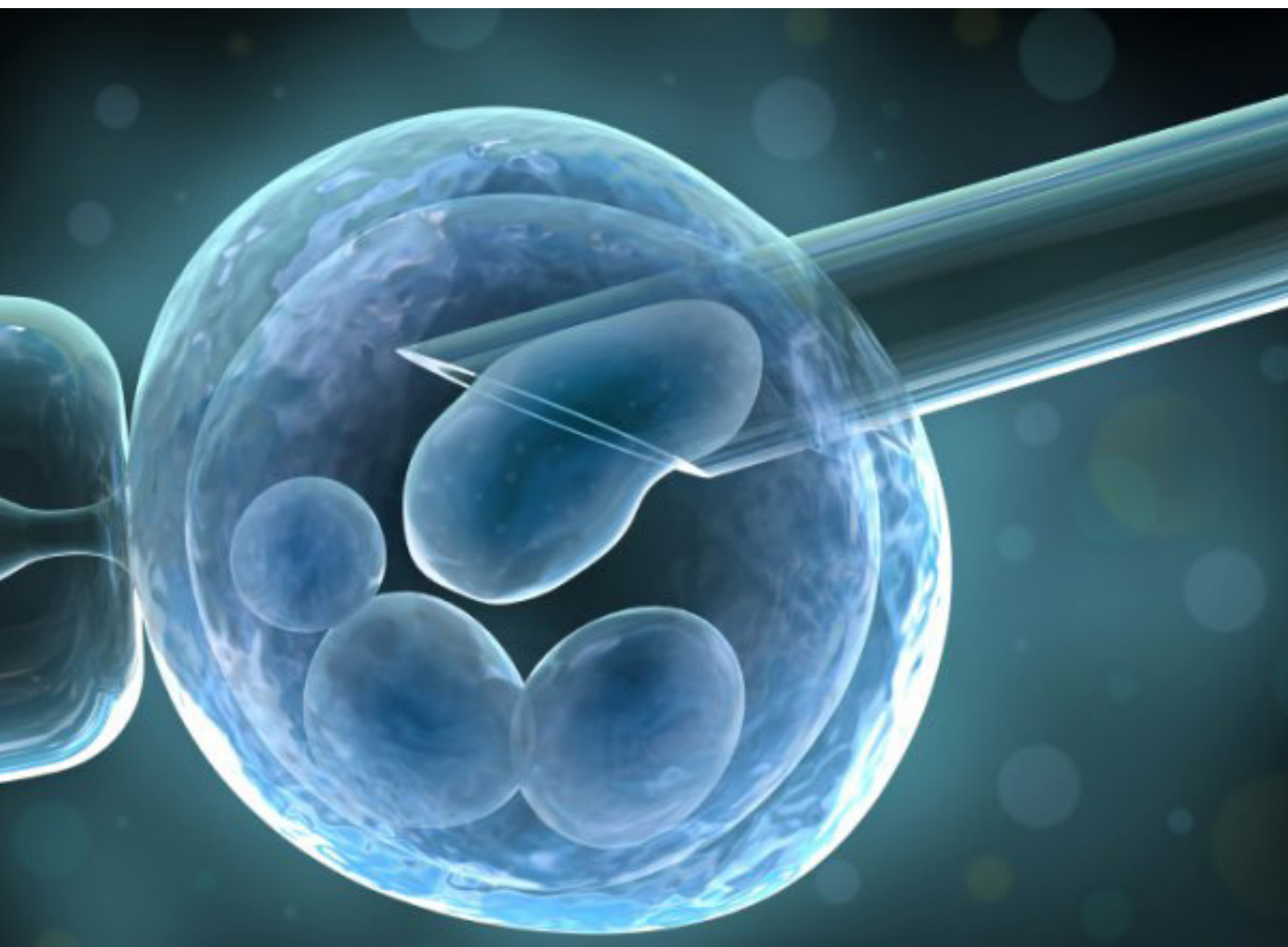


8th World Congress and Expo on

Cell & Stem Cell Research

March 20-22, 2017 Orlando, USA



Hosting Organizations: Conference Series LLC

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA, NV 89074-7722, USA
Ph: +1-702-508-5192, Fax: +1-650-618-1417, Toll free: +1-800-216-6499

Conference Series Ltd

Heathrow Stockley Park Lakeside House, 1 Furzeground Way, Heathrow, UB11 1BD, UK, Tel: +1-800-216-6499
Email: stemcell@geneticconferences.com; stemcell@conferenceseries.net; stemcell@annualcongress.com

09:00-09:30 Registrations

Hall-A

conference**series**.com

09:30-09:55

Opening Ceremony

Keynote Forum

09:55-10:00 Introduction

10:00-10:30 **Title: Targeted deletion of pathogenic T effector cells as a robust means of allograft tolerance**

