Eleventh Symposium on Biologic Scaffolds for Regenerative Medicine

Day 1: May	/ 6, 2021 (Thursday)	
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1:00 – 8:30 pm	Registration	Silverado Foyer
•	Keynote:	Engineered Matrix in the
F:20 6:20 nm	Laura E. Niklason, PhD, MD Yale University	Vascular System – Remodeling and Function
5:30 – 6:30 pm	Tale University	and Function
6:30 – 8:30 pm	Reception	Fairway Deck/Silverado East
Day 2: May	/ 7, 2021 (Friday)	
7:00 – 8:00 am	Breakfast	Fairway Deck
Welcome		
	Stephen F. Badylak, DVM, PhD, MD	
8:00 – 8:05 am	University of Pittsburgh	Silverado West
Plenary Session:	Fred Schoen, MD, PhD	Engineered Tissue Heart Valves: Rationale, Approaches and Translational
8:05 – 8:40 am	Harvard University	Challenges
Session I:	ECM-based Bioscaffolds and Cell: Matrix Session Chair: Neill Turner, PhD	Interactions
	Martin Birchall, MD	
8:40-9:10 am	University College of London	TBD
9:10 – 9:35 am	TBD	Vessuler and Derives suler Degulation of
	Cyrus Ghajar, PhD	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival,
9:35 – 10:00 am	Fred Hutchinson Cancer Research Center	Dormancy and Outgrowth in the Brain
10:00 – 10:20am	Break	Fairway Deck / Silverado East
Session II:	Immunomodulation, ECM and Clinical Ap Session Chair: George Hussey, PhD	plications
10:20 – 10:50am	Alberto Mantovani, MD Humanitas University	Macrophage Diversity and Plasticity in Tissue Remodeling and Repair
10:50 – 11:20 am	Jennifer Elisseeff, PhD Johns Hopkins University	Mapping the Regenerative Response to ECM Materials
11:20 – 11:50 am	Robert Rehnke, MD Center for Surgical Excellence	TBD
11:50 – 1:15pm	Lunch	Fairway Deck

Session III:	Cardiovascular Applications of ECM-based Materials Session Chair: Glenn Prestwich, PhD (tentative)	
1:15 – 1:45 pm	Karen Christman, PhD University of California San Diego	Infusible ECM for Treating Injured and Inflamed Tissue via Intravascular Administration
1:45 – 2:15 pm	Maddie Cramer, MS University of Pittsburgh	Matrix Bound Nanovesicles Protect against Cardiac Allograft Rejection
2:15 – 2:40 pm	Travis Block, PhD StemBioSys, Inc.	Cell-Derived Extracellular Matrix Supports Rapid Maturation of iPSC-Derived Cardiomyoctyes in a 2-D Culture
2:40 – 3:00 pm	Robert Matheny, MD CorMatrix Cardiovascular Inc.	Early Results from the FDA Extracellular Matrix (ECM) Cylindrical Tricuspid Valve Clinical Feasibility Trial
3:00 – 3:20 pm	Break	Fairway Deck / Silverado East
Session IV:	The Extracellular Matrix: Structure and F Session Chair: Kevin Healy, PhD (tentative)	
Plenary Session: 3:20 – 4:10 pm	Robert Mecham, PhD Washington University in St. Louis	Extracellular Matrix: Form and Function
4:10 – 4:35 pm	George Hussey, PhD University of Pittsburgh	Matrix Bound Nanovesicles: The Next Generation of ECM-based Biomaterials?
4:35 – 5:00 pm	Kirk Hansen, PhD University of Colorado	Matrix Remodeling in Pulmonary Hypertension
6:00 – 8:00 pm	Poster Session and Wine Reception	Fairway Deck/Silverado East

Day	/ 3-	May	8 2021	(Saturday)
Day	/ J.	IVIAY	0, 2021	(Saturday)

