio State University, USA
Title: Interaction of mesenchymal stem cells with primary bone tumor cells: Potential implications according to the tumor resection status
Valerie Trichet, Nantes University School of Medicine, France

Lunch Break

Bone Tissue Engineering | Scaffolds in Regenerative Medicine

Session Chair: Daniele Noel, INSERM, France
Session Co-Chair: Hans-Georg Simon, Northwestern University, USA
Title: Boron-doped bone scaffolds
Menemşe Gümüşderelioglu, Hacettepe University, Turkey
Title: Measuring development and potential using computational analysis of live cell and tissue microscopy images
Andrew R Cohen, Drexel University, USA
Title: A plant derived Human recombinant Type I collagen; A novel scaffold for regenerative medicine with outstanding mechanical and biological performance
Oded Shoseyov, CollPlant Ltd., Israel
Title: Guiding full cartilage regeneration using an innovative biphasic natural scaffold in preclinical and minimally invasive clinical studies
Antoine Alves, NAMSA, France
Title: Polymer porous scaffolds for transplantation of Langerhans Islets
Dana Kubies, Institute of Macromolecular Chemistry AS CR, Czech Republic
Title: Transplantation of stem cell-derived neural network scaffold to repair transected spinal cord
Yuan-shan Zeng, Sun Yat-sen University School of Medicine, China
Title: CD34+/CD45- stem cells from diverse lineages and their applicability for cell therapy
Bipasha Bose, Yenepoya University, India

Coffee Break & Poster Presentations

TERM1601 Title: Intravenous dl-3-n-butylphthalide enhances hemodynamics and vascular plasticity but also improves learning and memory deficits and neuronal degeneration early after chronic cerebral hypoperfusion in rat
Li’an Huang, Jinan University, China
TERM1602 Title: Adipose-derived stem cells as a promising tool for pre-clinical and clinical studies in regenerative medicine
Adriana Schumacher, Medical University of Gdansk, Poland
TERM1603 Title: Cystatin C peptidomimetic derivative with antimicrobial and immunoregulatory properties as a potential wound supportive compound
Milena Deptula, Medical University of Gdansk, Poland
TERM1604 Title: Evaluation of therapeutical efficacy of heparin-conjugated fibrin hydrogel containing bone morphogenic proteins and periosteum derived stem cells in critical size rabbit ulna defect
Vyacheslav Ogay, Nazarbayev University, Republic of Kazakhstan
TERM1605 Title: Biomechanical properties of biological lung scaffold in nonhuman primates
Elena V Kuevda, Kuban State Medical University, Russia
TERM1606 Title: Nonhuman primates’mesenchymal stem cells for tissue engineering
Elena A Gubareva, Kuban State Medical University, Russia
TERM1607 Title: Design of polycaprolactone-based biocomposite scaffolds for bone tissue engineering: A brief overview
Saeid Tajbakhsh, University of Tehran, Iran
TERM1608 Title: Application of bone-marrow mesenchymal stem cells and platelet-derived growth factors for human osteogenic graft engineering
Nataliya Danilkovich, The Republic Research Center For Transfusiology And Medical Biotechnologies, Belarus
TERM1609 Title: Electroconductive and biocompatible Carbon nanotube/polyurethane/collagen scaffolds for cardiac tissue engineering
Shiva Asadpour, Tehran University of Medical Sciences, Iran
TERM1610 Title: Effects of platelet-rich plasma & platelet-rich fibrin with & without stromal cell-derived factor-1 on repairing full-thickness cartilage defects in knees of rabbits
Soghra Bahmanpour, Shiraz University of Medical Sciences, Iran
In vitro differentiation process of human Wharton’s jelly mesenchymal stem cells to male germ cells in the presence of gonadal and non-gonadal conditioned media with retinoic acid

Fardin Amidi, Tehran University of Medical Sciences, Iran

Disease modeling of systemic sclerosis disease through iPS induction and differentiation

Zahra Mazidi, Royan Institute for Stem Cell Biology and Technology, Iran

Differentiation of murine dermal papilla cells into myogenic lineage

Mona Rashidi, Iran University School of Medical Sciences, Iran

Analysis of smooth muscle regeneration in the tissue-engineered urinary bladder – A study in a porcine model

Marta Pokrywcynska, Nicolaus Copernicus University in Torun, Poland

Characterization of the supracrestal gingival connective tissue in rat as to establish a small animal model for periodontal regeneration study

