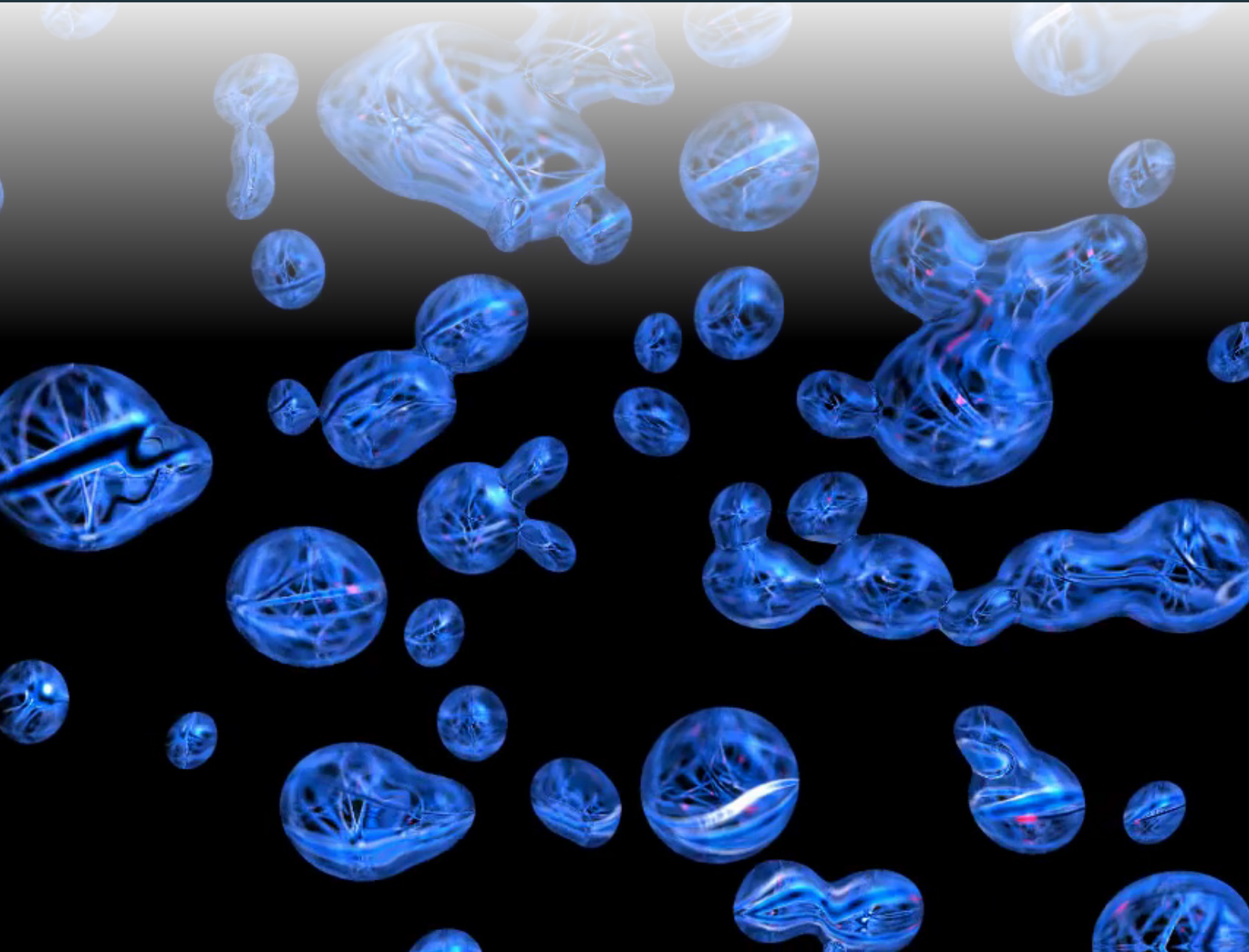


10th World Congress and Expo on

CELL & STEM CELL RESEARCH

March 19-21, 2018 New York, USA



Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY, Toll Free: +1-800-014-8923

08:00-09:00 Registrations

Conference Hall: Tribeca III & IV

conference**series**.com 09:00-09:25

Opening Ceremony

Keynote Forum

09:25-09:30 Introduction

09:30-10:00 **Title: Induction of tolerance to allogeneic islet grafts using an immunomodulatory biomaterial**

Haval Shirwan, University of Louisville, USA

10:00-10:30 **Title: Possible clinical significance of reverse T3 (rT3) and L-thyroxine (T4) levels in cancer-related nonthyroidal illness syndrome (NTIS)**

Paul J Davis, Albany Medical College, USA

10:30-11:00 **Title: Oxaliplatin-induced oxidative stress in isolated spermatogonial stem cells**

Diana Anderson, University of Bradford, UK

Panel Discussion

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

11:20-11:50 **Title: Regenerative therapy for chronic lung disease**

Jack A Coleman, The Lung Health Institute, USA

11:50-12:20 **Title: Optimizing regenerative medicine therapies for differing patient populations**

