

Cellular and Tissue Engineering Symposium | Poster Session Directory | June 8, 2023

#	Presenter Name	Poster Title
1	Lauren Liebman	Surgical Disruption of the Tumor-draining Lymphatic Network Suggests Altered Drainage Routes in a Bilateral Melanoma Model
2	Sam Lucas	Thermosensitive Hydrogel Enabling Sustained Lymph Node-targeted Micelle Delivery for Cancer Immunotherapy
3	Yarelis Gonzalez	Reverse Engineered Lymphatic Malformation Organoids from Patient-derived Tissue Explants Highlights Heterogeneity of Lymphatic Disease and Response to Treatment
4	Alicia Robang	Structural Effects of Receptor-binding Domains on Designer Amyloid β -sheet Self-assembly
5	Katherine Nguyen	A High-throughput Degradation Assay using Mimetic Neutrophil Extracellular Traps
6	Makala Faniel	Bispecific Molecules Linking T Cell Receptor and Tumor Antigen for Cancer Immunotherapy
7	Vanessa Dartora	Chitosan Hydrogels Containing MK2 Inhibitor Peptide-loaded Nanoparticles to Facilitate Percutaneous Absorption and Dampen Local Inflammation for Atopic Dermatitis Treatment
8	Aaron Silva	DNA-gated Cytometry for Scarless Isolation of Antigen-specific T cells
9	Savi Agarwal	Determining Alternate Endothelial Cell Sources to Develop a Microvascular Network Within a Three-dimensional Microfluidic On-a-Chip Model of the Human Bone Marrow
10	Chloé Thiveaud	Lipid Nanoparticle Delivery of Synthetic Antigens to Sensitize Solid Tumors to CAR-mediated Cytotoxicity
11	Keshav Shah	Enzymatically-degradable Hydrogel Microcarriers Modulate Mesenchymal Stromal Cell Secretome
12	Laura Casas	Mechanical Behavior of Optically Controlled Motor-free Cytoskeletal Networks under Biomimetic Confinement
13	Pooja Datta Roy	Characterizing Glymphatic Flow after Mild Repetitive Traumatic Brain Injury
14	Cydney Wong	Developing a Rigorous Method for AFM Force Mapping of Optic Nerve Tissue
15	Ashley Alva	Tracking Macrophages with Ultrasound
16	Hoseyn Amiri	Leveraging Flow Simulations of Microfluidic Cell Sorting to Tune Cell Trajectories by Altering Device Geometry
17	Gabriela Sanchez	Age and Ovariectomy Affect Retinal Gene Expression of TGF- β , TNF- α , and ECM Related Pathways
18	Mikayla Rahman	Melt Casting Approaches for Solvent-free Microneedle Patch Fabrication
19	Daniel Feng	HL60-derived Neutrophils Transmigration through Endo-epithelial Bilayer
20	Valeria Juarez	Hydrolytically Degradable Microgels for Immune Cell Encapsulation
21	Daniel Shah	Sphingolipid Perturbed MSC-derived Exosomes for Potential Therapeutic Applications
22	Vishal Manickam	Engineering Synthetic Breath Biomarkers for Monitoring Chronic Disorders and Therapeutic Response
23	Manuel Quiñones	PEG-Norbornene Hydrogels for Cell Photopatterning in Synthetic Immune Tissues