Haval Shirwan, University of Louisville, USA

10:30-11:00 **Title: iPSC derived MSC and MSC engineering**

Mahendra S Rao, Q Therapeutics, Inc, USA

Networking & Refreshment Break: 11:00 -11:20 @ Foyer

11:20-11:50 **Title: Nano-diamino-tetrac (NDAT; Nanotetrac) acts at its target on integrin α V β 3 in human glioblastoma xenografts**

Paul J Davis, Albany Medical College, USA

11:50-12:20 **Title: Glioblastoma cells and stem cells: Imaging and gene/drug/cell therapy**

Bakhos A Tannous, Harvard Medical School, USA

Sessions:

Stem Cells | Stem Cell Therapy | Stem Cell Biomarkers | Cellular Therapies | Stem Cells and Cancer | Cell and Organ Regeneration | Cell Differentiation and Disease Modeling | Stem Cell Plasticity and Reprogramming | Tumor Cell Science

Session Chair: Paul J Davis, Albany College of Pharmacy and Health Sciences, USA

Session Chair: Haval Shirwan, University of Louisville, USA

Session Introduction

12:20-12:40 **Title: Analysis of outcomes following mesenchymal stem cell therapy in subjects with musculoskeletal conditions**

Brian Mehling, Blue Horizon International LLC, USA

12:40-13:00 **Title: Hippocampal neurogenesis in rats genetically prone to audiogenic seizure**

Margarita Glazova, Russian Academy of Science, Russia

13:00-13:20 **Title: Lineage fate determination of MSCs in tissue repair/ remodeling**

Mei Wan, The Johns Hopkins University, USA

Group Photo

Lunch Break: 13:20-14:05 @Restaurant

14:05-14:25 **Title: Single use technologies support large scale manufacturing of cellular therapies**

Aletta Schnitzler, EMD Millipore Corporation, USA

14:25-14:45 **Title: Regenerative Medicine - Use of stem cells as therapeutic options to treat degenerative conditions mediated by inflammation and aging**

Vincent S Gallicchio, Clemson University, USA

14:45-15:05 **Title: Identification of Expression of Putative Cancer Stem Cell Markers in Prostate Cancer**

Meenakshi Chellaiah, University of Maryland Dental School, USA

15:05-15:25 **Title: Protective effect of T cell depletion anticipating mesenchymal stem cell transplantation in acute kidney injury mice model**

Željka Večerić-Haler, University Medical Centre Ljubljana, Slovenia

15:25-15:45 **Title: Cell compaction influences the regenerative potential of passaged bovine articular chondrocytes in an ex vivo cartilage defect model**

Michael Schmutzer, University of Munich, Germany

Networking & Refreshment Break: 15:45-16:05 @ Foyer

- 16:05-16:25** Title: **Enhancing the protective effects of stem cell-based therapies with an anti-fibrotic drug in experimental chronic allergic airways disease**
 Chrishan S Samuel, Monash University, Australia
- 16:25-16:45** Title: **Adipogenic differentiation of MSC alters their immunomodulatory properties in a tissue-specific manner**
 Helen McGettrick, University of Birmingham, UK
- 16:45-17:05** Title: **A novel potential therapy for vascular diseases: Dendritic cells direct pro-angiogenic stimulation of autologous blood-derived stem/progenitor cells**
 Yael Porat, BioGenCell, Ltd, Israel
- 17:05-17:25** Title: **Small molecule approach for direct reprogramming of human mesenchymal stem cells into different neuronal subtypes**
 Arshak R Alexanian, Cell Reprogramming & Therapeutics LLC, USA
- 17:25-17:45** Title: **Using Single cell functional genomics approach to study gene expression network in human early embryos**
 Fuchou Tang, Peking University, China
- 17:45-18:05** Title: **PD-L1 and PD-1 gene expression are both stimulated by thyroid hormone in cancer cells**
 Paul J Davis, Albany College of Pharmacy and Health Sciences, USA

Panel Discussions

Day 2 | March 21, 2017

Hall- A

Keynote Forum

- 09:45-10:15** Title: **Diethylstilbestrol-induced oxidative DNA damage in spermatogonial stem cells *in vitro***
 Diana Anderson, University of Bradford, UK
- 10:15-10:45** Title: **Genetic programs of cancer progression**
 Georg F Weber, University of Cincinnati, USA

Networking & Refreshment 10:45-11:05 @ Foyer

Sessions:

Stem Cells | Stem Cell Therapy | Cellular Therapies | Stem Cells and Cancer | Cell and Organ Regeneration

Session Chair: **Georg F Weber**, University of Cincinnati, USA

Session Chair: **Vincent S Gallicchio**, Clemson University, USA

Session Introduction

- 11:05-11:25** Title: **SA-4-1BBL as an adjuvant platform for the development of vaccines**
 Haval Shirwan, University of Louisville, USA
- 11:25-11:45** Title: **Microenvironmental induction of cell cycle blockade in malignant melanoma**
 Yuhang Zhang, University of Cincinnati, USA
- 11:45-12:05** Title: **Squamous epithelia as a paradigm to define the role of stem cells quiescence for longevity**
 Thomas Andl, University of Central Florida, USA
- 12:05-12:25** Title: **Reduction of cytochrome P450 1A2 in hepatocellular carcinoma**
 George G Chen, The Chinese University of Hong Kong, Hong Kong
- 12:25-12:45** Title: **The role of haematopoietic stem cells (HSCs) and mesenchymal stem cells (MSCs) as a treatment in severe sepsis**
 Purwati Armand, Universitas Airlangga, Indonesia
- 12:45-13:05** Title: **Prevention of stress-induced MSC premature senescence by 5-methoxytryptophan**
 Kenneth K Wu, National Health Research Institutes and CMU, Taiwan

