

Unless otherwise noted, proceedings will take place in the Auditorium.

	8:30 AM	Continental Breakfast and Poster Setup
	9:00 AM	<i>Introduction</i> GCC RM Steering Committee <i>Welcome Remarks</i> Bill McKeon, Texas Medical Center
SESSION 1 Faculty and Trainee Short Talks	9:15 AM	Session Chair: Hoang Nguyen, Baylor College of Medicine <i>The Use of Cord Blood in Regenerative Medicine</i> Elizabeth Shpall, UT MD Anderson Cancer Center <i>Developmental Gliogenesis: The Crossroads of Regenerative and Repair in the CNS</i> Hyun Kyoung Lee (for Benjamin Deneen), Baylor College of Medicine <i>Establishment of a Clinical Grade Amniotic Fluid-derived Mesenchymal Stromal Cell Bank</i> Fabio Triolo, University of Texas Health Science Center-Houston <i>Pluripotent Stem Cells for Studies on Human Pancreas Development and Disease</i> Malgorzata Borowiak, Baylor College of Medicine <i>Human CD34+ Cells Deficient in miRNA-377 Show Improved Cardiac Regenerative Ability After Myocardial Ischemia in SCID Mice</i> Darukeshwara Joladarashi, Houston Methodist Research Institute <i>Development of CRISPR/Cas9 Lineage Reporters for Differentiation and Purification of Transcription Factor-Defined Neural Progenitors from Human Pluripotent Stem Cells</i> Shenglan Li, University of Texas Health Science Center-Houston <i>Transdifferentiation of Fibroblasts to Endothelial Cells In Vivo</i> Shu Meng, Houston Methodist Research Institute <i>Reprogrammed Cardiac Fibroblasts to Rescue Heart Failure</i> Vivek Singh, Baylor College of Medicine <i>The Hippo Signaling and Mechanical Tension Coordinately Regulates Epicardial Progenitor Cell Fate</i> Yang Xiao, Texas A&M Health Science Center-Institute of Biosciences and Technology
KEYNOTE ADDRESS	10:45 AM	Session Chair: Ravi Birla, University of Houston <i>Injectable Biomaterials For Treating Cardiovascular Disease</i> Karen Christman, University of California San Diego
POSTER SESSION A	11:45 AM	Poster Viewing/Judging (BRC Event Space)
LUNCH	12:15 PM	Lunch and Networking (BRC Event Space)

Sponsors:



POINT/ COUNTERPOINT DISCUSSION	1:15 PM	<i>Cell vs Non-Cell Based Therapies</i> Moderator: Brian Davis, University of Texas Health Science Center-Houston <u>Non-Cell Based Therapies:</u> John Cooke, Houston Methodist Research Institute <u>Cell Based Therapies:</u> Elizabeth Davis, Baylor College of Medicine	
	1:35 PM	<i>Synthetic vs Native Scaffolds</i> Moderator: Doris Taylor, Texas Heart Institute <u>Synthetic Scaffolds Team:</u> Elizabeth Cosgriff-Hernandez, Texas A&M University and Jordan Miller, Rice University <u>Native Scaffolds Team:</u> Ravi Birla, University of Houston and Andrea Gobin, Texas Heart Institute	
SESSION 2 Faculty and Trainee Short Talks	2:00 PM	Session Chair: K. Jane Grande-Allen, Rice University <i>Biomaterials for Tissue Engineering</i> Antonios G. Mikos, Rice University <i>Gradient Approaches to the Optimization of Biomaterials for Stem Cell Differentiation</i> Laura Smith Callahan, University of Texas Health Science Center-Houston <i>Silk Fibroin Architecture And Applications</i> Anshu Mathur, UT MD Anderson Cancer Center <i>Scaffold-free Tissue Engineering for Tracheal Reconstruction</i> James Dennis, Baylor College of Medicine <i>Development of a Model Surface for Bioprosthetic Heart Valves</i> Monica Fahrenholtz, Rice University <i>Fabricating a Bioartificial Heart by Seeding a Rat Heart Scaffold with Neonatal Cardiac Cells</i> Ze-Wei Tao, University of Houston <i>Condition Media From Human Lung Fibroblast Grown on 4D Model Inhibit Cancer Metastasis</i> Dhurva Mishra, Houston Methodist Research Institute <i>Three-Dimensional Enteroids As Novel Systems For The Study of Enteric Infections</i> Luz Vela, Baylor College of Medicine <i>Polyethylene Glycol Hydrogels Functionalized with a Continuous Ile-Lys-Val-Ala-Val Concentration Gradient for Optimizing Neural Differentiation of Murine Embryonic Stem Cells in 2D</i> Yueh-Hsun Yang, University of Texas Health Science Center-Houston	
	POSTER SESSION B	3:30 PM	Poster Viewing/Judging (BRC Event Space)
	KEYNOTE (& Keck Seminar)	4:00 PM	Session Chair: Charles S. Cox, Jr., University of Texas Health Science Center-Houston <i>The California State Stem Cell Agency Experience in Product Development and Future Directions</i> Ellen Feigal, California Institute for Regenerative Medicine
	AWARDS	5:00 PM	Poster Award Ceremony
		5:15 PM	Reception and Poster Viewing (BRC Event Space)

Sponsors:

