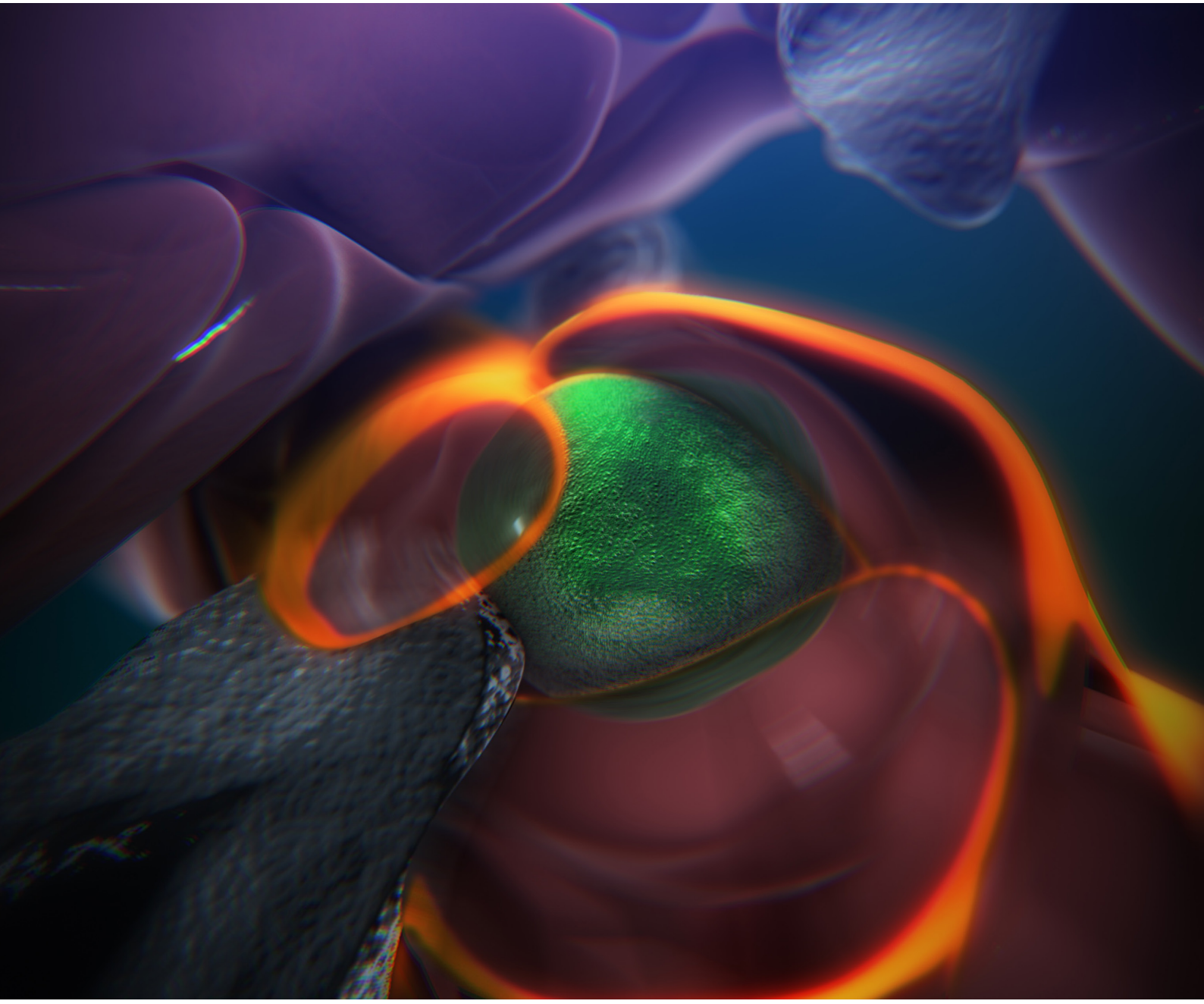
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657th Conference