Lunch Break: 13:05-13:50 @ Restaurant

- 13:50-14:10** Title: **Identification of RUNX1 enhancer element that targets tissue stem cells of gastric and other organs**
 Yoshiaki Ito, National University of Singapore, Singapore
- 14:10-14:30** Title: **Fighting the good fight: GVHD in allogeneic haematopoietic stem cell transplant**
 Ganapathi Bhat M, Jaslok Hospital and Research Centre, India
- 14:30-14:50** Title: **Differentiation of murine dermal papilla cells into myogenic lineage for cell-based therapies in duchenne muscular dystrophy**
 Mahsa Rashidi, Children's National Hospital, USA

- 14:50-15:10 **Title: Dedifferentiated Fat (DFAT) cells - A new cell source for regenerative medicine**
Medet Jumabay, David Geffen School of Medicine at UCLA, USA
- 15:10-15:30 **Title: Lithium effects on stem cells-still interesting through all these years**
Vincent S Gallicchio, Clemson University, USA
- 15:30-15:50 **Title: Survey of role SDF- 1 / CXCR4 pathway on cutaneous wound healing of rat by hair follicle stem cells**
Maliheh Nobakht, Iran University of Medical Science, Iran
- 15:50-16:10 **Title: Overexpression of lentiviral vector-mediated human BMP2 gene in the mesenchymal dental pulp stem cells (DPSCS)**
Elham Poonaki, Islamic Azad University of Damghan, Iran

Panel Discussions

Networking & Refreshment 16:10-16:30 @ Foyer

Poster Presentations: 16:30-17:00

- SCR001 **Title: Effect of ionizing radiation on the proliferation of human embryonic stem cells**
Irina V Panyutin, National Institute of Health, USA
- SCR002 **Title: Lysophosphatidic acid acyltransferase2 (LPAT2) enhances abscisic acid response and plays a positive role in osmotic stress in rice**
Alfatih A A Aboagla, Huazhong Agricultural University, China
- SCR003 **Title: Manipulation of adult stem cells plasticity with modulators of chromatin modifying enzymes**
Arshak R Alexanian, Cell Reprogramming & Therapeutics LLC, USA
- SCR004 **Title: A targeted drug delivery system for selective deliver of insulin-like growth factor-1 to infarcted myocardium to improve stem cell survival**
Bin Wang, Widener University, USA

Panel Discussions

Day 3 | March 22, 2017

Hall-A

Keynote Forum

- 10:00-10:30 **Title: Detection of phase specificity of *in vivo* germ cell toxicants using an *in vitro* system**
Diana Anderson, University of Bradford, UK

Panel Discussions

Networking & Refreshment 10:30-10:50 @ Foyer

Sessions:

Stem Cells | Stem Cell Therapy | Novel Stem Cell Technologies | Tissue Engineering | Gene Therapy and Stem Cells

Session Chair: Diana Anderson, University of Bradford, UK

Session Introduction

- 10:50-11:10 **Title: Evidences of novel neurogenic niche in the ventricular region of the rat brain**
Thazhumpal C Mathew, Kuwait University, Kuwait
- 11:10-11:30 **Title: Identification of molecular markers in therapy-refractory glioblastoma**
Nancy Berte, University Medical Center Mainz, Germany
- 11:30-11:50 **Title: Human umbilical cord derived CD73, CD90 and CD105 positive mesenchymal stem cells differentiated into pancreatic β cells: Implications in diabetic therapy**
Annie Q Hasan, Kamineni Hospitals, India
- 11:50-12:10 **Title: The role of biodegradable engineered random polycaprolactone nanofiber scaffolds seeded with nestin positive hair follicle stem cells for tissue engineering**
Maliheh Nobakht, Iran University of Medical Science, Iran
- 12:10-12:30 **Title: A comparative study between CD24, CD39/ENTPD1 and Nestin positive cells from apical papilla, dental follicle and dental pulp of human tooth in cervical spinal cord injury**
Mohamed Gamal Mohamed Elbeltagy, Mansoura University, Egypt
- 12:30-12:50 **Title: Effect of neural stem cells (NSCs) transplantation after bilateral lesion of the locus coeruleus on the sleep-wake cycle in the rat**
Mohammadhadi Fartookzadeh, Iran University of medical sciences, Iran

Panel Discussions

Lunch Break: 13:00-13:45 @ Restaurant

Awards & Closing Ceremony