
Meetings International
STEM CELL 2019
Osaka, Japan
October 24-25, 2019
"Novel Insights and Innovations in Cell and Stem Cell Research"
Conference Agenda

Title : Stem cells in retinal degenerations and dystrophies

Abdelhakim Mohamed Safwat, Alazhar University, Egypt

Abstract: Multiple retinal disorders can cause severe visual loss and subsequent visual handicapping with its social and financial impacts, Retinal disorders can be both hereditary and acquired. Hereditary retinal diseases as retinitis pigmentosa , Stargardt's maculopathy, fundus flavimaculatus and others.

Biography: Abdelhakim Mohamed Safwat is lecturer of Optthamology at Alazhar University, Egypt

Title: Recent advances in stem cells and their clinical applications

Kampon Sriwatanakul, President of Vita Stem Co. Ltd., Thailand

Abstract: This presentation focuses on the recent advancements in adult stem cell biology in normal and pathological conditions. Major advances to translate the experimental models on ex vivo and in vivo expanded and/or differentiated stem cells into clinical applications for the development of novel cellular therapies will also be reviewed.

Biography: Kampon Sriwatanakul is an internationally recognized pioneer of stem cell therapy. He is currently engaged in research and development projects related to application of mesenchymal stem cell in the anti-aging and regenerative medicine.

Title: The CD248 expression on Myofibroblast cells may contribute to exacerbate the microvascular damage during systemic sclerosis

Roberto Giacomelli, University of L'Aquila, Italy

Abstract: The over-expression of CD248, increased after TGFβ treatment, may play a role in fibrotic process by modulating the molecular pathways leading to dermal FBs differentiation toward myofibroblast and interfering with endothelial cells tube formation. The CD248 silencing may prevent these angiogenic alterations. Future study, targeting CD248, may open new therapeutic strategy to inhibit myofibroblasts generation and microvascular damage.

Biography: Roberto Giacomelli is professor of Rheumatology and Director of the Rheumatology Clinical Unit at the University of L'Aquila.

Title: Autologous bone marrow cell therapy in modified radical mastectomy

Sribatsa Kumar Mahapatra, Department Of General Surgery Vimsar, India

Abstract: It is observed that autologus bone marrow therapy is helpful in preventing local flap problems. Postoperative pain is found to be significantly less, local seroma formation is less making early drain removal, post operative would infection is less, and houlder stiffness is less. Regarding local hypertrophic scarp, kelloid & local recurrence we need further followup in the study.

Biography: Sribatsa Kumar Mahapatra, Professor at Department Of General Surgery at Vimsar, Burla, Odisha, India

Title: Optimised protocol for generating clinical grade umbilical cord mesenchymal stem cells (UC-MSCs) for cells therapy in liver disease

Rekha Kumari, Department of Molecular and Cellular Medicine, New Delhi

Abstract: Mesenchymal stem cells are being used for therapeutic purposes because of their regenerative capabilities such as immunomodulation, mitochondrial transfer and signalling. Our study showed that UC-dissociation kit and GMP Basal Brew Media was best among all for isolating and expanding clinical grade MSCs.

Biography: Rekha Kumari, Department of Molecular and Cellular Medicine, New Delhi

Title: A potential source for human insulin replacement therapy: 3 days induction protocol of insulin-producing cells derived human bonemarrow mononuclear cells

Sayid Ridho, UIN SYAHID, Indonesia

Abstract: The present study described the 3 days modified protocol for generation of insulin producing cells (IPCs) from h-BM MNCs aspirate as a candidate cells for human insulin replacement therapy.

Biography: Dr Sayid Ridho received his medical degree from the Syiah Kuala University and Internal Medicine specialist from the University of Indonesia, Jakarta, Indonesia. He is a Senior Lecturer at Faculty of Medicine, UIN SYAHID, Jakarta, Indonesia. Now he is also on duty as service director at Hajj hospital, Jakarta.

Title: Effect of bone marrow mesenchymal stem cells on stress induced neuronal changes in hippocampal memory of rats.

Saravana Kumar, SEGi University, Malaysia.

Abstract: The present study purposes to evaluate the effect of bone marrow mesenchymal stem cells (BMSCs) on cold stress induced neuronal changes in CA1 hippocampal region of Wistar rats.