Scientific Program

5th International Conference on

TISSUE ENGINEERING & REGENERATIVE MEDICINE

September 12-14, 2016 Berlin, Germany



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Scientific Program

Day 1 September 12, 2016

08:00-08:30 Registrations

Kiel 1-3

conferenceseries.com **08:30-08:55** Opening Ceremony

Keynote Forum

08:55-09:00	**Introduction**
09:00-09:25	**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
09:25-09:50	**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
09:50-10:15	**Title: The role of regenerative medicine in Obstetrics and Gynecology** **Bertha Chen**, Stanford University School of Medicine, USA
10:15-10:40	**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 Introduction

Session Chair: Barritault Denis, OTR3, France

Session Co-Chair: Pedro Morouço, Polytechnic Institute of Leiria, Portugal

10:55-11:15	**Title: PreImplantation factor (PIF*): Comprehensive neurorepair regimen from newborn to adult** **Eytan R Barnea**, BioIncept, LLC, USA
11:15-11:35	**Title: Combination of drug and cell delivery to stimulate spinal cord repair** **Anne des Rieux**, Université catholique de Louvain, Belgium
11:35-11:55	**Title: Engineering functional blood vessels from human/diabetic iPS cells** **Rekha Samuel**, Christian Medical College, India
11:55-12:15	**Title: Mayo spheroid reservoir bioartificial liver: Bench to bedside** **Scott L Nyberg**, Mayo Clinic School of Medicine, USA
12:15-12:35	**Title: Combination of bone tissue engineering and electrical stimulation approaches, *in vitro* and *in vivo* studies** **Liudmila Leppik**, J.W. Goethe-University, Germany
12:35-12:55	**Title: Stem cells and biomaterials for the treatment of spinal cord injury, stroke and ALS** **Eva Sykova**, Institute of Experimental Medicine ASCR, Czech Republic
12:55-13:15	**Title: Searching for therapeutic approaches to skeletal muscle repair and cell therapy** **Enrique Brandan**, Catholic University of Chile, Chile

Lunch Break 13:15-14:00 @ Restaurant

14:00-14:20	**Title: Engineered *in vitro* model for mammary acini morphogenesis** **Walter Bonani**, University of Trento, Italy
14:20-14:40	**Title: Intra-bone route of donor lymphocyte infusion favors anti-leukemic allo-reactivity not increasing the risk of acute GvHD** **Andrzej Lange**, Polish Academy of Sciences, Poland
14:40-15:00	**Title: Magnetic nanoparticles in regenerative medicine- from cell tracking to guided tissue engineering** **Luminita Simion Labusca**, National Institute of Advanced Physics, Romania
15:00-15:20	**Title: Analysis of regeneration pathways in tissue engineered urinary bladder – microarray data** **Marta Pokrywczynska**, Nicolaus Copernicus University in Torun, Poland
15:20-15:40	**Title: The future of medically integrated fitness for enhancing clinical outcomes** **JR Burgess**, Rejuv Medical, USA
15:40-16:00	**Title: Dental pulp stem cells-derived schwann cells for peripheral nerve injury regeneration** **Heba Al-Zer**, The University of Jordan, Jordan

Coffee Break 16:00-16:15 @ Foyer

Stem Cell Transplant | Ethical & Legal Issues

Session Introduction

Session Chair: Scott L. Nyberg, Mayo Clinic School of Medicine, USA
Session Co-Chair: Roberta Di Pietro, Gabriele d'Annunzio University, Italy

