

74<sup>th</sup> OMICS Group Conference

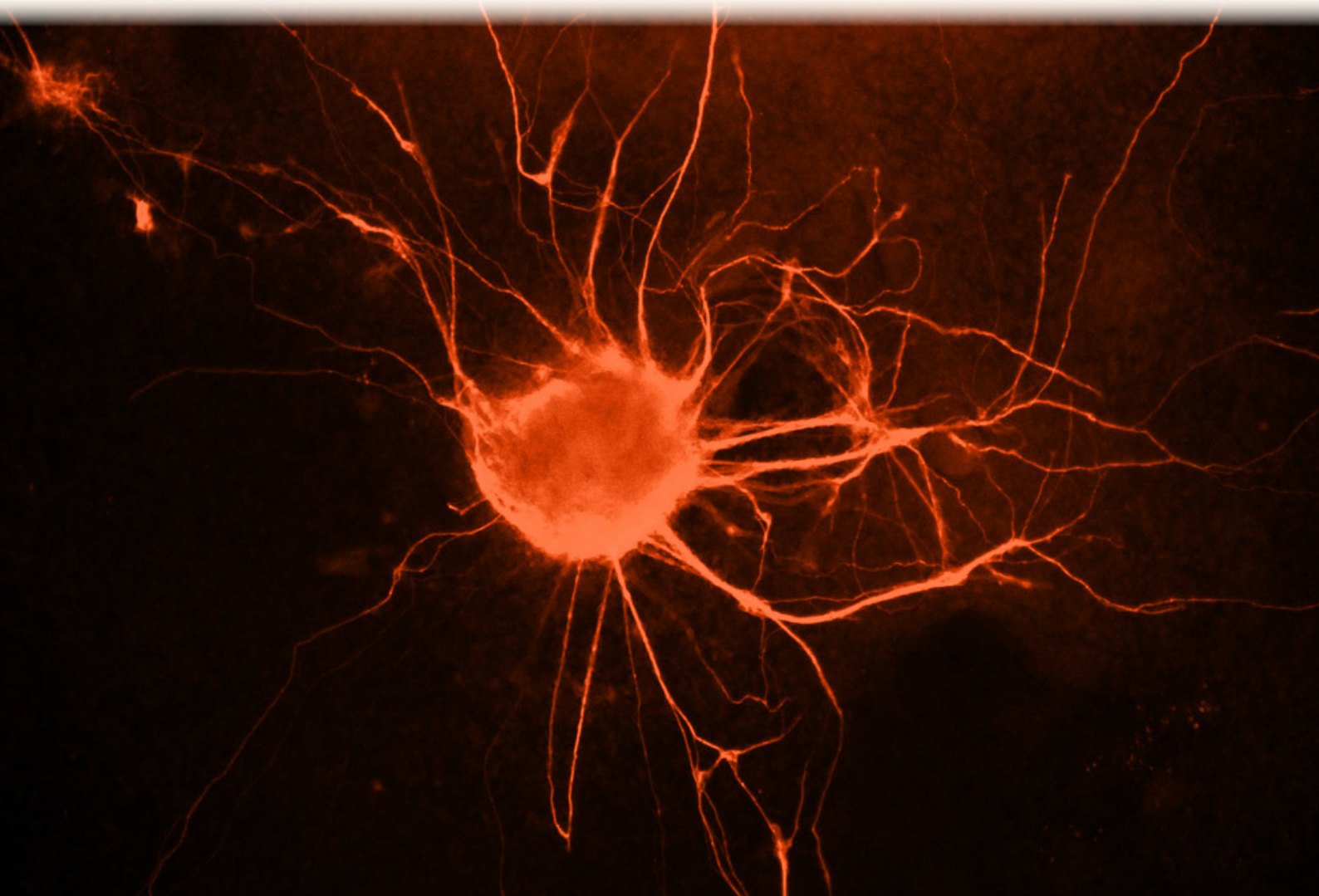
# *Scientific Program*



International Conference on

## **Regenerative & Functional Medicine**

November 12-14, 2012 Hilton San Antonio Airport, San Antonio, USA



### **“Organize your Events at OMICS Group Conferences”**

Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences in related areas under the scheme title of your own. These proposals can be sent to respective conference mail ids or to [symposia@omicsonline.com](mailto:symposia@omicsonline.com)

### **OMICS Group Conferences**

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09:00-09:30

## Opening Ceremony

### Keynote Forum

09:30-09:35 Introduction

09:35-10:00 **Ming Pei**

West Virginia University, USA

10:00-10:25 **Joni H. Ylostalo**

Texas A&amp;M Health Science Center, USA

Coffee Break 10:25-10:40

10:40-11:05 **Mariusz Z. Ratajczak**

University of Louisville, USA

11:05-11:30 **Kristin Comella**

Ageless Regenerative Institute and Bioheart, USA

Track 1: Latest Developments in Stem Cell Research and Regenerative Medicine

Track 2: Biomaterials in Tissue Engineering

Track 3: Advances in Gene Therapy

Session Introduction

11:30-11:50 **Title: Perlecan Domain V promotes neuronal regeneration of stroked brain tissue**  
**Gregory Bix**, University of Kentucky, USA11:50-12:10 **Title: Stem cell-based cartilage repair in isolated articular cartilage lesions and arthritic conditions**  
**Zongbing You**, Tulane University School of Medicine, USA12:10-12:30 **Title: The use of adipose derived stem cells in degenerative diseases**  
**Kristin Comella**, Ageless Regenerative Institute and Bioheart, USA

