



**RegenMed
SA**

First Annual San Antonio Conference on Stem Cell Research & Regenerative Medicine

UTSA Main Campus, University Center North, Denman Room

Program Schedule

Thursday, February 13, 2014

- 8:00 a.m. Welcoming remarks
John McCarrey, RegenMed SA Steering Committee
Kleberg Distinguished Chair and Director of the San Antonio Cellular
Therapeutics Institute, UTSA
- 8:05 Welcoming remarks
Ricardo Romo, President, UTSA
- 8:15 Welcoming remarks
Henry Cisneros, Chairman, CityView
- 8:30 **Keynote Lecture**, introduced by Dr. Michael Davis, USA-ISR
Dr. J. Peter Rubin, McGowan Institute for Regenerative Medicine
“The Healing Power of Fat: Regenerative Medicine Applications of Adipose
Stem Cells”

Session I – Science of Stem Cells

(Session chairs – Christi Walter, UTHSCSA & John McCarrey, UTSA)

- 9:30 **Christopher Navara** (UTSA)
“A Role for the Oncofetal Protein Survivin in Maintaining Pluripotency”
- 9:50 **Pei Wang** (UTHSCSA)
“Coloring White Adipocytes”
- 10:10 **Chris Rathbone** (USA-ISR)
“Transplantation of Microvascular Fragments for Volumetric Muscle Loss”
- 10:30 *Coffee break*

- 11:00 **Brian Hermann** (UTSA)
"Restoring Sperm Production by Spermatogonial Stem Cell Transplantation"
- 11:20 **Xiao-Dong Chen** (UTHSCSA)
"Extracellular Matrix Controls Fate of Mesenchymal Stem Cells"
- 11:40 **Annie Lin** (UTSA)
"How to Pave and Guide Cell Fate"
- 12:00 *Lunch*
- 1:00 p.m. **Erzsebet Kokovay** (UTHSCSA)
"The Aging Neural Stem Cell Niche"
- 1:20 **Rodney Chan** (USA-ISR)
"Approaches for Improved Skin Quality after Burn Scarring"
- 1:40 **LuZhe Sun** (UTHSCSA)
"Dysfunctional Aging Mammary Stem Cells"

Session II – Tissue Engineering

(Session chairs – Jian Ling & Joe McDonough, Southwest Research Institute)

- 2:00 **Jian Ling** (Southwest Research Institute)
"Toward the Development of a 3D Bone Marrow Model In Vitro"
- 2:20 **Rena Bizios** (UTSA)
"Novel Methodologies to Induce Specific Differentiation of Human Mesenchymal Stem Cells for Biomedical Applications"
- 2:40 *Coffee break*
- 3:10 **Paula Shireman** (UTHSCSA)
"Macrophages and Muscle Regeneration: Timing is Everything"
- 3:30 **Teja Guda** (UTSA)
"Regenerative Therapeutics for Traumatic Bone Injuries"
- 3:50 **Xing Guo Cheng** (Southwest Research Institute)
"The Key Role of the Topography of a Biomaterial and the Release of a Growth Factor on Differentiation of Adipose-Derived Stem Cells"
- 4:10 **John Harper** (KCI)
"Tissue Regeneration Enabled by the Extracellular Matrix: From Dermis to Fascia"
- 4:30 **Richard LeBaron** (UTSA)
"The Extracellular Matrix Protein BIGH3, Macrophages and TGF β 1: Their Roles in a Positive Feedback Mechanism Disturbing Tissue Regeneration in Kidney Cortex"

- 4:50 *Adjourn to Poster Session & Reception*
- 5-7 Poster Session & Reception – UC Ballroom #2

Friday, February 14, 2014

- 8:00 a.m. Organizational remarks
- 8:05 **Alan Fernandez** (GPI)
Announcement of Stem Cell Summit Meeting
- 8:10 **Special Lecture**, introduced by Dr. Michael Davis, USA-ISR
Dr. Rocky Tuan, McGowan Institute for Regenerative Medicine
“AFIRM: Multidisciplinary Regenerative Medicine – A Musculoskeletal Perspective”

Session III – Regenerative Medicine – Clinical Progress
(Session chairs – Michael Davis, USAISR & Rodney Chan, USAISR)

- 8:50 **Anibal Diogenes** (UTHSCSA)
“From the Clinic to the Lab: Neurons Find their Way”
- 9:10 **John McCarrey** (UTSA)
“PriStem: A Primate Resource for Developing Stem Cell Therapies”
- 9:30 **Qiang Shi** (Texas Biomedical Research Institute)
“De Novo Creation of Vascular Replacements using Pluripotent Stem Cells in Baboons”
- 9:50 *Coffee break*
- 10:20 **Peter Hornsby** (STVHCS/UTHSCSA)
“Directed Neural Differentiation of Induced Pluripotent Stem Cells in the Marmoset”
- 10:40 **Anton Fries** (USA-ISR)
“Graft Specific Treatments to Reduce Ischemia-Reperfusion Injury and Acute Rejection in Reconstructive Transplantation”
- 11:00 **Chih-Ko Yeh** (UTHSCSA)
“Stem Cell-Based Salivary Gland Regeneration”
- 11:20 **Robert Christy** (USA-ISR)
“Tissue Engineering Technologies for Wound Healing”
- 11:40 **Vivienne Rebel** (UTHSCSA)
“Regenerating the Hematopoietic System – A View from the Bone Marrow Microenvironment”

12:00 *Lunch (provided)*

Session IV – The Business of Regenerative Medicine

(Session chairs – Sy Griffey, Stem Biosys & Neal Vail, Practical Innovations)

1:00 p.m. **Ann Stevens** (BioMed SA)
 "Unique Assets / Innovation Hot Spot"

1:20 **Randy Goldsmith** (T3DC)
 "Commercializing Research"

1:40 **Mary Pat Moyer** (INCELL)
 "GMP Manufacturing of Cell Therapy Products"

2:00 **Gabi Niederauer** (ENTrigue Surgical)
 "Product Development and Regulatory Considerations"

2:20 *Coffee break*

2:50 **Ann Salamone** (Rochal Industries)
 "The Changing Face of Wound Care"

3:10 **Adrienne Smith** (BioD)
 "From Bench to Bedside"

3:30 **Mike Stimson** (Fulbright & Jaworski LLP)
 "Patents in Regenerative Medicine"

3:50 *Conference Adjourns*