"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

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: regenerativemedicine2012@omicsgroup.co
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&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, USA

11:50-12:10 Title: Stem cell-based cartilage repair in isolated articular cartilage lesions and arthritic conditions
Zongbing You, Tulane University School of Medicine, USA

12:10-12:30 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, USA

13:50-14:10 Title: Bone repair in challenging situations: Lessons from mesenchymal stem cells
Carl A. Gregory, Texas A&M Health Science Center, USA

14:10-14:30 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, USA

14:30-14:50 Title: Human Amniotic Fluid Stem cells (AFS): A novel resource for cell based therapy in regenerative medicine
Liborio Stuppa, G. D Annunzio University, Italy

14:50-15:10 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, Turkey

15:10-15:30 Title: Anti-apoptotic, anti-inflammatory and immunosuppressive effects of mesenchymal stem cells: Novel concept for future therapies
Erdal Karaoz, Kocaeli University, Turkey

15:30-15:50 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
Title: Construction of Stem cell-colonized scaffolds for bone repair
Zygmunt Pojda, M. Sklodowska-Curie Memorial Cancer Center, Poland

Title: Use of electro stimulation as a Clean Method for Stem Cell's Differentiation and cardiac tissue regeneration
J.A. Genovese, Maimonides University, Argentina

Title: Synergistic effect of curcumin on Temozolomide Inhibition of cancer stem cell-like properties and reduced chemoresistance of Glioblastoma C6
Ahmad R. Bassiouney, Alexandria University, Egypt

Title: Distraction osteogenesis of the maxillofacial skeleton: Biomechanics and clinical implications
Ayman Hegab, Al-Azhar University, Egypt

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

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

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

11:15-11:35 Coffee Break

11:35-11:55 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

11:55-12:15 Title: Characterization of dental pulp stem cells and their potential clinical use
Morayma Reyes, University of Washington, USA

12:15-12:35 Lunch Break

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 Display Technology 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 polyclistrionic 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
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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>16:10-16:30</td>
<td>Coffee Break</td>
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<tr>
<td>16:30-16:50</td>
<td>Title: The efficacy of the target delivery of drugs by erythrocyte pharmacocytes</td>
<td>K.E. Berikkhanova, Nazarbayev University, Kazakhstan</td>
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<td>16:50-17:05</td>
<td>Panel Discussion</td>
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### Breakout 2

- **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, USA
- Morayma Reyes, University of Washington, Seattle WA
- Joni H Ylostalo, Texas A & M Health Science Center, USA
- Erdal Karaöz, Kocaeli University, Turkey

### Bookmark your dates

2nd International Conference on Regenerative & Functional Medicine

October 21-23, 2013, California, USA