16:15-16:35	**Title: How can we improve the informed consent process for first-in-human stem cell trials in Parkinson's disease?** **Claire Henchcliffe,** Weill Cornell Medical College, USA
16:35-16:55	**Title: The importance of adequate timing in creation of an artificial subcutaneous site for pancreatic islet transplantation** **Jan Kriz,** Institute for Clinical and Experimental Medicine (IKEM), Czech Republic
16:55-17:15	**Title: Germ stem cell reprogramming** **Thomas Skutella,** University of Heidelberg, Germany
17:15-17:35	**Title: Development of the cell-based medicinal products from the regulatory perspective** **Ivana Haunerová,** State Institute for Drug Control, Czech Republic
17:35-17:55	**Title: Placental stem cell transplantation for congenital metabolic disorders** **Toshio Miki,** University of Southern California, USA
17:55-18:15	**Title: The immunologic microenvironment affects efficacy of stem cell transplantation: A case study on animal model of acute kidney injury** **Željka Večerić-Haler,** University Medical Centre Ljubljana, Slovenia
18:15-18:35	**Title: Placental mesenchymal stem cells are a promising tool for biofunctional vascular grafts** **Ingrid Lang-Olip,** Medical University of Graz, Austria
18:35-18:55	**Title: Induction of mesenchymal stem cell chondrogenic differentiation and functional cartilage microtissue formation for in vivo cartilage regeneration by cartilage extracellular matrix-derived particles** **Heyong Yin,** Chinese PLA General Hospital, China

Panel Discussion 18:55-19:10

Day 2 September 13, 2016

Kiel 1-3

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

Session Introduction

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

08:30-08:50	**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
08:50-09:10	**Title: Translational challenge in renal regeneration: Establishment of posology** **Romaldas Maciulaitis,** Lithuanian University of Health Sciences, Lithuania
09:10-09:30	**Title: PP2Acα positively regulates mice liver regeneration termination through AKT/GSK3β/Cyclin D1 pathway** **Xue Bin,** Nanjing University School of Medicine, China
09:30-09:50	**Title: Rotator cuff tear and regenerative medicine - present state of the art and future** **Jaroslaw Fabis,** Medical University of Lodz, Poland
09:50-10:10	**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 Univerisity School of Medicine, USA
10:10-10:30	**Title: An ideal solution for wound management led by regenerative medicine product** **Sandeep Shrivastava,** Datta Meghe Institute of Medical Sciences, India
10:30-10:50	**Title: Dynamic remodeling of extracellular matrix instructs regenerative cell behavior** **Hans-Georg Simon,** Northwestern University, USA

Coffee Break 10:50-11:05 @ Foyer

11:05-11:25	**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
11:25-11:45	**Title: Mapping of the human amniotic membrane: A morpho-functional study to better understand amniotic membrane stem cells regenerative capacity** **Roberta Di Pietro,** Gabriele d'Annunzio University, Italy

11:45-12:05	**Title: Social collaboration network analysis of English literature on animal-derived regenerative implantable medical devices** **Hongman Wang,** Peking University Health Science Center, China
12:05-12:25	**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
12:25-12:45	**Title: Heart regeneration with cardiac progenitor cells and engineered ECM mimicking carriers in large animal models** **Zhong Wang,** University of Michigan Medical School, USA
12:45-13:05	**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 13:05-13:50 @ Restaurant

3rd workshop on Stem Cells Applications in Regenerative Medicine, Flow Cytometry and Medical Tourism

13:50-14:10	**Title: Isolation of mesenchymal stem cells for the treatment of lung fibrosis in an animal model** **Vasiliki E. Kalodimou,** IASO Maternity Hospital, Greece
14:10-14:30	**Title: Female genital and vaginal rejuvenation by infusion of adipose mesenchymal stem cells** **Efi Roboti,** IASO Maternity & Research Hospital, Athens Greece
14:30-14:50	**Title: Venous neurovascular pathways to neuroinflammation in glaucoma** **Nikolaos G Tsamopoulos,** Mediteranneo Hospital, Greece
14:50-15:10	**Title: Stem tourism and economic potentials** **Isavella Mitrou,** University of Birmingham, UK
15:10-15:30	**Title: Hospital research & blue economy** **Georgia Tsakona,** Expert in Hospital Economics/Research, Greece

Poster Presentations

15:30-15:40	**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
15:40-15:50	**Title: The uses of adipose-derived mesenchymal stem cells** **Alexandra Baranowski,** Cambridge University, UK

