

75th OMICS Group Conference

Scientific Program



2nd World Congress on

Cell Science & Stem Cell Research

November 12-14, 2012 Hilton San Antonio Airport, USA



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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences in related areas under the scheme title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.com

OMICS Group Conferences

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Email: cellscience2012@omicsgroup.info



09:00-09:30

Opening Ceremony

Keynote Forum

09:30-09:35 Introduction

09:35-10:00 **David T. Harris**

University of Arizona, USA

10:00-10:25 **Lee Buckler**

Cell Therapy Group, USA

10:25-10:50 **Gene P. Siegal**

University of Alabama, USA

Coffee Break 10:50-11:05

11:05-11:30 **Oleksandr Kukharchuk**

A.A. Shalimov AMS of Ukraine, Ukraine

11:30-11:55 **Diana Anderson**

University of Bradford, UK

Track 1: Stem Cell Therapy

Track 2: Cancer Cell Therapy

Session Introduction

Chair: **David T Harris**, University of Arizona, USACo-Chair: **Ratna K Vadlamudi**, University of Texas Health Sciences Center, USA11:55-12:15 **Title: Genetic determinants of breast cancer stem cells defined in mice****Richard G. Pestell**, Kimmel Cancer Center, USA12:15-12:35 **Title: Autologous cord blood infusions for the treatment of pediatric stroke and cerebral palsy****David T. Harris**, University of Arizona, USA12:35-12:55 **Title: Estrogen mediated epigenetic modifications: Role in breast cancer therapy****Ratna K Vadlamudi**, University of Texas Health Sciences Center at San Antonio, USA

Lunch Break 12:55-13:25

13:25-13:45 **Title: KDM1 is a novel therapeutic target for the treatment of gliomas****Gangadhara Reddy Sareddy**, University of Texas Health Science Center, USA13:45-14:05 **Title: Delivering cytokine gene therapy to prostate tumors using adipose-derived mesenchymal stem cells****Marxa L. Figueiredo**, University of Texas, USA14:05-14:25 **Title: Targeting neural stem cells in situ to correct the neurological disorders in Atm-null mice****Paul K. Wong**, UT MD Anderson Cancer Center, USA14:25-14:45 **Title: Extracellular mechanical forces ruling the stem-ness of human adult mesenchymal stem cells****Maryam Niapour**, Adisave, Canada14:45-15:05 **Title: Glucose metabolism and vascular progenitors: A link to stem cell kinetics****Madhulika Dixit**, Indian Institute of Technology, India15:05-15:25 **Title: Analysis of TLR4 signaling and PI3K/Akt pathway activation in renal cancer cell line: A clinical approach****Jatava S K**, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, India

Coffee Break 15:25-15:40

15:40-16:00	Title: The use of autologous mesenchymal stromal cells for treatment of neurodegenerative disorders - past achievements and future goals Shimon Slavin , International Center for Cell Therapy & Cancer Immunotherapy (CTCI), Israel
16:00-16:20	Title: Role of cardiac Sca-1+ cells in cardiac homeostasis and injury Morayma Reyes , University of Washington, USA
16:20-16:40	Title: Therapeutic potential of genetically modified stem cells: Role of arginine decarboxylase Jong Eun Lee , Yonsei University, South Korea
16:40-17:00	Title: Transplantation of human iPS cells generate dopamine neurons and reduce the behaviour impairment in rat model of Parkinson's disease Sabesan. M , Annamalai University, India

17:00-17:15	Panel Discussion
18:30-19:30	Cocktail: Sponsored by Journal of Cell Science & Therapy

Day 2

November 13, 2012

Breakout 1

Track 3: Stem-Cell Transplantation
Track 4: Tissue Engineering
Track 5: Cell Science & Development
Track 7: Organ Specific Stem Cells
Session Introduction

Chair: Oleksandr Kukharchuk, A.A. Shalimov AMS of Ukraine, Ukraine

Co-Chair: Haval Shirwan, University of Louisville, USA

09:00-09:20	Title: The Direct Display of Immunological Ligands on Allogeneic Hematopoietic Stem Cells and Tissues as an Effective Means of Inducing Tolerance Haval Shirwan , University of Louisville, USA
09:20-09:40	Title: Perivascular Adventitial Cells in Regenerative Medicine Chandra Somasundaram , University of Houston-Victoria, USA
09:40-10:00	Title: Inhibition of SOCS1-/- Lethal Auto-Inflammatory Disease Correlated to Enhanced Peripheral Foxp3+ Regulatory T cell Homeostasis Joseph Larkin , University of Florida, USA
10:00-10:20	Title: Apoptosis in vivo in adult pancreatic cell and the implication in type 2 diabetes Bruno Doiron , University of Texas Health Science Center, USA