J Koudy Williams, Wake Forest Baptist Medical Center, USA

12:20-12:50 **Title: 3D Micro-patterned co-culture of mesenchymal and endothelial stem cells for concurrent induction of vasculogenesis and osteogenesis**

Esmail Jabbari, University of South Carolina School of Engineering, USA

12:50-13:20 **Title: Clinical potential of stem cells in human amniotic fluid**

Bruce K Young, New York University, USA

Group Photo

Lunch Break 13:20-14:10 @ Foyer

14:10-14:40 **Title: Endogenous reparative muse cells may provide novel therapeutic approaches**

Mari Dezawa, Tohoku University Graduate School of Medicine, Japan

Panel Discussion

Sessions:

Tissue Engineering | Diseases and Stem Cell Treatment | Tumour Cell Science | Stem Cells | Stem Cell Biomarkers

Session Chair: Haval Shirwan, University of Louisville, USA

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

Session Introduction

14:40-15:05 **Title: Nervous system as the producer of pinpoint energy for motions of living organisms**
Simon Berkovich, The George Washington University, USA

15:05-15:30 **Title: Radiation-induced PGE2 sustains glioma cell growth and survival through EGF signaling**
Lisa Oliver, University of Nantes, France

15:30-15:55 **Title: Examining adult human retinal pigmented epithelium plasticity for developing regenerative therapies**

Timothy A Blenkinsop, Icahn School of Medicine at Mount Sinai, USA

Panel Discussion

Networking & Refreshment Break 15:55-16:15 @ Foyer

- 16:15-16:40 **Title: Timed post-transcriptional events in neural stem cells determine their output**
Mladen-Roko Rasin, Rutgers University, USA
- 16:40-17:05 **Title: Isolation and characterization of human cord blood mesenchymal stem cells multipotent clones**
Shereen Shawky, Cairo University, Egypt
- 17:05-17:30 **Title: The merits of autologous mesenchymal stem cells peripheral vein infusion in patients suffering from end stage liver cirrhosis**
Ayman Salah, Cairo University, Egypt
- 17:30-17:55 **Title: Vascular niche signals in organotypic stem cell regeneration**
Shahin Rafii, Ansary Stem Cell Institute, USA

Panel Discussion

Day 2 March 20, 2018

Conference Hall: Tribeca III & IV

Keynote Forum

- 09:00-09:30 **Title: Induced tissue regeneration (iTR): Leveraging the unique regenerative potential of pluripotent stem cell-derived therapeutics**
Michael D West, AgeX Therapeutics, USA
- 09:30-10:00 **Title: Autologous adipose stromal vascular fraction – lessons from 7 Years of clinical experience**
Mark Berman, University of Southern California, USA
- 10:00-10:30 **Title: Engineering bone marrow cells with an immunomodulatory protein for the prevention of graft-vs-host disease**
Esmat S Yolcu, University of Louisville, USA
- 10:30-11:00 **Title: Receptor targeted engineered stem cells: Therapeutic application for cancer and beyond**
Khalid Shah, Harvard Medical School, USA

Panel Discussion

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

- 11:20-11:50 **Title: T-patterns and temporal and spatial self-similarity across many orders of magnitude: From proteins and neurons to only big-brain mass societies**
Magnus S Magnusson, University of Iceland, Iceland

Sessions:

Stem Cell Therapy | Tissue Engineering | Tumour Cell Science | Stem Cells | Regeneration and Therapeutics | Stem Cell Niches | Diseases and Stem Cell Treatment

Session Chair: Diana Anderson, University of Bradford, UK

Session Introduction

- 11:50-12:15 **Title: Podoplanin regulates mesenchymal stem cell behaviour in flowing blood and within the tissue**
Helen McGettrick, University of Birmingham, UK
- 12:15-12:40 **Title: CRISPR/CAS9 ablation of individual miRNAs from a miRNA family reveals their individual efficacies for regulating cardiac differentiation**
G Ian Gallicano, Georgetown University Medical Center, USA
- 12:40-13:05 **Title: Cell therapy strategy for enhancing bone repair**
Adalberto L Rosa, University of Sao Paulo, Brazil

Panel Discussion

Lunch Break 13:05-13:55 @ Foyer

- 13:55-14:20 **Title: The treatment of traumatic brain injury and chronic traumatic encephalopathy in a rat model with stromal vascular fraction and expanded adipose derived mesenchymal stem cells**
Sean Berman, Cell Surgical Network, USA
- 14:20-14:45 **Title: Umbilical cord blood cell therapy for children with cerebral palsy**
MinYoung Kim, CHA University, Republic of Korea
- 14:45-15:10 **Title: The regentime technique in stem cell therapy, a gate to immortality**
Nassim Abi Chahine, ACE Cells Lab. Ltd, UK
- 15:10-15:35 **Title: Modeling disease of the peripheral nervous system**
Nadja Zeltner, University of Georgia, USA
- 15:35-16:00 **Title: Silver nanoparticle-mediated cellular responses in isolated Sertoli cells *in vitro***
Diana Anderson, University of Bradford, UK