Coffee Break 15:50-16:05 @ Foyer

Biomaterials and Bioengineering

Session Chair: Andrzej Lange, Polish Academy of Sciences, Poland

Session Co-Chair: Hazem Barmada, Mississippi Stem Cell Treatment Center, USA

16:05-16:25	**Title: Re-engineering the sole defects with "STARS" technique** **Narendra Saxena,** Datta Meghe Institute of Medical Sciences, India
16:25-16:45	**Title: Regenerative potential of some natural products: Implications in health and diseases** **Samar Hassab-Allah Kassem,** October 6 University, Egypt
16:45-17:05	**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
17:05-17:25	**Title: Functionalized collagen conduit implantation in a paraplegic rat model** **Celine Furne,** NAMSA, France
17:25-17:45	**Title: Islet transplantation: Input of biomaterials for islet survival** **Elisa Maillard,** University of Strasbourg, France
17:45-18:05	**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
18:05-18:25	**Title: Direct building of 3D microchannel structure for nutrients delivery** **David Salamon,** Brno University of Technology, Czech Republic

18:25-18:45	**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 18:45-19:00

Day 2 September 13, 2016

Lubeck

Mesenchymal Stem Cells

Session Introduction

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

08:30-08:50	**Title: My clinical experiences using autogenic and allogenic bone marrow mesenchymal stem cell (MSCs)** **Hajime Ohgushi,** Ookuma Hospital, Japan
08:50-09:10	**Title: Clinical applications of mesenchymal stem cells** **Brian M Mehling,** Blue Horizon International, LLC, USA
09:10-09:30	**Title: External and invasive laser stimulation of intravenously and intra-articulary applied mesenchymal stem cells and PRP in regenerative medicine** **Michael Weber,** International Society for Medical laser Applications, Germany
09:30-09:50	**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
09:50-10:10	**Title: A holistic approach to MSC culture process design** **Karen Coopman,** Loughborough University, UK
10:10-10:30	**Title: Cell injury-induced release of FGF2: An overlooked factor in MSC implantation** **Irina Aizman, SanBio,** Inc., USA
10:30-10:50	**Title: An update on methods for cryopreservation and thawing of hemopoietic stem cells** **Lucilla Lecchi,** Milano Cord Blood Bank, Italy

Coffee Break 10:50-11:05 @ Foyer

11:05-11:25	**Title: Human adipose derived mesenchymal stem cells: A potent anti-fibrosis therapy for systemic sclerosis** **Daniele Noel, INSERM, France**
11:25-11:45	**Title: Function of Pot1 in the maintenance of hematopoietic stem cell activity under stress** **Fumio Arai,** Kyushu University, Japan
11:45-12:05	**Title: Mesenchymal stromal cells in blood vessels and axons growth** **Vsevolod A Tkachuk,** Moscow State University, Russia
12:05-12:25	**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
12:25-12:45	**Title: Stem cell treatments for lung disease** **Susan D Reynolds,** Nationwide Children's Hospital and The Ohio State University, USA
12:45-13:05	**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 13:05-13:50 @ Restaurant

Bone Tissue Engineering | Scaffolds in Regenerative Medicine

Session Introduction

Session Chair: Danièle Noel, INSERM, France

Session Co-Chair: Hans-Georg Simon, Northwestern University, USA

13:50-14:10	**Title: Boron-doped bone scaffolds** **Menemşe Gümüşderelioglu,** Hacettepe University, Turkey
14:10-14:30	**Title: Measuring development and potential using computational analysis of live cell and tissue microscopy images** **Andrew R Cohen,** Drexel University, USA
14:30-14:50	**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
14:50-15:10	**Title: Guiding full cartilage regeneration using an innovative biphasic natural scaffold in preclinical and minimally invasive clinical studies** **Antoine Alves,** NAMSA, France

15:10-15:30	**Title: Polymer porous scaffolds for transplantation of Langerhans Islets** **Dana Kubies,** Institute of Macromolecular Chemistry AS CR, Czech Republic
15:30-15:50	**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
15:50-16:10	**Title: CD34+/CD45- stem cells from diverse lineages and their applicability for cell therapy** **Bipasha Bose,** Yenepoya University, India

