Eleventh Symposium on Biologic Scaffolds for Regenerative Medicine

Dou 4. Mos	. C. 2024 (Thursday)	
Day 1: May	y 6, 2021 (Thursday)	
1:00 – 8:30 pm	Registration	Silverado Foyer
	Keynote:	Engineered Matrix in the
5:20 6:20 pm	Laura E. Niklason, PhD, MD Yale University	Vascular System – Remodeling and Function
5:30 – 6:30 pm	Tale Utiliversity	and runction
6:30 – 8:30 pm	Reception	Fairway Deck/Silverado East
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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
		Translational Challenges in the
Plenary		Implementation of Tissue Engineering
Session:	Fred Schoen, MD	Heart Valves: Technical, Regulatory and
8:05 – 8:40 am	Harvard University	Other Considerations
Session I:	ECM-based Bioscaffolds and Cell: Matrix Session Chair: Neill Turner	Interactions
	Martin Birchall, MD	
8:40-9:10 am	University College of London	TBD
8:40-9:10 am		TBD
8:40-9:10 am 9:10 – 9:35 am		TBD
	University College of London	TBD Vascular and Perivascular Regulation of
9:10 – 9:35 am	University College of London TBD Cyrus Ghajar, PhD	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival,
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9:10 – 9:35 am 9:35 – 10:00 am	TBD Cyrus Ghajar, PhD Fred Hutchinson Cancer Research Center	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival, Dormancy and Outgrowth in the Brain Fairway Deck / Silverado East
9:10 – 9:35 am 9:35 – 10:00 am 10:00 – 10:20am Session II:	TBD Cyrus Ghajar, PhD Fred Hutchinson Cancer Research Center Break Immunomodulation, ECM and Clinical Applications Chair: George Hussey, PhD Alberto Mantovani, MD	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival, Dormancy and Outgrowth in the Brain Fairway Deck / Silverado East Oplications Macrophage diversity and in tissue
9:10 – 9:35 am 9:35 – 10:00 am 10:00 – 10:20am	TBD Cyrus Ghajar, PhD Fred Hutchinson Cancer Research Center Break Immunomodulation, ECM and Clinical Applications Chair: George Hussey, PhD Alberto Mantovani, MD Humanitas University	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival, Dormancy and Outgrowth in the Brain Fairway Deck / Silverado East oplications
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9:10 – 9:35 am 9:35 – 10:00 am 10:00 – 10:20am Session II: 10:20 – 10:50am 10:50 – 11:20 am	TBD Cyrus Ghajar, PhD Fred Hutchinson Cancer Research Center Break Immunomodulation, ECM and Clinical Applications Chair: George Hussey, PhD Alberto Mantovani, MD Humanitas University Jennifer Elisseeff, PhD Johns Hopkins University	Vascular and Perivascular Regulation of Disseminated Tumor Cell Survival, Dormancy and Outgrowth in the Brain Fairway Deck / Silverado East Oplications Macrophage diversity and in tissue remodeling and repair TBD
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Session III:	Cardiovascular Applications of ECM-bas Session Chair: Glenn Prestwich (tentative)	
4.45 4.45 222	Karen Christman, PhD	TDD
1:15 – 1:45 pm	University of California San Diego	TBD
1:45 – 2:15 pm	Maddie Cramer	Matrix Bound Nanovesicles Protect against Cardiac Allograft Rejection
		Cell-Derived Extracellular Matrix Supports Rapid Maturation of iPSC-Derived
2:15 – 2:40 pm	Travis Block	Cardiomyoctyes in a 2-D Culture
2:40 2:00 pm	Dobort Mathany	Early Results from the FDA Extracellular Matrix (ECM) Cylindrical Tricuspid Valve
2:40 – 3:00 pm	Robert Matheny	Clinical Feasibility Trial
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3:00 – 3:20 pm	Break	Fairway Deck / Silverado East
3:00 – 3:20 pm Session IV:	The Extracellular Matrix: Structure and F Session Chair: Kevin Healy (tentative)	
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Session IV: Plenary Session:	The Extracellular Matrix: Structure and F Session Chair: Kevin Healy (tentative) Robert Mecham, PhD	Function
Session IV: Plenary Session: 3:20 - 4:10 pm	The Extracellular Matrix: Structure and F Session Chair: Kevin Healy (tentative) Robert Mecham, PhD Washington University in St. Louis George Hussey, PhD	Extracellular Matrix: Form and Function Matrix Bound Nanovesicles: The Next