Antoine Alves, NAMSA, France

Osteoblastic differentiating potential of dental pulp stem cells on a chemically modified titanium surface

Susi Zara, University “G. d’Annunzio” Chieti-Pescara, Italy

Decellularization of xenogeneic artery for small-diameter vascular graft: Mild alkaline treatment removes galactose-alpha-1,3-galactose and retains vascular extracellular matrix

Wing Yue Chan, Singapore General Hospital, Singapore

Atorvastatin induces apoptotic gene expression in glioblastoma cells in three-dimensional culture

Neda Bayat, Tehran University of Medical Sciences, Iran

A predictive fluid-structure interaction approach to estimate physiological mechanical conditioning in vascular tissue engineering

Claudia Tresoldi, Politecnico di Milano, Italy

Characterization of endoscopic cell spray for application in tubular organs

Malte Bieber, RWTH Aachen University, Germany

In vivo vasculogenic potential of human umbilical vein endothelial cell microtissues: A modular tissue engineering approach

Rajan Narayan, Indian Institute of Technology-Kharagpur, India

Towards the generation of fully functional human pluripotent stem cell derived hepatocytes

Nidal Ghosheh, University of Skövde, Sweden

New finite element with variable young’s modulus

Katarzyna Mazur, Technical University of Gdańsk, Poland

Chemical and topographical modification of polydimethylsiloxane surfaces synergistically influence mesenchymal stem cell fate

Shreyas Kuddannaya, Nanyang Technological University, Singapore

Near field electrospun fibres for neural stem cell differentiation

Atipat Patharagulpong, University of Cambridge, UK

Functional interaction of the TRIM8/GERP ring finger protein with PIM serine/threonine kinases

Vincenzo De Iuliis, Universit of Chieti, “G. d’Annunzio”, Italy

Amniotic membrane for cartilage regeneration in a one step-method

Julia Lerchbacher-Hieslmayr, Technical University of Munich, Germany

Therapeutic potential of human adipose tissue-derived multi-lineage progenitor cells in non-alcoholic fatty liver disease

Hanayuki Okura, National Institutes of Biomedical Innovation, Health and Nutrition, Japan

Generation of electrophysiologically functional cardiomyocytes from mouse induced pluripotent stem cells

Austin J Cooney, University of Texas, USA

Cardimyocyte differentiation of human induced pluripotent stem cells: Modification of signaling pathways

Taghrid Gaafar, Cairo University, Egypt

Biological diversity of mesenchymal stromal/stem cells isolated from post-operative tissues

Aleksandra Klimczak, Institute of Immunology and Experimental Therapy PAS, Poland

Genotype induced behavior of perivascular mesenchymal stem cells (pericytes) in vitro

Sudheer Shenoy P, Yenepoya University, India

Development of pluripotent stem cell based therapies for neurologic and oncologic disorders

Jane S Lekkowski, Asterias Biotherapeutics, USA

Role of endothelial progenitor cells (EPCS) in early senescence in coronary artery disease

G Subramanyam, Narayana Medical Institutions, India

Coffee Break
Title: Visualization of calcium signals by genetically engineered calcium indicators in human pluripotent stem cells and their differentiated progenies
Ágota Apáti, Research Centre for Natural Sciences, HAS, Hungary

Title: Human pluripotent stem cells as a tool for therapeutic development for the treatment of common diseases
Kumiko Saeki, National Center for Global Health and Medicine, Japan

Workshop
Title: Intravenous and intraarticular laser stimulation of stem cells and PRP for osteoarthritis and organ repair
Michael Weber, International Society for Medical laser Applications, Germany

Session Chair: Xiao-Dong Chen, University of Texas Health Science Center, USA
Session Co-Chair: Claire Henchcliffe, Weill Cornell Medical College, USA

Title: CCR5 Governs Stem cell characteristics, therapy resistance and metastasis of breast and prostate cancer
Richard Pestell, Thomas Jefferson University, USA

Title: Pre-clinical studies and clinical trials with application of myogenic stem cells
Maciej Kurpisz, Polish Academy of Sciences, Poland

Lunch Break

Title: 3D collagen-based biohybrids for soft tissue regeneration
Madalina Georgiana ALBU KAYA, INCNCTP – Leather and Footwear Research Institute, Romania

