

Scientific Program

6th World Congress on

Cell & Stem Cell Research

February 29 - March 02, 2016 Philadelphia, USA

Moderators

Thank You for supporting Stem Cell Research 2016



Haval Shirwan
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Louisville, USA



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Scientific Program

Day 1

February 29, 2016

09:00-09:30 Registrations

Independence-A

conference**series**.com 9:30-9:55

Opening Ceremony

By: Haval Shirwan, University of Louisville, USA

Keynote Forum

- 09:55-10:00 **Introduction**
- 10:00-10:30 **Title: Specific targeting of pathogenic T cells for the induction of tolerance to pancreatic islet grafts for the treatment of type 1 diabetes**
Haval Shirwan, University of Louisville, USA
- 10:30-11:00 **Title: Anti-angiogenic and Pro-apoptotic Activity of Nano-diamino-tetrac (Nanotetrac) initiated at a Cell Surface Target on Integrin $\alpha v \beta 3$**
Paul J Davis, Albany Medical College, USA

Panel Discussion

Networking & Refreshments 11:05-11:25 @ Foyer

Speaker Forum

Session Introduction

Track 1: Stem Cells

Track 6: Cell Metabolism

Track 8: Apoptosis and Cancer Disease

Track 13: Cell and Gene Therapy

Session Chair: Paul J Davis, Albany Medical College, USA

Session Chair: Haval Shirwan, University of Louisville, USA

- 11:25-11:50 **Title: Evaluation of immune response to intravenously administered human cord blood stem cells in the treatment of symptoms related to chronic inflammation**
Brian M Mehling, Blue Horizon International LLC, USA
- 11:50-12:15 **Title: Optimizing intrinsic mechanisms of neuroprotection in the CNS: Utilizing mitochondrial and neurosteroid chemistry**
Lewis K Clarke, Bay Area Rehabilitation Medicine Associates, USA
- 12:15-12:40 **Title: Cancer stem cell markers: An emerging link between metabolic reprogramming and metastasis**
Shanmugasundaram Ganapathy-Kanniappan, Johns Hopkins University School of Medicine, USA
- 12:40-13:05 **Title: Prominin1 in liver development and disease**
Nirmala Mavila, Cedars-Sinai Medical Center, USA

Group Photo

Lunch Break 13:05-13:50 @ Benzamin's Restaurant

- 13:50-14:15 **Title: Different behavior of human adipose tissue-derived stem cells isolated by liposuction at higher and lower negative pressure**
Lucie Bacakova, Institute of Physiology of the Czech Academy of Sciences, Czech Republic
- 14:15-14:40 **Title: Wnt3a and bmp7 in odontoblast specification/differentiation and dentin regeneration**
Jian Zhou, Beijing Stomatological Hospital, China
- 14:40-15:05 **Title: A novel predictor of leukemia transformation in myelodysplastic syndrome patients**
Wen-Chi Yang, Yuan's General Hospital, Taiwan
- 15:05-15:30 **Title: Ad-RTS-hIL-12+veledimex bench to bedside in the treatment of metastatic breast cancer**
John A Barrett, Ziopharm Oncology, USA
- 15:30-15:55 **Title: Responses to well-known genotoxic agents in germ stem cells *in vitro***
Diana Anderson, University of Bradford, UK

Networking & Refreshments 15:55-16:10

- 16:10-16:35 **Title: The role of complement system in GVHD**
Qing Ma, University of Texas M.D. Anderson Cancer Center, USA
- 16:35-17:00 **Title: Identification of common pathways and markers in somatic stem cells and cancer stem cells**
Daniela Dinulescu, Harvard Medical School, USA
- 17:00-17:25 **Title: Development of mesenchymal stem cell (msc) therapies for cancer with 3-d culture systems**
Thomas Bartosh, Texas A&M University Health Science Center, USA
- 17:25-17:50 **Title: Autologous mesenchymal stem cell transplantation for spinal cord injury: a phase-i pilot study**
Humayoon Shafique Satti, Quaid-i-Azam University, Pakistan

Keynote Forum

- 10:00-10:30 Title: General Overview of the Comet Assay**
Diana Anderson, University of Bradford, UK
- 10:30-11:00 Title: Mechanisms of cancer progression: the roles of osteopontin variants**
Georg F Weber, University of Cincinnati Academic Health Center, USA

Panel Discussion

Networking & Refreshments 11:05-11:25 @ Foyer

Speaker Forum

Track 2: Stem Cell Banking

Track 4: Stem Cell Therapy

Track 15: Bioinformatics and Computational Biology

Session Chair: Patricia E Berg, George Washington University Medical Center, USA

Session Co-Chair: Qing Ma, University of Texas M.D. Anderson Cancer Center, USA

Session Introduction

- 11:25-11:50 Title: Enhancing survival of transplanted stem cells in the wound bed**
Alan Wells, University of Pittsburgh, USA
- 11:50-12:15 Title: Activation of BP1 is associated with aggressive breast cancer**
Patricia E Berg, George Washington University Medical Center, USA
- 12:15-12:40 Title: Direct implantation of adipose derived neuron progenitor stem cell to treat parkinson**
Purwati Armand, Airlangga University, Indonesia
- 12:40-13:05 Title: The therapeutic role of the bone marrow mesenchymal stem cells and the schwann cells and their co-transplantation in regeneration of the injured sciatic nerve in rats**
Mennat-allah Elmenyawi, Suez Canal University, Egypt