Lunch Break 12:30-13:30

13:30-13:50 **Title: Cord tissue and adipose tissue in regenerative medicine: Effects of cryopreservation and donor Age**  
**David T Harris**, University of Arizona, USA13:50-14:10 **Title: Bone repair in challenging situations: Lessons from mesenchymal stem cells**  
**Carl A. Gregory**, Texas A&M Health Science Center, USA14:10-14:30 **Title: The role of complement in mobilization and engraftment of hematopoietic stem/progenitor cells - A novel link between innate immunity and hematopoiesis**  
**Mariusz Z. Ratajczak**, University of Louisville, USA14:30-14:50 **Title: Human Amniotic Fluid Stem cells (AFS): A novel resource for cell based therapy in regenerative medicine**  
**Liborio Stuppia**, G. D Annunzio University, Italy14:50-15:10 **Title: Bmp2 gene controls bone and tooth development and controls a link between stem cells on the vascular structure and the process of terminal differentiation of osteoblasts in bone and odontoblasts and cementoblasts in and on teeth**  
**Isik Akgun**, Istanbul University, Turkey15:10-15:30 **Title: Anti-apoptotic, anti-inflammatory and immunosuppressive effects of mesenchymal stem cells: Novel concept for future therapies**  
**Erdal Karaoz**, Kocaeli University, Turkey15:30-15:50 **Title: Molecular and immunophenotypic characterization of isolated human articular bursal tissue- derived stem cells**  
**Adem Aydin**, Kocaeli University, Turkey

Coffee Break 15:50-16:05

- 16:05-16:25** **Title: Construction of Stem cell-colonized scaffolds for bone repair**  
**Zygmunt Pojda**, M. Sklodowska-Curie Memorial Cancer Center, Poland
- 16:25-16:45** **Title: Use of electro stimulation as a Clean Method for Stem Cell's Differentiation and cardiac tissue regeneration**  
**J.A. Genovese**, Maimonides University, Argentina
- 16:45-17:05** **Title: Synergistic effect of curcumin on Temozolomide Inhibition of cancer stem cell-like properties and reduced chemoresistance of Glioblastoma C6**  
**Ahmad R. Bassiouny**, Alexandria University, Egypt
- 17:05-17:25** **Title: Distraction osteogenesis of the maxillofacial skeleton: Biomechanics and clinical implications**  
**Ayman Hegab**, Al-Azhar University, Egypt
- 17:25-17:45** **Title: Functional assessment of bioengineered corneal keratocyte spheroids fabricated on high-Molecular-weight hyaluronic acid coatings**  
**Jui-Yang Lai**, Chang Gung University, Taiwan

**17:45-18:00** **Panel Discussion**

**18:00-19:00** **Cocktails: Sponsored by Journal of Stem Cell Research & Therapy**

**Day 2**

**November 13, 2012**

**Breakout 1**

**Track 4: Novel Methods in Regenerative Medicine**

**Track 5: Molecular Therapy**

**Track 6: Research Trend in Regenerative Medicine**

**Track 7: Ethics and Applications of Regenerative Medicine**

**Track 8: Anti Aging Regenerative and Functional Medicine**

**Track 9: Application of Functional Medicine in Clinical Practice**

**Session Introduction**

- 10:00-10:20** **Title: Development of Second-generation forms of FGF-1 for therapeutic application**  
**Michael Blaber**, Florida State University, USA
- 10:20-10:40** **Title: Macrophage-derived TGFb1 promotes BIGH3 secretion and BIGH3- mediated renal cell apoptosis**  
**Richard G. LeBaron**, University of Texas, USA
- 10:40-11:00** **Title: Young microenvironment promotes synovium-derived stem cell chondrogenesis**  
**Ming Pei**, West Virginia University, USA

**Coffee Break 11:00-11:15**

- 11:15-11:35** **Title: Aggregation of human Mesenchymal Stem/Stromal cells (hMSCS) into spheroids enhances their anti-inflammatory potential**  
**Joni H. Ylostalo**, Texas A&M Health Science Center, USA
- 11:35-11:55** **Title: Characterization of dental pulp stem cells and their potential clinical use**  
**Morayma Reyes**, University of Washington, USA
- 11:55-12:15** **Title: Efficacy of platelet-rich plasma in reduction of the resorption of the alveolar cleft bone graft-A comparative study**  
**Ayman Hegab**, Al-Azhar University, Egypt
- 12:15-12:35** **Title: The study of diagnostic ultrasound associated with microbubbles to open the blood brain barrier of rat**  
**Yi Song**, Zhengzhou University, China