Coffee Break & Poster Presentations from 16:10-16:45

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 Deptuła,** Medical University of Gdansk, Poland
TERM1604	**Title: Evaluation of therapeutical eficiacy 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
TERM1611	**Title: *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
TERM1612	**Title: Disease modeling of systemic sclerosis disease through iPS induction and differentiation** **Zahra Mazidi,** Royan Institute for Stem Cell Biology and Technology, Iran
TERM1613	**Title: Differentiation of murine dermal papilla cells into myogenic linage** **Mona Rashidi,** Iran University School of Medical Sciences, Iran
TERM1614	**Title: Analysis of smooth muscle regeneration in the tissue-engineered urinary bladder – A study in a porcine model** **Marta Pokrywczynska,** Nicolaus Copernicus University in Torun, Poland
TERM1615	**Title: Characterization of the supracrestal gingival connective tissue in rat as to establish a small animal model for periodontal regeneration study** **Antoine Alves,** NAMSA, France
TERM1616	**Title: Osteoblastic differentiating potential of dental pulp stem cells on a chemically modified titanium surface** **Susi Zara,** University "G. d'Annunzio" Chieti-Pescara, Italy
TERM1617	**Title: 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
TERM1618	**Title: Atorvastatin induces apoptotic gene expression in glioblastoma cells in three-dimensional culture** **Neda Bayat,** Tehran University of Medical Sciences, Iran

Young Researcher Forum

16:45-17:00	**Title: A predictive fluid-structure interaction approach to estimate physiological mechanical conditioning in vascular tissue engineering** **Claudia Tresoldi,** Politecnico di Milano, Italy
17:00-17:15	**Title: Characterization of endoscopic cell spray for application in tubular organs** **Malte Bieber,** RWTH Aachen University, Germany
17:15-17:30	**Title: *In vivo* vasculogenic potential of human umbilical vein endothelial cell microtissues: A modular tissue engineering approach** **Rajan Narayan,** Indian Institute of Technology-Kharagpur, India

17:30-17:45	**Title: Towards the generation of fully functional human pluripotent stem cell derived hepatocytes** **Nidal Ghosheh,** University of Skövde, Sweden
17:45-18:00	**Title: New finite element with variable young's modulus** **Katarzyna Mazur,** Technical University of Gdańsk, Poland
18:00-18:15	**Title: Chemical and topographical modification of polydimethylsiloxane surfaces synergistically influence mesenchymal stem cell fate** **Shreyas Kuddannaya,** Nanyang Technological University, Singapore
18:15-18:30	**Title: Near field electrospun fibres for neural stem cell differentiation** **Atipat Patharagulpong,** University of Cambridge, UK
18:30-18:45	**Title: Functional interaction of the TRIM8/GERP ring finger protein with PIM serine/threonine kinases** **Vincenzo De Iuliis,** Universit of Chieti, "G. d'Annunzio", Italy
18:45-19:00	**Title: Amniotic membrane for cartilage regeneration in a one step-method** **Julia Lerchbacher-Hieslmayr,** Technical University of Munich, Germany
	Panel Discussion 19:00-19:15

Day 3 September 14, 2016

Kiel 1-3

Embryonic Stem Cell | induced Pluripotent Stem Cells

Session Introduction

Session Chair: Michael Weber, International Society for Medical laser Applications, Germany