Biography: Saravana Kumar BDS, M.Sc.(Psychology), M.Sc., PhD(Anatomy) Senior Lecturer, Faculty of Medicine, SEGi University, Kota Damansara, Malaysia

Title: The 24-quadruplet genetic code: merits of the projected quadruplet codons

W.B. Bozegha, Numeration Science Literature Development Research Project, Nigeria

Abstract: The merits of the quadruplet permutation codons derive from the afore-mentioned four properties per codon. The climax of the merits of the projected quadruplet codons is attained as the 24 come together to make the genetic code sequence collinear with the 20 amino acids of protein and 4 signals for four time and place start/stop controls during protein synthesis geared to protein type proliferation and diversification as illustrated in Chart 2.

Biography: W.B. Bozegha, Numeration Science Literature Development Research Project, Nigeria

Title: Human dental pulp stem cells in cartilage regeneration of temperomandibular joint-a sparkle.

Lakshmi Shetty, Dr.D.Y.Patil Dental College, India

Abstract: Human dental pulp stem cells(hDPSC) differenciated to chondrocytes under different preconditioning agents will enhance the maximum chondrocytic potential for cartilage regeneration in Temperomandibular joint. An revolution to spin in the Indian regenerative research on temperomandibular joint theraupetics. Successful clinical implementation of stemcell based therapy in TMJ will be the future with this benchmark preliminary study

Biography: Lakshmi Shetty, Dr.D.Y.Patil Dental College and Hospital, India

Title: How to pick optimized stem cells and enhance their differentiation for bone graft cells using artificial ligands for purinergic receptors

Edda Tobiasch, H-BRS, Germany

Abstract: We have shown recently that adult stem cells derived from dental follicles are pre-committed towards the osteogenic lineage. However, the availability of these cells derived from wisdom teeth is restricted to very young donors. Therefore we focused on mesenchymal stem cells from various body parts and iPSC cells and compared their suitability during differentiation into several lineages with emphasis on osteogenesis and angiogenesis.

Biography: Edda Tobiasch is a professor for cell culture and genetic engineering and a member of the steering committee of the stem cell network North-Rhine Westphalia.

Title: The use of Bioquantine® and allogeneic Mesenchymal Stem Cells combined with a spinal cord stimulation system in a No Option patient with ASIA-A scale.

Dr. Joel Isaias Osorio Garcia, RegenerAge SAPI de CV - Bioquark, Inc., USA

Abstract: In 1973 the American Spinal Injury Association made the International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI). In this clinical review our patient was classified after the vertebral fixation surgery with a ASIA-A scale injury after suffering a fracture and luxation at T-12-L1, having total spinal cord section

Biography: Joel Isaias Osorio Garcia is MD, CEO and Founder of Biotechnology and Regenerative Medicine at RegenerAge™. Vice President of International Clinical Development for Bioquark, Inc.

Title: Induced pluripotent stem cell-derived endothelial cells from human diabetic donors carry an imprint of the diabetic milieu.

M. Eleftheriadou, Queens University Belfast, Inc., UK

Abstract: Diabetic endotheliopathy is the main cause for impaired angiogenesis and reduced neovascularization that lead to microvascular injury and vascular complications. Elucidation of key underlying mechanisms will help the development of novel therapies and the discovery of potential biomarkers. The ability to generate functional endothelial cells (ECs) from induced pluripotent stem cells (iPSCs) from small amounts of blood is a novel and powerful tool for cell-based therapies.

Biography: M. Eleftheriadou has a strong research and business professional background. She is currently working as a PhD researcher in cardiovascular research at Queens University Belfast.

Title: Regenerative Indian Beauty:An enigma of stem cells in oral and maxillofacial surgery

Lakshmi Shetty, Dr.D.Y.Patil Dental College, India

Abstract: An revolution to spin in the Indian regenerative research in maxillofacial surgery theraupetics. Successful clinical implementation of stemcell based therapy in secondary deformities,TMJ ,oral submucous fibrosis will be the future with this benchmark study.

Biography: Lakshmi Shetty has completed her undergraduation and postgraduation in Oral and Maxillofacial Surgery from A.B. Shetty Memorial Institute of Dental Sciences, Mangalore. She is presently working as Associate Professor in Department of Oral and Maxillofacial Surgery, Dr.D.Y.Patil Dental College and Hospital, Pimpri, Pune.




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