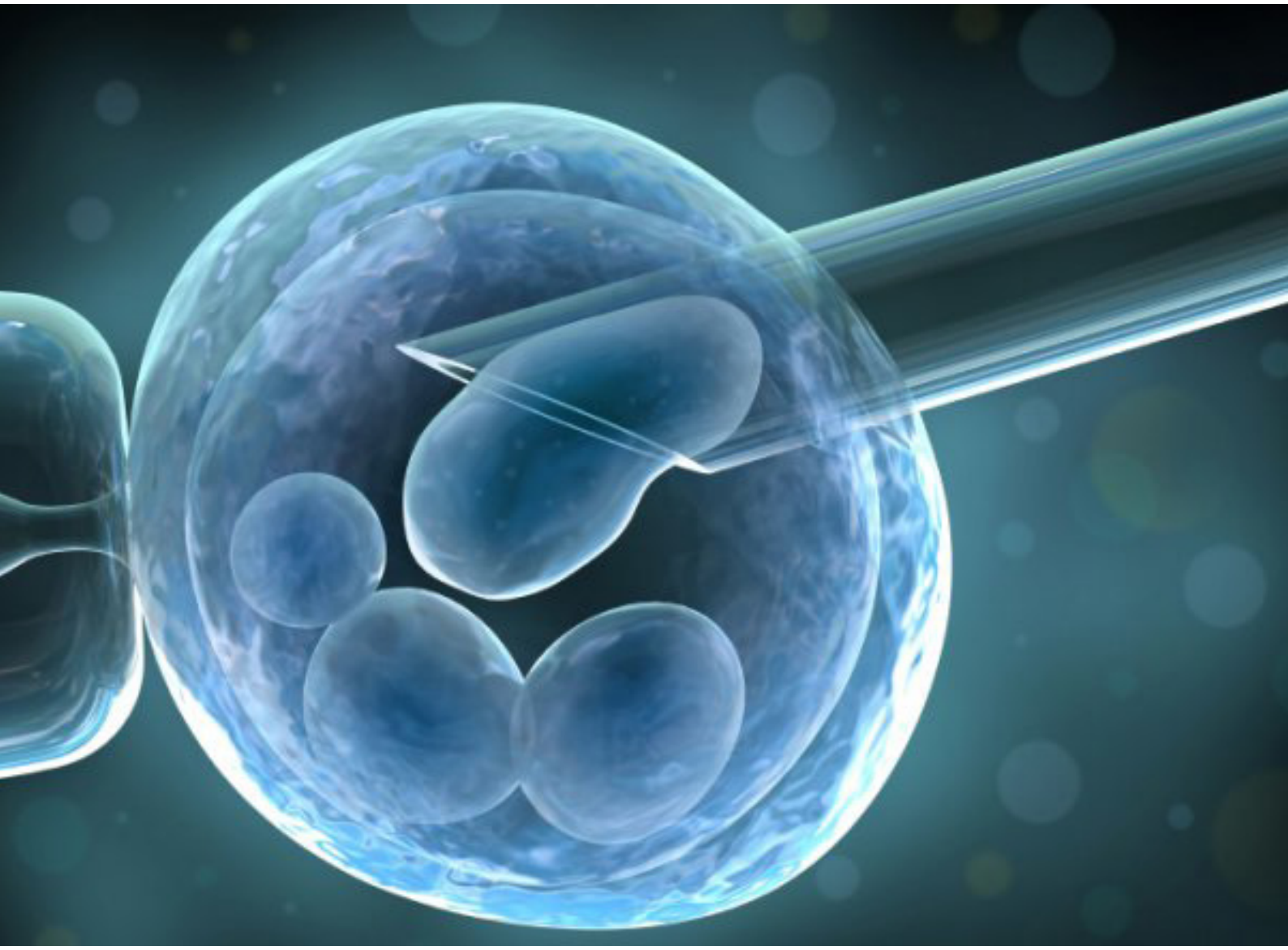
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Proceedings of
8th World Congress and Expo on

# Cell & Stem Cell Research

March 20-22, 2017 Orlando, USA



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## Day 1 | March 20, 2017

09:00-09:30 Registrations

### Hall-A

conferenceseries.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 αvß3 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

**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 haematopoetic 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 linage 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

09:30-10:00 **Title: Detection of phase specificity of *in vivo* germ cell toxicants using an *in vitro* system**
**Diana Anderson,** University of Bradford, UK

10:00-10:30 **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**

**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 Medial 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**