Title: Adipose-derived mesenchymal stem cells for low back pain- The New Zealand experience
Peter Chapman-Smith, NZ Stem Cell Treatment Centre, New Zealand

Title: Human bone mesenchymal stem cells transplantation rescuing fulminant hepatic failure in pigs
Jun Li, Zhejiang University School of Medicine, China

Title: Sports medicine: Stem cells in the OA and AVN patient
Dennis M Lox, Sports and Regenerative Medicine Centers, USA

Title: Use of stem cell as cellular toxicity test models
Vinoth Kumar Jayaseelan, Duke-NUS Graduate Medical School, Singapore

Title: Fat crafting for treatment of complicated wounds: Case report
Triin Vasar, Hospital of Reconstructive Surgery, Estonia

Coffee Break

Title: Suppressed regeneration capacity of distal epithelial stem/progenitors in intralobar pulmonary sequestration
Huaoying Chen, Tianjin Haihe Hospital, China

Title: Engineered microsystems for creating human organ-specific micromechanical environments and quantitative readouts of tissue function
Yanna Nawroth, Emulate, Inc., USA

Title: Restoring the regenerative capacity of human bone marrow-derived mesenchymal stem cells (BM-MSCs) from the elderly to establish a high quality autologous MSC bank
Xiao-Dong Chen, University of Texas Health Science Center, USA

Title: Assessing the effectiveness of umbilical cord-derived mesenchymal stem cells under conditions of ischemia
Mai Alashari, Indian Institute of Science Education and Research (IISER), India

Title: Hypoxia preconditioned mesenchymal stem cells significantly ameliorate lung injury in an elastase-induced emphysema animal model
Kowit-Yu Chong, Chang Gung University, Taiwan

Title: Treatment with AMD3100 beneficially affects pathology in 3xTg- mice model of Alzheimer’s disease
Beka Solomon, Tel Aviv University, Israel

Title: Adipose derived autologous mesenchymal stem cells for therapy of type 2 diabetes mellitus patients
Purwati Armand, Airlangga University, Indonesia

Title: Sciatic nerve regeneration induced by transplantation of in vitro bone marrow stromal cells into an inside-out artery graft in rat
Rahim Mohammadi, Urmia University, Iran

Panel Discussion

Closing Ceremony
Scientific Program

4th International Conference on

Tissue Science and Regenerative Medicine

July 27-29, 2015   Rome, Italy

Exhibitors
Day 1       July 27, 2015

OLIMPICA 2

conferenceSeries.com

Opening Ceremony

Keynote Forum

Introduction
Giorgio Calori Maria
University of Milan, Italy
Denis Barritault
University Paris-EstCreteil, France
Babak Kateb
Brain Mappings Society, USA

Track 1: Regeneration & Therapeutics

Session Chair: Todd K Rosengart, Baylor College of Medicine, USA
Session Co-chair: Kristin Comella, Bioheart Inc., USA
Title: Myocardial regeneration via cellular reprogramming
Todd K Rosengart, Baylor College of Medicine, USA
Title: Adipose stem cells in vasculogenesis and angiogenesis
Kristin Comella, Bioheart Inc., USA
Title: Strategies to improve regeneration after peripheral nervous system trauma
Ana Maria Blanco Martinez, Federal University of Rio de Janeiro, Brasil
Title: Quality assurance for cell based therapeutics in 2D and 3D products
Karin Schütze, CellTool GmbH, Germany
Title: Protein phosphatase/Smek complex negatively regulate Par3 and promote neuronal differentiation
Vicky Yamamoto, Keck School of Medicine of USC, USA

Lunch Break
Title: New approach for damaged facial nerve regeneration based on stem cells
Aysegul Batioglu-Karaaltin, Istanbul University, Turkey
Title: Neuron point of care stem cell therapy: Intrathecal transplant of autologous bone marrow-derived stem cells in patients with cerebral palsy. Preliminary Results
Francisco Ruiz Navarro, Austrian Society of Regenerative Medicine, Austria