7:00 – 8:00 am	Breakfast	Fairway Deck
Welcome		
8:00 – 8:15 am	Stephen F. Badylak, DVM, PhD, MD University of Pittsburgh	Silverado West
Session V:	ECM, Skeletal Muscle and Cell Culture Session Chair: Kirk Hansen, PhD	
8:15 – 8:45 am	Kevin Healy, PhD University of California, Berkley	Semi-Synthetic Hyaluronic Acid-Based Hydrogels for Regeneration of Volumetric Muscle Loss Injuries
8:45 – 9:15 am	Raphael Crum University of Pittsburgh	Matrix Bound Nanovesicles for Rheumatoid Arthritis Therapy
9:15 – 9:45 am	Kevin Hopkins, MD Driscoll Children's Hospital	Clinical Experience in 107 Procedures with Allograft Adipose Matrix (AAM) Grafting in the Pediatric Patient
9:35 – 10:00 am	Alex Kasznel, PhD Smithfield Bioscience, Inc.	Expanding the Biologic Scaffold Toolbox Through Porcine Biomaterials
10:00 – 10:20 am		

10:20 – 10:50 am	Break	Fairway Deck/Silverado East	
Session VI:	Regulatory Challenges and Clinical Translation of ECM-based Products Session Chair: TBA		
	Glenn Prestwich, PhD	Meeting the Challenges Translating	
10:50 – 11:15 am	University of Utah	Hyaluronan Biomaterials into the Clinic	
	Nicholas Pashos, PhD	In Vivo Evaluation Acellular Nipple-Areola	
11:15 – 11:35 am	BioAesthetics	Complex Grafts for Nipple Reconstruction	
		Tissue-Engineered Augmentation of A Rotator Cuff Repair Using a Novel Bio-	
	Kevin Rocco, MS	Inductive Biocomposite Scaffold: A	
11:35 – 11:55 am	Biorez Inc.	Preliminary Study in Sheep	
11:55 – 1:15pm	Lunch	Fairway Deck	
	Tissue Source of ECM and More Immuno		
Session VII:	Session Chair: Arthi Shridhar, PhD		
		Generating Long Lasting Cancer Immunity	
	Matt Wolf, PhD	in the ECM Scaffold Microenvironment:	
1:15 – 1:35 pm	National Cancer Institute	Towards an ECM Cancer Vaccine	
	Kasinath Kuravi, PhD	Characterization of an Engineered Pig Intended as a Safer Source of Biological	
1:35 – 1:55 pm	Revivicor, Inc.	Scaffolds	
		A Closer look at the Immunogenicity of	
	Lori Sorrells	ECM surgical Products and Potential	
1:55 – 2:15 pm	Revivicor, Inc.	Alternatives	
	Caleb Vogt	Pre-aligned Muscle Microtissues for	
2:15 – 2:35 pm	University of Minnesota	Bioprinting Complex Fascicle Geometries	
0.25 0.55 pm	Proofs	Fairway Dook/Silvarada Foot	
2:35 – 2:55 pm	Break 3D Printed ECM Bioscaffolds	Fairway Deck/Silverado East	
Session VIII:	Session Chair: Robert Matheny (tentative)		
2:55 – 3:15 pm	TBD		
		Development and Evaluation of a Fully	
		Absorbable Poly-4-hydroxybutyrate	
	Devid Mentin, DhD	(P4HB) Electrospun Scaffold for Soft	
3:15 – 3:35 pm	David Martin, PhD Tepha	Tissue Reconstruction in a Rabbit Dorsal Model	
0.10 0.00 pm	Торпа	10 Years of Mastrisome Research: How	
		Big Data Can Help Advance Our	
	Alexandra Naba, PhD	Understanding of the Roles of the ECM in	
3:35 – 3:55 pm	University of Illinois at Chicago	Health and Science	
	Adam Feinberg, PhD	3D Printing of the Extracellular Matrix to	
0 55 4 45	Carnegie Mellon University	Rebuild Complex Tissues	
3:55 – 4:15 pm			
3:55 – 4:15 pm 4:15 – 4:35 pm			
•	Stephen F. Badylak, DVM, PhD, MD		