Panel Discussion

Networking & Refreshment Break 16:00-16:20 @ Foyer

- 16:20-16:45 **Title: ZSCAN10 expression corrects the genomic instability of iPSC from aged donors by controlling redox status**
Kitai Kim, Weill Medical College of Cornell University, USA
- 16:45-17:05 **Title: hiPSC-photoreceptors mimic human photoreceptor development *in vivo***
Xiufeng Zhong, Sun Yat-sen University, China
- 17:05-17:30 **Title: Photobiomodulation and photobio-inhibition of cancer stem cells and use of photodynamic therapy as possible therapeutic modality**
Heidi Abrahamse, University of Johannesburg, South Africa

Panel Discussion

Poster Presentations: 17:30-18:15 @ Foyer

Poster Judge: Diana Anderson, University of Bradford, UK

- Stem P-01 **Title: Potential bone-stimulating sclerostin inhibitors screened from an aptamer-based competitive assay**
Mon-Juan Lee, Chang Jung Christian University, Taiwan
- Stem P-02 **Title: Atrial appendage cell-micrograft therapy for patients undergoing cardiac bypass operation (CABG)**
Milla Lampinen, University of Helsinki, Finland
- Stem P-03 **Title: The effect of mesenchymal stem cells on skin allograft rejection in mice**
Shirin Nouraein, University of Tehran, Iran
- Stem P-04 **Title: Studying the effect of cord blood Platelet Rich Plasma (PRP) on expression of miRNA21 and miRNA 146a in fibroblast cells**
Mahdokht Mahmoodi, Shiraz University of Medical Sciences, Iran
- Stem P-05 **Title: Study of potential differentiation of Wharton's jelly-derived umbilical cord-mesenchymal stem cells into renal tissues**
Maha El Mansy, Theodor Bilharz Research Institute, Egypt
- Stem P-06 **Title: Essential role for PI3K alpha in prostate cancer growth, metabolism and tumorigenesis**
Barzan A Sadiq, University of Cambridge, UK

Day 3 March 21, 2018

Conference Hall: Tribeca IV

Keynote Forum

10:00-10:30 Title: CXCR4 and CXCR7 play distinct roles in cardiac lineage specification and pharmacologic β -adrenergic response
Sima T Tarzami, Howard University, USA

Panel Discussion 10:30-10:35

Sessions:

Stem Cell Therapy | Tissue Engineering | Tumour Cell Science | Stem Cells | Regeneration and Therapeutics | Stem Cell Niches | Diseases And Stem Cell Treatment

Session Chair: Jack A Coleman, The Lung Health Institute, USA

Panel Discussion

Session Introduction

10:35-11:00 Title: RegenerAge System: Therapeutic effects of combinatorial biologics (mRNA and Allogenic MSCs) with a spinal cord stimulation system on a patient with spinal cord section
Joel I Osorio, Westhill University School of Medicine, Mexico

Panel Discussion

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

11:20-11:45 Title: The role of adipose derived mesenchymal stem cells as a treatment in autoimmune disease

Purwati Sumorejo, Airlangga University, Indonesia

11:45-12:10 Title: Pancreatic islets engineered with a chimeric PD-L1 protein overcome rejection in allogeneic recipients

Haval Shirwan, University of Louisville, USA

12:10-12:35 Title: Placental Cdx2 cells and cardiac regeneration

Hina W Chaudhry, Icahn School of Medicine at Mount Sinai, USA

Panel Discussion 12:35-12:55

Lunch Break 12:55-14:00 @ Foyer

14:00-14:25 Title: Human bone marrow stem cell behavior on biomimetic nanofiber composites for tendonbone interface regeneration

Cevat Eriskan, Nazarbayev University, Kazakhstan

14:25-14:50 Title: Isolation and characterization of human nasoseptal cartilage derived stem/progenitor cells (CSPCs) for cartilage biofabrication

Zita M Jessop, Swansea University Medical School, UK

14:50-15:15 Title: Axonal injury induced neurogenesis in the floor of the third ventricle in rat

Thazhumpal C Mathew, Kuwait University, Kuwait

15:15-15:40 Title: Effect of stem cells, ascorbic acid and gene transfected stem cells in experimentally induced type I diabetic myopathy

Nehal G Hetebe, Cairo University, Egypt

15:40-16:05 Title: Therapeutical benefit of epicardial-delivery collagen patches with adipose derived stem cells in rat and pig models of chronic myocardial infarction

Beatriz Pelacho, Center for Applied Medicine Research, Spain

Panel Discussion

Networking & Refreshment Break 15:40-16:00 @ Foyer

Award Ceremony

Thanks Giving & Closing Ceremony