Track 4: Tissue Regeneration

Track 5: Materials & Designs for Tissue Engineering

Session Chair: Shiva Akbarzadeh, Monash University, Australia
Session Co-chair: Christopher L. Antos, Technische Universität Dresden, Germany
Title: Use of clotted human plasma and aprotinin in skin tissue engineering - A novel approach to engineering composite skin on a porous scaffold
Shiva Akbarzadeh, Monash University, Australia
Title: Adult stem cell aging and skeletal regenerative medicine
Shuanhu Zhou, Harvard Medical School, USA
Title: Adhesion, growth and osteogenic differentiation of human adipose stem cells isolated by liposuction under low and high negative pressure
Lucie Bacakova, Academy of Sciences of the Czech Republic, Czech Republic
Title: Calcineurin instructs when to stop regenerating once the correct size of zebrafish appendages is reached
Christopher L. Antos, Technische Universität Dresden, Germany

Networking & Refreshments Break
Title: 3D imaging of cell interactions with nanofibers scaffolds
Urszula Stachewicz, AGH University of Science and Technology, Poland
Title: Hydrogel scaffolds in tissue engineering of the enteric nervous system
Paola Brun, University of Padova, Italy
Title: Vascularized cardiac tissue from induced pluripotent-derived cardiomyocytes and endothelial cells
Kara E. McCloskey, UC Merced, USA
Track 2: Stem Cells-Tools to Battle Cancer

Session Chair: Norman L. Lehman, The Ohio State University, USA
Session Co-chair: Mei Wan, Johns Hopkins University School of Medicine, USA
Title: Introducing a polydopamine-laced hydroxyapatite-gelatin nanocomposite for customized scaffolding in bone tissue engineering
Ching-Chang Ko, University of North Carolina-Chapel Hill, USA
Title: Glioma tumor stem cell based models for evaluation of anti-glioma therapeutics
Norman L. Lehman, The Ohio State University, USA
Title: Menstrual blood derived stem cells as a renewable source of adult stem cells: Features and advantages
Somaieh Kazemnejad, Avicenna Research Institute, Iran
Title: Neural progenitor cells for treating retinal degeneration
Shaomei Wang, Regenerative Medicine Institute, USA
Title: Safety study of intravenously administered human cord blood stem cells in the treatment of symptoms related to chronic inflammation
Brian Mehling, Blue Horizon International, USA

Day 2        July 28, 2015

OLIMPICA 2

Keynote Forum

Nagy Habib
Imperial College London, UK
Gordon Blunn
University College London, UK
Richard G Postell
Thomas Jefferson University, USA

Networking & Refreshments Break

Track 6: Scaffolds
Track 7: Whole Organ Engineering & Approaches

Session Chair: Joseph Purita, Institute of Regenerative and Molecular Orthopedics, USA
Session Co-Chair: Andrea Barbetta, Sapienza University of Rome, Italy
Title: Cutting edge concepts in the use of stem cell and PRP injections in an office setting
Joseph Purita, Institute of Regenerative and Molecular Orthopedics, USA
Title: Bioprinted 3D vascularized network tissue constructs using cell-laden bioink
Andrea Barbetta, Sapienza University of Rome, Italy
Title: Increasing concentration of self-assembling peptides finely tunes properties of electrospun scaffolds and improves osteoblast cells adhesion
Paola Brun, University of Padova, Italy
Title: Hydrogel scaffolds in tissue engineering of the enteric nervous system
Ignazia Castagliuolo, University of Padova, Italy
Title: Biomimetic polyurethane scaffolds for a stem cell based therapy in myocardial regeneration
Valeria Chiono, Politecnico di Torino, Italy
Title: Reciprocal interactions between iPS-derived neural cell-seeded modified collagen scaffolds and nerve tissue
Marzena Zychowicz, Polish Academy of Sciences, Poland

Lunch Break

Workshop on “New frontiers in hard tissue regeneration: State of art”

Session Chair: Robert Di Pietro, G. d’Annunzio University of Chieti-Pescara, Italy
Session Co-Chair: Ivo Kalajzic, University of Connecticut Health Center, USA
Title: Dental pulp stem cells: State of the art and suggestions for a true translation of research into therapy
Gianpaolo Papaccio, University of Naples Federico II, Italy
Title: αSma expressing perivascular and satellite cells contribute to muscle heterotopic ossification
Ivo Kalajzic, University of Connecticut Health Center, USA
Title: Triggering osteocytogenesis in vitro and in vivo
Gunter Lepperdinger, University Salzburg, Austria
Title: Potential of human amniotic fluid stem cells (AFSC) and natural scaffolds in bone regeneration and repair
Roberta Di Pietro, G. d’Annunzio University of Chieti-Pescara, Italy