Coffee Break 10:20-10:35

10:35-10:55	Title: Cell therapy for perinatal brain injury from hypoxia-ischemia and prematurity Irina Burd , Johns Hopkins University School of Medicine, USA
10:55-11:15	Title: Identification and characterization of leukemia stem cells and Phenotypedriving progenitors in myeloproliferative neoplasms Lily Huang , University of Texas Southwestern Medical Center, USA
11:15-11:35	Title: Umbilical cord blood transplantation: Challenges and future directions Amir Hamdi , University of Texas MD Anderson Cancer Center, USA
11:35-11:55	Title: Reverse engineering organs for the realization of tissue engineering Jed Johnson , Nanofiber Solutions, USA
11:55-12:15	Title: NMR based metabolomic profiling of human embryonic stem cell derived neurons Soumya Pati , Baylor College of Medicine, USA
12:15-12:35	Title: Significance of PELP1/HDAC2/microRNA-200 regulatory network in EMT and metastasis of breast cancer Sudipa Saha Roy , University of Texas Health Science Center, USA

Lunch Break 12:35-13:10

13:10-13:30	Title: TCR signaling initiated by CD3 stimulation under acidic conditions Hiroshi Kobayashi , Chiba University, Japan
13:30-13:50	Title: Apoptotic signaling proteins as the factors control neural differentiation Margarita Glazova , Sechenov Institute of Evolutionary Physiology and Biochemistry Russian Academy of Science, Russia
13:50-14:10	Title: Human stromal (mesenchymal) stem cells from bone marrow, adipose tissue and skin exhibit differences in molecular phenotype and differentiation potential Vishnubalaji R , King Saud University, Riyadh, Kingdom of Saudi Arabia
14:10-14:30	Title: Efficiency of human fetal liver hematopoietic stem cells (HFL-HSC) transplantation in treatment of chronic limbs ischemia (CLI) Oleksandr Kukharchuk , A.A. Shalimov AMS of Ukraine, Ukraine
14:30-14:50	Title: Tetrandrine induced apoptosis and autophagy in human oral cancer HSC-3 cells through reactive oxygen species (ROS) production, endoplasmic reticulum stress and ERK/NF-kB signaling pathways Jing-Gung Chung , China Medical University, Republic of China

14:50-15:10 **Title: The role of bone marrow transplantation on oocyte-granulosa cell interaction and follicular development of cisplatin-induced ovarian failure in rat**
Hendarto H, University of Airlangga Surabaya, Indonesia

Coffee Break 15:10-15:25

15:25-15:45 **Title: Bisphenol A: Breast cancer risk stems from mammary stem cells**
Qiaoxiang Dong, University of Texas Health Science Center, USA

15:45-16:05 **Title: Identification of a novel pathway that is critical for the function of breast cancer stem cells**
Monther Al-Alwan, King Faisal Specialist Hospital and Research Center, Saudi Arabia

16:05-16:25 **Title: Decellularized stem cell matrix rescues human synovium-derived stem cells from oxidative stress and enhances expanded stem cell chondrogenesis**
Ming Pei, West Virginia University, USA

16:25-16:45 **Title: The effects of amniotic membrane on angiogenesis**
Mahsa Khayat-Khoei, Shahid Beheshti University of Medical Sciences, Iran

16:45-17:00 **Panel Discussion**

Breakout 2

Editorial Board Meeting

14:00-16:00 Scientific Partnering

16:00-18:00 Poster Presentations

18:30-19:30 Cocktail: Sponsored by Journal of Stem Cell Research & Therapy

Day 3

November 14, 2012

Breakout 1

Track 6 : Advances in Gene & Stem Cell Therapy
 Track 8 : Stem Cell Medicine: Social and Political Challenges
 Track 9 : Pluripotency and Differentiation
 Track 10: Regulation of Stem Cells
 Track 11: Epigenetic Reprogramming