Lunch Break:13:05-13:50 @ Benzamin's Restaurant

- 13:50-14:15 Title: Differentiation of osteogenic cells from umbilical cord mesenchymal stem cells: comparing two enzyme digestion methods**
Zahara Mansoor, University of Colombo, Sri Lanka
- 14:15-14:40 Title: MEKK3 coordinates with FBW7 to regulate microcephaly associated protein WDR62 and neurogenesis**
Zhiheng Xu, Chinese Academy of Sciences, China
- 14:40-15:05 Title: Connotation of life beyond molecular biology**
Simon Berkovich, George Washington University, USA
- 15:05-15:30 Title: Cell division labeling by chromosome changes for monozygotic twinning and its implications to cancerogenesis**
Carol M. Jim, George Washington University, USA
- 15:30-15:55 Title: Endogenous stem cell mobilization for the treatment of diabetes**
Miguel Guillermo Garber, Revitacell Clinic, Spain

Networking, Refreshments & Poster Presentations 15:55-16:25 @ Foyer

- 16:25-16:50 Title: A comparison of tissue-engineered bone from adipose-derived stem cell with autogenous bone repair in maxillary alveolar cleft model in dogs**
Shirin Shahnaseri, Isfahan University of Medical Sciences, Iran
- 16:50-17:15 Title: The effect of selegiline as an efficient and pre-inducer for neuronal differentiation of rat bone marrow stromal cells on gene expression of neurotrophins and their receptors**
Atefeh Roein Tan, Shefa Neuroscience Research Center, Iran
- 17:15-17:40 Title: Total quality approach to cell incubation and processing**
Kevin Murray, BioSpherix, Ltd. USA
- 17:40-18:05 Title: Angiogenesis Properties of the Amniotic Membrane Stem Cells After Cryopreservation**
Mahsa Khayat-Khoei, University of Texas Health Science Center, USA

Poster Presentations @ 15:55-16:25 @ Foyer

Track 3: Novel Stem Cell Technologies

Chair: Diana Anderson, University of Bradford, UK

- 9:00-9:25 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
- 9:25-9:50 Title: Mechanistic basis of allotolerance induced by SA-FasL-engineered pancreatic islets**
Haval Shirwan, University of Louisville, USA
- 9:50-10:15 Title: Single use technologies support large scale manufacturing of adult stem cells**
Julie Murrell, EMD Millipore Corporation, USA
- 10:15-10:40 Title: Identify the melocular mechamisms that regulate defective NK cell development in aged mice**
Min Fang, Chinese Academy of Sciences, China

11:05-11:30	Title: Actions of L-thyroxine (T4) and Nano-diamino-tetrac (NDAT, Nanotetrac) on PD-L1 in cancer cells Paul J Davis, Albany Medical College, USA
11:30-11:55	Title: Patterns of cancer cell sphere formation in primary cultures of human oral tongue squamous cell carcinoma and neck nodes Saira Saleem, Shaukat Khanum Memorial Cancer Hospital and Research Centre, Pakistan
11:55-12:20	Title: Isolation of Stem cells from Dental Pulp of Primary Teeth Seyed Amir Mousavi, Isfahan University of Medical Sciences, Iran
12:20-13:00	Special Session on Career Development for Young Researchers and Students Haval Shirwan, University of Louisville, USA and Paul J Davis, Albany Medical College, USA

Thanks giving & Closing Ceremony

Lunch Break @ Benzamin's Restaurant

Poster Sessions: 15:55-16:25 @ Foyer

01	Title: Beneficial Effect of Exercise on Muscle Regeneration in a Model of Ischemia Reperfusion Injury (IRI) Noha Fouad ElHadary, German University in Cairo, Egypt
02	Title: Human mesenchymal stem cells in bone tissue engineering – growth, adhesion and osteogenic differentiation of adipose-derived stem cells on ti-6al-4v alloy Krocilova Nikola, Czech Academy of Sciences, Czech Republic
03	Title: Evaluation of the role of adipose-derived stem cells in the healing of indomethacin-induced gastric ulceration in rats Sahar Mansour Hassan Greish, Suez Canal University, Egypt
04	Title: Analysis of Golgi structure by imaging flow cytometry Inbal Wortzel, Weizmann Institute of Science, Israel
05	Title: 3D spheroid formation applicable to a wide variety of cell types onto chitosan based hydrogel culture system Bosun Kwon, Winnova Co., Ltd., South Korea
06	Title: Osteoinductive effects in hMSC by novel synthetic peptide (OP-5) derived from BMP-2 and its application with OP-5 conjugated PLLA for clinical use Bosun Kwon, Winnova Co., Ltd., South Korea
07	Title: Induction of chondrogenesis in adult human mesenchymal stem cell monolayer culture system by using chitosan based injectable hydrogel accompanied with GDF-5 Bosun Kwon, Winnova Co., Ltd., South Korea
08	Title: Randomized clinical study showed ejection fraction improvement and cardiac muscle mass increasing analyzed with magnetic resonance imaging after a year of bone marrow stem cells transplantation Idiberto Jose Zotarelli Filho, State University of Sao Paulo, Brazil

E-Poster

01	Title: Unexpected opening of the glycosylation site in hexagonal form of CAL-B: Is it functionally related? Jaroslaw Blaszczyk, Centre of Molecular and Macromolecular Studies of the Polish Academy of Sciences, Poland
02	Title: Ribonuclease iii in action: catalytic photographs of the enzyme Determined by x-ray crystallography Jaroslaw Blaszczyk, Centre of Molecular and Macromolecular Studies of the Polish Academy of Sciences, Poland
03	Title: Toll-like receptor-2 mediates neurogenesis in ischemic brain in mice Fang Hua, Xuzhou Medical College, China
04	Title: Evaluation the potential anticancer effects of human amniotic fluid derived stem cells (hAFDSCs) on ovarian cancer cells in vitro Shiva Gholizadeh, Tabriz University of Medical Sciences, Iran

Bookmark your dates

8th World Congress on

Cell & Stem Cell Research

March 27 - 29, 2017 Baltimore, USA

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