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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	
		Semi-Synthetic Hyaluronic Acid-Based
8:15 – 8:45 am	Kevin Healy	Hydrogels for Regeneration of Volumetric Muscle Loss Injuries
8:45 – 9:15 am	Raphael Crum	Matrix Bound Nanovesicles for Rheumatoid Arthritis Therapy
9:15 – 9:45 am	Kevin Hopkins	Clinical Experience in 107 Procedures with Allograft Adipose Matrix (AAM) Grafting in the Pediatric Patient
9:35 – 10:00 am	Zhenyu Wang	Expanding the Biologic Scaffold Toolbox Through Porcine Biomaterials
10:00 – 10:20 am	Alexandra Naba University of Illinois at Chicago	TBD
10:20 – 10:50 am	Break	Fairway Deck/Silverado East

Session VI:	Regulatory Challenges and Clinical Trans Session Chair: TBA	slation of ECM-based Products	
		Meeting the Challenges Translating	
10:50 – 11:15 am	Glenn Prestwich	Hyaluronan Biomaterials into the Clinic	
		In Vivo Evaluation Acellular Nipple-Areolar	
11:15 – 11:35 am	Nicholas Pashos	Complex Grafts for Nipple Reconstruction	
		Tissue-Engineered Augmentation of A Rotator Cuff Repair Using a Novel Bio-	
		Inductive Biocomposite Scaffold: A	
11:35 – 11:55 am	Kevin Rocco	Preliminary Study in Sheep	
11:55 – 1:15pm	Lunch	Fairway Deck	
Session VII:	Tissue Source of ECM and More Immunomodulation Session Chair: Arthi Shridhar		
		Generating Long Lasting Cancer Immunity	
1:15 – 1:35 pm	Matt Wolf	in the ECM Scaffold Microenvironment: Towards an ECM Cancer Vaccine	
еее р		Characterization of an Engineered Pig	
		Intended as a Safer Source of Biological	
1:35 – 1:55 pm	Kasinath Kuravi	Scaffolds	
		A Closer look at the Immunogenicity of ECM surgical Products and Potential	
1:55 – 2:15 pm	Lori Sorrells	Alternatives	
•		Pre-aligned Muscle Microtissues for	
2:15 – 2:35 pm	Caleb Vogt	Bioprinting Complex Fascicle Geometries	
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2:35 – 2:55 pm	Break	Fairway Deck/Silverado East	
Session VIII:	3D Printed ECM Bioscaffolds Session Chair: Robert Matheny (tentative)		
2:55 2:15 pm	TBD		
2:55 – 3:15 pm	TUU	Development and Evaluation of a Fully	
		Absorbable Poly-4-hydroxybutyrate	
		(P4HB) Electrospun Scaffold for Soft	
3:15 – 3:35 pm	David Martin	Tissue Reconstruction in a Rabbit Dorsal Model	
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3:35 – 3:55 pm	TBD		
	Adam Feinberg, PhD	3D Printing of the Extracellular Matrix to	
3:55 – 4:15 pm	Carnegie Mellon University	Rebuild Complex Tissues	
4:15 – 4:35 pm			
4.10 – 4.00 pm			
4.10 – 4.00 pm	Stephen F. Badylak, DVM, PhD, MD		
4:35 – 4:45 pm	Stephen F. Badylak, DVM, PhD, MD University of Pittsburgh	Closing Remarks	