Session Introduction

Chair: Diana Anderson, University of Bradford, UK

Co-Chair: Shahriar Yaghoubi, UCLA School of Medicine, USA

09:00-09:20 **Title: Monitoring the kinetics of therapeutic T cells non-invasively by positron emission tomography imaging**
Shahriar Yaghoubi, UCLA School of Medicine, USA

09:20-09:40 **Title: Using hepatocytes produced from human ES and iPS cells to model hepatic involvement in serum lipid homeostasis**
Theodore P. Rasmussen, University of Connecticut, USA

09:40-10:00 **Title: Molecular Basis of Epigenetic Inheritance**
Fei Li, New York University, USA

10:00-10:20 **Title: Cigarette smoke-induced transgenerational alterations in genome stability in cord blood of human F1 offspring**
Diana Anderson, University of Bradford, UK

Coffee Break 10:20-10:35

10:35-10:55 **Title: Regulation of hematopoietic stem cells division in the niche**
Fumio Arai, Keio University, Japan

10:55-11:15 **Title: A new source of pluripotent-like stem cells DPPSC**
L. Giner-Tarrida, Universitat Internacional de Catalunya, Spain

11:15-11:35 **Title: Delineation of complex transcription programmes governed by Wnt/ - catenin signaling in stomach cancer cell lineages**
Kumarean Ganesan, Madurai Kamaraj University, India

11:35-11:55 **Title: Dynamic imaging of influx of Ca²⁺ in association with ascorbic acid using Wide Field and TIRF Microscopy with reference to repairing, reactivation and rejuvenation of insulin secreting diabetic MIN6 β -cell line**
Archana Tiwari, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, India

11:55-12:15 **Title: Fetal hemoglobin reactivation induced in K562 cell line by resveratrol : An alternative treatment of Beta Thalassaemia**
Richa Gupta, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, India

12:15-12:35 **Title: Functional genomics analysis for single cells and small quantities of cells**
Xinghua Pan, Yale University School of Medicine, USA

12:35-12:50 **Panel Discussion**

Lunch Break 12:50-13:20

Organizing Committee Members



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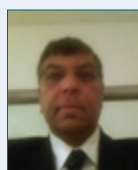
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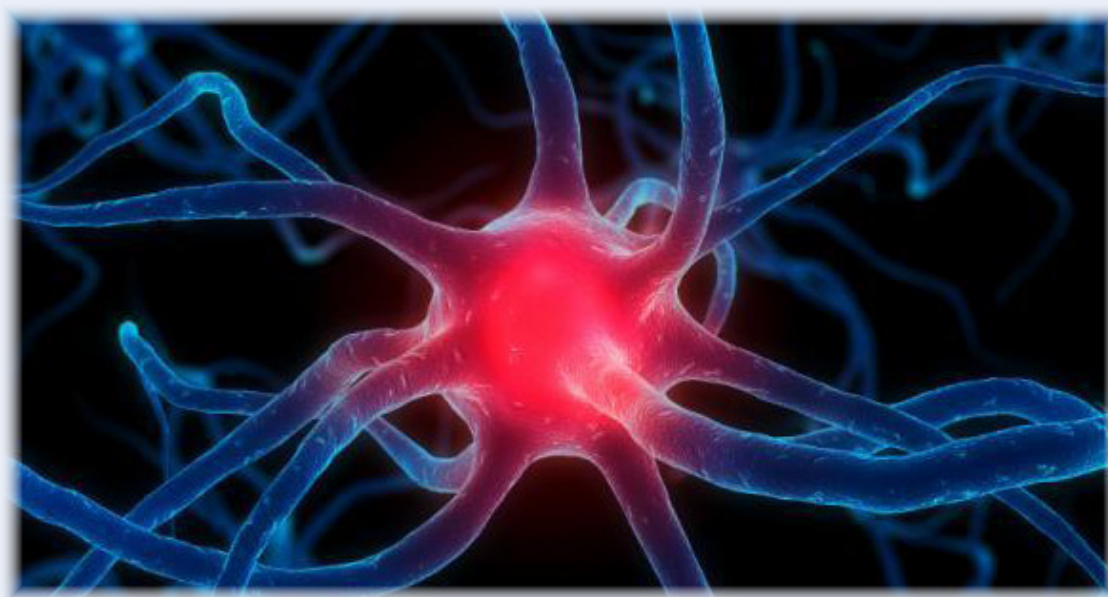
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3rd World Congress on

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