Track 8: Novel Approaches in Guided Tissue Regeneration

Session Chair: Aysegul Batiloglu-Karaaltin, Istanbul University, Turkey
Session Co-Chair: Livia Visai, University of Pavia, Italy
Title: Treatment of AVN using the chamber induction technique and biotechnologies: Indications and clinical results
Massimiliano Colombo, University of Milan, Italy
Title: Scaffolds, stem cells, biophysical stimulations and nanotechnology in tissue engineering and regenerative medicine
Livio Visai, University of Pavia, Italy
Title: Leukocyte-Platelet Rich Fibrin Membrane (L-PRF) alone or associated with a biomimetic implant surface act as a biological scaffold for hard and soft tissue regeneration
Nelson R Pinto, University of the Andes, Chile
Title: In vivo tissue engineering trachea using adipose derived mesenchimal stem cell and cadaveric tracheal scaffold
Aysegul Batiloglu-Karaaltin, Istanbul University, Turkey
Title: In vivo imaging modalities to visualize mouse brain regenerative response after stroke and stem cell and biomaterial applications
Srecko Gajovic, University of Zagreb School of Medicine, Croatia
Chair: Jonathan Schwartz, Medical Marvels, USA
Title: Lipogems a game changer in the field of regenerative stem cell therapy
Joseph Purito, Institute of Regenerative and Molecular Orthopedics, USA
Title: Basics and clinical applications of laserneedle acupuncture, intravenous, interstitial, intraarticular and photodynamic laser therapy
Michael Weber, Webermedicall Laser Treatment and Research Centers, Germany
Title: A novel chondral defect repair strategy: Biologic resurfacing through innovative bone marrow concentration system
Sciarretta Fabio Valerio, Clinica Nostra Signora della Mercede, Italy
Title: Cracking the telomere code: The first step to reverse aging
Al Sears, Dr. Al Sears’ Center for Health and Wellness, USA

Young Research Forum

Session Chair: Karin Schütze, CellTool GmbH, Germany
Title: A direct differentiation of hiPSCs towards erythroid cells under serum-free and hypoxia condition
Nihal AlMuraikhi, Imperial College London, UK
Title: Bioceramic filler nature influence on acrylic cement properties after immersion in biological fluid
Celine Aubrun, University d’Artois, France
Title: Polybutyleneadipate-co-terephthalate (PBAT) scaffolds for tissue engineering and biological applications
Ayus Arslan, Hacettepe University, Turkey
Title: Influence of electron beam irradiation onto physical and chemical properties of electrosprun produced 3D matrices
Alena O Stepanova, Meshklin Novosibirk State Research Institute of Circulation Pathology, Russia
Title: Nanohydroxyapatite/polyhedral oligomeric silsesquioxane poly(carbonate-urea) urethane (nHA/POSS-PCU): Applications in bone tissue engineering and regenerative medicine
Shima Salmasi, University College London, UK

Poster Sessions

Morning Session P01 to P16
Evening Session P17 to P33

Day 3 July 29, 2015

OLIMPICA 2

Track 9: Clinical Medicine
Track 10: Regenerative Medicine
Track 11: Applications of Tissue Engineering & Regenerative Medicine

Session Chair: Lewis K Clarke, Bay Area Rehabilitation Medicine Associates, USA
Session Co-Chair: Ion N Mihailescu, National Institute for Lasers, Romania
Title: Optimizing intrinsic mechanisms of neuroregeneration in the CNS: Utilizing mitochondrial and neurosteroid chemistry
Lewis K Clarke, Bay Area Rehabilitation Medicine Associates, USA
Title: Pat1a regulates self-renewal activity of hematopoietic stem cells
Fumio Arai, Kyudcu University, Japan
Title: Safety study of intravenously administered human cord blood stem cells in the treatment of symptoms related to chronic inflammation
Brian Mehling, Blue Horizon International, USA
Title: Soft transfer pulsed laser technologies for applications in regenerative medicine
Ion N Mihailescu, National Institute for Lasers, Romania

Award Ceremony

Lunch Break

5th International Conference on Tissue Science and Regenerative Medicine
November 07-09, 2016 Istanbul, Turkey
Conference Venue
TRYP Barcelona Apolo Hotel
Avinguda del Paral•lel, 57-59
Barcelona 08004
Spain