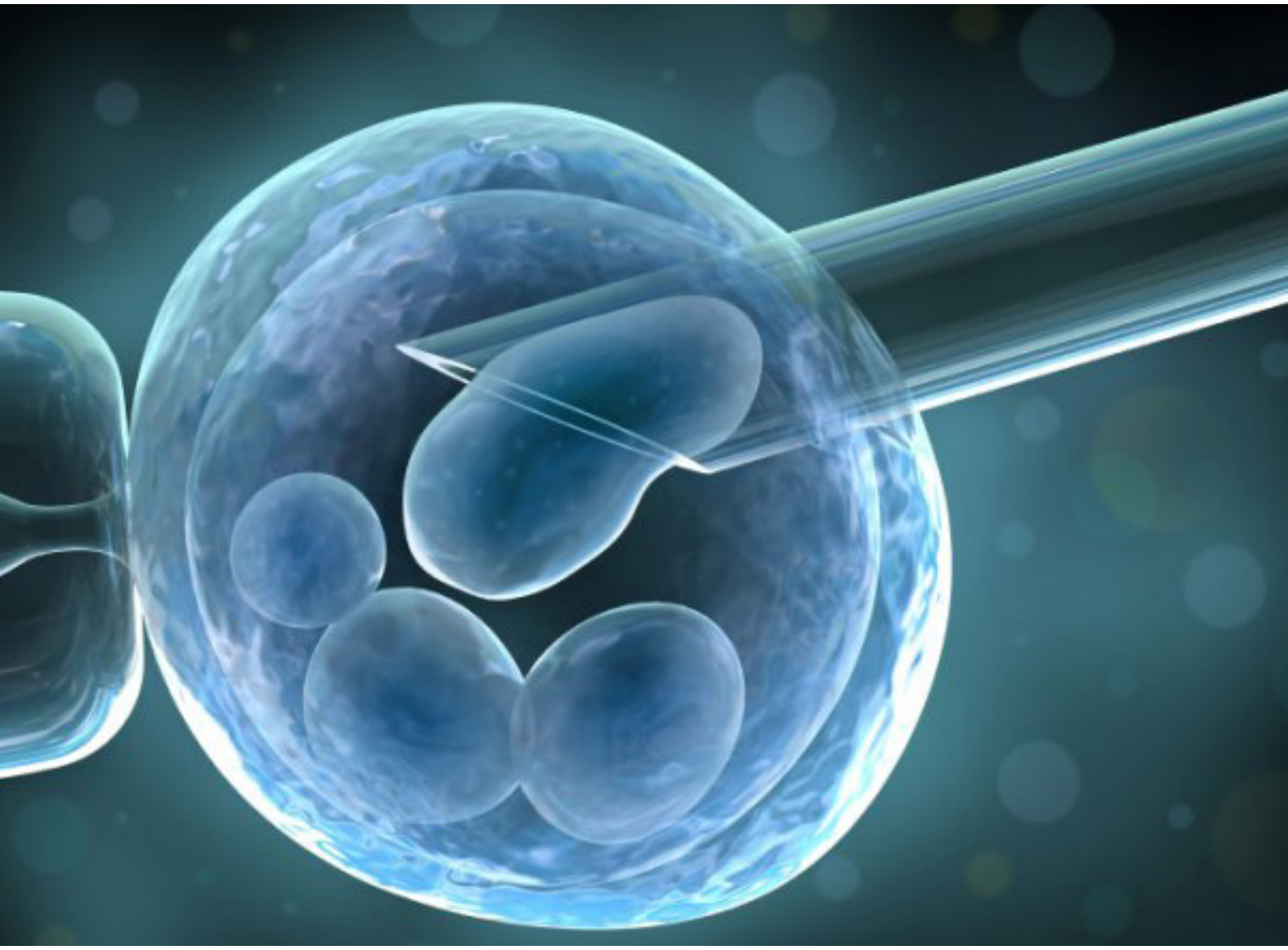
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905th Conference

Scientific Program

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
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 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

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 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: Enhancement of neural regeneration after spinal cord injury using muscle graft**
Bassem Essam Mostafa Mahmoud, Cairo 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