Ninth Symposium on Biologic Scaffolds for Regenerative Medicine

Day 1: Apr	il 28, 2016 (Thursday)			
6:00 – 8:00 pm	Registration	Silverado East Foyer		
	Reception	Fairway Deck		
Day 2: Apr	il 29, 2016 (Friday)			
7:00 – 8:00 am	Breakfast	Fairway Deck		
Welcome				
8:00 – 8:05 am	Stephen F. Badylak, DVM, PhD, MD University of Pittsburgh	Silverado East		
Keynote Address				
8:05 – 8:40 am	Robert M. Nerem, PhD Georgia Institute of Technology	Regenerative Medicine: Harnessing the Power of the Intrinsic Human Biology		
Session I: Biologic Scaffold for Cardiac Reconstruction Chair: TBD				
8:40 – 9:05 am	Frederick J. Schoen, MD, PhD Brigham and Women's Hospital and Harvard Medical School	Role of matrix and cell dynamics in heart valve health and disease		
9:05 – 9:25 am	Robert Matheny, MD, FACS CorMatrix Cardiovascular, Inc.	Development of a SIS Regenerative Heart Valve; From Benchtop to Clinical Trial		
9:25 – 9:45 am	Dan T. Simionescu, PhD <i>Clemson University</i>	Development of chemically stabilized acellular cardiac valve scaffolds and in vivo testing in a sheep right ventricular outflow tract model		
9:45 – 10:05 am	Allan S. Stewart, MD Mount Sinai Health System	The evolution of intra-cardiac biologic scaffolds: where have we been and where are we going		
10:05 – 10:25 am	Lauren D. Black III, PhD <i>Tufts University</i>	Acellular Cardiac Extracellular Matrix-Silk Patches for Cardiac Repair post-Myocardial Infarction		
10:25 – 10:45 am	Break	Fairway Deck		
Session II: Biologic Scaffolds for Plastic and Reconstructive Surgery Chair: TBD				
10:45 – 11:05 am	Robert G. Martindale, MD, PhD Oregon Health & Science University	Metabolic end products of absorbable bioscaffolds in soft tissue repair; are they helping or hurting us?		
11:05 – 11:25 am	Anders Sandin, MD Queen Silvias Childrens Hospital	Use of Biodesign® after chest wall resection in children: - Our experience in two cases		
11:25 – 11:45 am	Adam Young, PhD <i>ACell, Inc.</i>	The Use of Urinary Bladder Matrix for Body Wall Repair in Multiple Preclinical Models		
11:45 – 12:05 pm	Nicholas C. Pashos, BS Tulane University School of Medicine	Characterization of a Biologically Derived Graft for Nipple-Areolar Complex Reconstruction		
12:05 – 12:25 pm	Kristen Jones, MD <i>University of Minnesota</i>	Neuroprotective Potential of Biologic Scaffolds in Acute Stroke and Human		

12:25 – 1:45 pm	Lunch	Fairway Deck
Session III:	TBD Biologic Scaffolds for TBD Chair: TBD	
1:45 – 2:05 pm	Karen L. Christman, PhD <i>University of California, San Dieg</i> o	Mechanisms of action of a myocardial matrix hydrogel for treating myocardial infarction
2:05 – 2:25 pm	Inkyung Kang, PhD Benaroya Research Institute at Virginia Mason David M. Adelman, MD, PhD, FACS	A Role for Versican in Engineered Tissues: Modulating Elasticity and Inflammation
2:25 – 2:45 pm	The University of Texas MD Anderson Cancer Center	Defining the Device to Tissue Transition in Fetal Bovine Acellular Dermal Matrix
2:45 – 3:05 pm	George Hussey, PhD University of Pittsburgh	A novel bioactive component of biologic scaffolds: Implications for tissue repair and regeneration
3:05 – 3:25 pm	Break	Fairway Deck
Session IV:	Biologic Scaffolds for TBD Chair: TBD	
3:25 – 3:45 pm	Robert Mecham, PhD Washington University School of Medicine	Extracellular Matrix Organization and Function
3:45 – 4:05 pm	Cyrus Ghajar, PhD Fred Hutchinson Cancer Research Center	Where the Wild Things Are: Perivascular regulation of disseminated tumor cell dormancy and chemoresistance.
4:05 – 4:25 pm	Matthew T. Wolf, PhD Johns Hopkins University	Urinary Bladder Extracellular Matrix Inhibits Tumor Formation
4:25 – 4:45 pm	Arnold I. Caplan, PhD Case Western Reserve University	MSCs: how they work and why(some surprises)
4:45 – 5:05 pm	Nikhil Gheewala, PhD <i>ACell, Inc.</i>	Developing a standard approach to evaluating the decellularization of biomaterial ECMs
5:05 pm	Adjourn	
6:00 – 7:30 pm	Poster Session & Wine Reception	Fairway Deck
Day 3: A	pril 30, 2016 (Saturday)	
7:00 – 8:00 am	Breakfast	Fairway Deck
Welcome		
8:00 – 8:05 am	Stephen F. Badylak, DVM, PhD, MD University of Pittsburgh	Silverado East
Keynote Addre	SS	
8:05 – 8:40 am	Laura E Niklason, MD, PhD Yale University	The Agony and the Ecstasy of Getting into the Clinic
Section V	BD hair: Bryan N. Brown, PhD University of P	ittsburgh