**Lunch Break 12:35-13:35**

- 13:35-13:55** **Title: Fluorescent nanodiamonds enable in vivo tracking of prospectively isolated lung stem cells**  
**John Yu**, Institute of Cellular and Organismic Biology, Taiwan
- 13:55-14:15** **Title: A protein implicated in non-syndromic mental retardation regulates the camp/ protein kinase A (PKA) signaling pathway**  
**Azza Altawashi**, King Abdullah University of Science and Technology, Saudi Arabia
- 14:15-14:35** **Title: Prospects for therapies with adult stem/progenitor Cells (MSCs) or the proteins they produce**  
**Darwin J. Prockop**, Texas A&M Health Science Center, USA
- 14:35-14:55** **Title: Construction, Expression and Characterisation of a Single Chain Variable Fragment Using Phage Display Techonolgy to Recognize MCF-7 Breast Cancer Cells in the E. coli Periplasm**  
**Elham O. Mahgoub**, Alneelain University, Sudan
- 14:55-15:15** **Title: Development of fibrinogen micro carriers as biodegradable scaffolds for skin and vascular engineering**  
**Thanavel Rajangam**, Gachon University, South Korea
- 15:15-15:35** **Title: Harnessing the Potential of Small RNAs for HIV-1 gene therapy – A polycistronic approach**  
**Janet Chung**, Beckman Research Institute of City of Hope, USA
- 15:35-15:55** **Title: The Development of Safe and Effective Polymeric Carriers for siRNA Delivery in Functional Medicine Research**  
**Arun R Shrivats**, Carnegie Mellon University, USA

**16:10-16:30 Title: The efficacy of the target delivery of drugs by erythrocyte pharmacocytes**

**K.E.Berikkhanova**, Nazarbayev University, Kazakhstan

**16:30-16:50 Title: Using small molecules for treatment of neurodegenerative disorders and cancer**

**Thabe Matsebatlela**, University of Limpopo, South Africa

**16:50-17:05 Panel Discussion**

**Breakout 2**

**Editorial Board Meeting**

**14:00-16:00 Scientific Partnering**

**16:00-19:00 Poster Presentations**

**19:00-19:30 Cocktails: Sponsored by Journal of Tissue Science & Engineering**

*Organizing Committee Members*



**Ming Pei**  
West Virginia University  
USA



**Mariusz Z. Ratajczak**  
University of Louisville  
USA



**Kristin Comella**  
Ageless Regenerative  
Institute and Bioheart Inc.  
USA



**Carl A. Gregory**  
Texas A&M Health Science  
Center, USA



**Gregory Bix**  
University of Kentucky  
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**Morayma Reyes**  
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**Erdal Karaöz**  
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Turkey

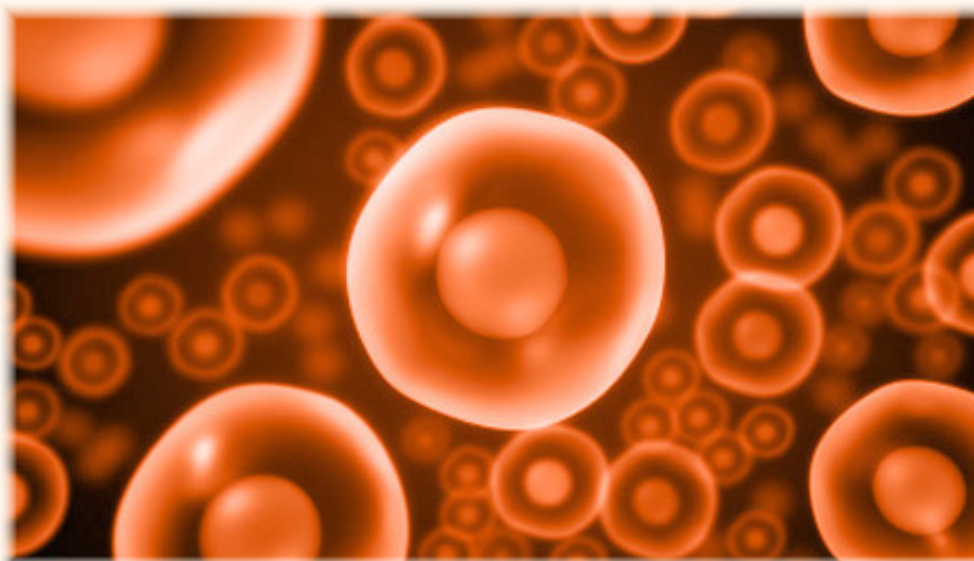
**Bookmark your dates**



**2<sup>nd</sup> International Conference on**

**Regenerative & Functional Medicine**

**October 21-23, 2013 California, USA**



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