

TENTATIVE PROGRAM - Program subject to change

April 25, 2010 (Sunday)

6:00 - 8:00pm Registration / Reception

April 26, 2010 (Monday)

7:00 - 8:00 am Breakfast

8:00 - 8:10 am Steve Badylak Welcome
KEYNOTE ADDRESS

8:10 - 8:55 am Robert M. Nerem Regenerative Medicine: Cells, the Matrix, and Unlocking the Future
SESSION I
SESSION CHAIR: Buddy Ratner

8:55 - 9:15 am Dinakar Golla Abdominal Wall Reconstruction Using Biologics: Advances in Treatment

9:15 - 9:35 am Kerry Daly Immune Response to Biologic Scaffolds (Gal epitope work)

9:35 - 9:55 am Tracey Stokes

9:55 - 10:25 am Break
SESSION II
SESSION CHAIR: Robert Matheny

10:25 - 10:45 am Jun Liao Decellularized Porcine Myocardium as a Scaffold for Cardiac Regeneration

10:45 - 11:05 am Dan T. Simionescu Reversible stabilization of biologic scaffolds for cardiovascular tissue engineering

11:05 - 11:25 am Gordana Vunjak-Novakovic Decellularized heart and bone as scaffolds for engineering human tissue grafts

11:25 - 11:45 am Frantisek Straka Novel Porous Collagen Scaffold for Heart Valve Tissue Engineering under Static and Dynamic Cell Culture Conditions

11:45 - 1:15 pm Lunch

SESSION III
SESSION CHAIR: Bob Nerem

1:15 - 1:35 pm David J McQuillan Extracellular Matrix-Directed Regeneration of Soft Tissues

1:35 - 1:55 pm Todd McAllister

1:55 - 2:15 pm Neill Turner

2:15 - 2:35 pm William J. Ennis Limb Salvage options with Collagen GAG scaffolding

2:35 - 3:00pm Break

SESSION IV
SESSION CHAIR: Dinakar Golla

3:00 - 3:20 pm Reginald C.W. Bell Routine Use of Allograft in Laparoscopic Hiatal Hernia Repair

3:20 - 3:40 pm Amelia M. Bartholomew Licensing mesenchymal stem cells for optimal stem cell-scaffold synergy

3:40 - 4:00 pm Walid A. Farhat Bladder derived acellular matrix (ACM) support the survival and multipotency of marrow derived mesenchymal stem cells (BM-MSK)

4:00 - 4:20 pm David L. Kaplan Bioengineered Silk Proteins for Novel Biomaterials

4:20 - 4:40 pm Samantha Traphagen Deconstructing and reconstructing molar tooth buds: Characterization and repopulation of decellularized, whole tooth extracellular matrices (ECMs).

4:40 PM Adjourn

6:00 - 8:00 pm Wine & Entertainment

Chandler Burr Special Guest, New York Times

TENTATIVE PROGRAM - Program subject to change

April 27, 2010 (Tuesday)

7:00 - 8:00 am Breakfast

8:00 - 8:10 am Steve Badylak Welcome
KEYNOTE ADDRESS

8:10 - 8:55 am Jeffrey Hubbell
SESSION I
SESSION CHAIR: Walid Farhat

8:55 - 9:15 am Joseph Iannotti How do we define healing of the rotator cuff: Implications for TE strategies

9:15 - 9:35 am Buddy Ratner Scaffold-Mediated Macrophage Manipulation as a Mechanism to Modulate the Matrix for Healing and Regeneration

9:35 - 9:55 am Martin Anthony Birchall New Breath: the clinical application of stem cells on biologic scaffolds to treat advanced airway disease

9:55 - 10:25 am Break
SESSION II
SESSION CHAIR: Tom Gilbert

10:25 - 10:45 am Kenneth S. James Development, Characterization and Clinical Application of Processed Fetal and Neonatal Bovine Dermis

10:45 - 11:05 am Steve Badylak

11:05 - 11:25 am John Dichiara

11:25 - 11:45 am Bryan Brown TMJ

11:45 - 1:15 pm Lunch

SESSION III
SESSION CHAIR: David Kaplan

1:15 - 1:35 pm	Chet Xu	A biologic scaffold for the controlled release of hepatocyte growth factor in a rat model of vocal fold injury
1:35 - 1:55 pm	Thomas W. Gilbert	Decellularized Tracheal Grafts Support Epithelial Cell Growth and Differentiation
1:55 - 2:15 pm	Joan E. Nichols	Influence of Acellular Lung Matrix on Embryonic Stem Cell Differentiation Towards Lung Lineages: Production of a better matrix for development of tissue engineered lung.
2:15 - 2:35 pm	Uwe Freudenberg	Biohybrid Hydrogels for Cell Replacement Therapies of Neurodegenerative Diseases

2:35 - 3:00pm Break

SESSION IV
SESSION CHAIR: Gordana Vunjak-Novakovic

3:00 - 3:20 pm	Robert Matheny	Extracellular Matrix in Myocardial Regeneration
3:20 - 3:40 pm	Geoff Gurtner	
3:40 - 4:00 pm	Anand Ramamurthi	Induced Elastic Matrix Regeneration by Healthy and Diseased Microenvironments
4:00 - 4:20 pm	Matthew Kroh	
4:20 - 4:40 pm	Martin Anthony Birchall	Decorating peptide-based hydrogel scaffolds for nerve-cell culture and tissue engineering
4:40 - 5:00 pm	Steve Badylak	Closing Remarks & Adjourn