Session Co-Chair: Brian M. Mehling, Blue Horizon International, LLC, USA

08:30-08:50	**Title: 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
08:50-09:10	**Title: Generation of electrophysiologically functional cardiomyocytes from mouse induced pluripotent stem cells** **Austin J Cooney,** University of Texas, USA
09:10-09:30	**Title: Cardimyocyte differentiation of human induced pluripotent stem cells: Modification of signaling pathways** **Taghrid Gaafar,** Cairo University, Egypt
09:30-09:50	**Title: Biological diversity of mesenchymal stromal/stem cells isolated from post-operative tissues** **Aleksandra Klimczak,** Institute of Immunology and Experimental Therapy PAS, Poland
09:50-10:10	**Title: Genotype induced behavior of perivascular mesenchymal stem cells (pericytes) *in vitro*** **Sudheer Shenoy P,** Yenepoya University, India
10:10-10:30	**Title: Development of pluripotent stem cell based therapies for neurologic and oncologic disorders** **Jane S Lebkowski,** Asterias Biotherapeutics, USA
10:30-10:50	**Title: Role of endothelial progenitor cells (EPCS) in early senescence in coronary artery disease** **G Subramanyam,** Narayana Medical Institutions, India
	Coffee Break 10:50-11:05 @ Foyer
11:05-11:25	**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
11:25-11:45	**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

11:45-12:25	**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

Stem Cells | Stem Cell Treatments

Session Introduction

Session Chair: Xiao-Dong Chen, University of Texas Health Science Center, USA

Session Co-Chair: Claire Henchcliffe, Weill Cornell Medical College, USA

12:25-12:45	**Title: CCR5 Governs Stem cell characteristics, therapy resistance and metastasis of breast and prostate cancer** **Richard Pestell,** Thomas Jefferson University, USA
12:45-13:05	**Title: Pre-clinical studies and clinical trials with application of myogenic stem cells** **Maciej Kurpisz,** Polish Academy of Sciences, Poland
	Lunch Break 13:05-13:50 @ Restaurant
13:50-14:10	**Title: 3D collagen-based biohybrids for soft tissue regeneration** **Madalina Georgiana ALBU KAYA,** INCDTP – Leather and Footwear Research Institute, Romania

14:10-14:30	**Title: Adipose-derived mesenchymal stem cells for low back pain- the New Zealand experience** **Peter Chapman-Smith,** NZ Stem Cell Treatment Centre, New Zealand
14:30-14:50	**Title: Human bone mesenchymal stem cells transplantation rescuing fulminant hepatic failure in pigs** **Jun Li,** Zhejiang University School of Medicine, China
14:50-15:10	**Title: Sports medicine: Stem cells in the OA and AVN patient** **Dennis M Lox,** Sports and Regenerative Medicine Centers, USA
15:10-15:30	**Title: Use of stem cell as cellular toxicity test models** **Vinoth Kumar Jayaseelan,** Duke-NUS Graduate Medical School, Singapore
15:30-15:50	**Title: Fat crafting for treatement of complicated wounds: Case report** **Triin Vasar,** Hospital of Reconstructive Surgery, Estonia
	Coffee Break 15:50-16:05 @ Foyer
16:05-16:25	**Title: Suppressed regeneration capacity of distal epithelial stem/progenitors in intralobar pulmonary sequestration** **Huaiyong Chen,** Tianjin Haihe Hospital, China
16:25-16:45	**Title: Engineered microsystems for creating human organ-specific micromechanical environments and quantitative readouts of tissue function** **Janna Nawroth,** Emulate, Inc., USA
16:45-17:05	**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
17:05-17:25	**Title: Assessing the effectiveness of umbilical cord-derived mesenchymal stem cells under conditions of ischemia** **Malancha Ta,** Indian Institute of Science Education and Research (IISER), India
17:25-17:45	**Title: Hypoxia preconditioned mesenchymal stem cells significantly ameliorate lung injury in an elastase-induced emphysema animal model** **Kowit-Yu Chong,** Chang Gung University, Taiwan
17:45-18:05	**Title: Treatment with AMD3100 beneficially affects pathology in 3xTg- mice model of Alzheimer's disease** **Beka Solomon,** Tel Aviv University, Israel
18:05-18:25	**Title: Adipose derived autologous mesenchymal stem cells for therapy of type 2 diabetes mellitus patients** **Purwati Armand,** Airlangga University, Indonesia
18:25-18:45	**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 18:45-19:00
	Closing Ceremony

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