	Nadia Rosenthal, PhD Monash University, Australia	
8:40 – 9:05 am	The Jackson Laboratory, Bar Harbor	Immune control of cardiac repair
9:05 – 9:30 am	Jeffrey M. Davidson, PhD	Multiscale Properties of ECM Scaffolds
9.00 – 9.30 am	Vanderbilt University Medical Center C. James Kirkpatrick MD, PhD, DSc,	Multiscale Properties of ECM Scallous
	FRCPath	
	Johannes Gutenberg University,	
	Germany & University of Gothenburg,	Developing in vitro & in vivo models to study
9:30 – 9:55 am	Sweden	tissue reactions to biologic scaffolds
9:55 – 10:30 am	Break	Fairway Deck
	ble of the Macrophage in Bioscaffold Ir	
CI	hair: Charles D. Mills, PhD (BioMedical C	· · · · · · · · · · · · · · · · · · ·
		Macrophages. The Chicken and the Egg in
10.20 10.50 000	Charles D. Mills, PhD BioMedical Consultants	Immune Responses to Injury or Biologic Scaffolds
10:30 – 10:50 am	Biomedical Consultants	Th2 T cells are required for extracellular
	Kaitlyn Sadtler, BS	matrix-mediated functional muscle
10:40 – 11:00 am	Johns Hopkins University	regeneration
	, y	Macrophage phenotype profile regulated by
	Hui Li, PhD	tissue matrices for Screening of
11:00 – 11:20 am	Life Cell Corporation-Acelity	Biomaterials
	Samuel T. LoPresti, BS	Effect of Source Animal Age upon
11:20 – 11:40 am	University of Pittsburgh	Macrophage Response to ECM Scaffolds
	Wendy F. Liu, PhD	Regulation of macrophage function by
11:40 – 12:00 pm	University of California, Irvine	engineered biopolymer scaffolds
12:00 – 1:20 pm	Lunch	Fairway Deck
· · · · · · · · · · · · · · · · · · ·	ologic Scaffolds for CNS, Whole Organ	·
Saggion VII-	nair:	n, okin, and oarmage reconstruction
		Biologic Scaffold Treatment for Volumetric
	Jenna Dziki, BS	Muscle Loss: Results of a Thirteen Patient
1:20 – 1:40 pm	University of Pittsburgh	Cohort Study
		Decellularized Allogeneic Neurovascular
		Bundles for Reinnervation and
		Revascularization in
	Hilton Kaplan MBRCh ECSSA DhD	Soft and Hard Tissue Reconstruction, the
1:40 – 2:00 pm	Hilton Kaplan MBBCh, FCSSA, PhD Rutgers University	Rehabilitation of Massive Scarring, and Engineered Tissues
2.00 pm		Engineering a Clinically Relevant
	Jeff Ross, PhD	Transplantable Liver with Sustained In-Vivo
2:00 – 2:20 pm	Miromatrix Medical Inc.	Perfusion
	Karthikeyan Narayanan, PhD	
	Institute of Bioengineering and	Decellularized organs: Whole organ
2:20 – 2:40 pm	Nanotechnology, Singapore	construction with stem cells
	Ian L. Valerio, MD, MS, MBA	Application of bioartificial dermal
2:40 – 3:00 pm	Ohio State University Wexner Medical Center	regeneration templates for skin restoration in combat casualty injuries
2.40 – 3.00 pm	OCHIE!	Biomembrane from porcine cartilage
		extracellular matrix contributes
	Byoung-Hyun Min, MD, PhD	enhancement of efficacy of Microfracture for
	Byoung-Hyun Min, MD, PhD Ohio State University Wexner Medical	
3:00 – 3:20 pm		enhancement of efficacy of Microfracture for
3:00 – 3:20 pm	Ohio State University Wexner Medical	enhancement of efficacy of Microfracture for cartilage repair- Clinical results followed up
3:00 – 3:20 pm 3:20 – 3:45 pm	Ohio State University Wexner Medical	enhancement of efficacy of Microfracture for cartilage repair- Clinical results followed up

Session VIII:	TBD Chair:	
		Collagen Matrix: Structure & Function -
	Kenneth Burhop, PhD	Translating to New Opportunities in
3:45 – 4:05 pm	Integra LifeSciences	Regenerative Medicine
	Inna Kornienko, MS	
	Technologies of Moscow Institute of	Low-immunogenic matrix suitable for
4:05 – 4:25 pm	Physics and Technology	transplantation
		A Macrophage Centric Approach to the
	Bryan N. Brown, PhD	Evaluation of ECM Scaffolds for Tissue
4:25 – 4:50 pm	University of Pittsburgh	Reconstruction
1:50 5:00 pm	Stephen F. Badylak, DVM, PhD, MD University of Pittsburgh	Closing Romarks & Adjourn
4:50 – 5:00 pm	Oniversity of Fillsburgh	Closing Remarks & Adjourn

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