

2025 TERMIS-AM Conference
Detroit, Michigan
November 9-12, 2025



Poster No	Rapid Fire No	Rapid Fire Session	Category	Title	Poster Presenter	
C50			Skin, Wound Healing, and Inflammation	Effect Of Hydrolyzed Collagen On Cell Proliferation In In Vitro Wound Healing Studies	Tiffany	Sanchez
C51			Skin, Wound Healing, and Inflammation	In Vitro Evaluation Of Biasurge® Advance Surgical Solution For Biofilm Prevention And Material Compatibility In Orthopedic Applications	Preethi	Sivaswaamy Mohana
C52	RF-27	Session 19: Rapid Fire II	Skin, Wound Healing, and Inflammation	Role Of Estrogen Signaling In Skin Aging And Repair	Helena	Zomer
C53			Women's Health	3d Bioprinted Autologous Vaginal Tissue Constructs For Personalized Vaginal Reconstruction	Ji	Hyun Kim
C54			Women's Health	Characterization Of Bulk Viscoelastic And Mechanical Properties Of Healthy Human Donated Fallopian Tube And Their Local Heterogeneity	Raneem	Ahmad
C55			Women's Health	Characterization Of Fallopian Tube Ciliated Epithelial Cells Under Fluid Shear Stress	Isha	Bhorkar
C56			Women's Health	Engineering A 3D Printed Microfluidic Early Gestation Placenta-on-chip	Chishiba	Chilimba
C57			Women's Health	Determining The Effect Of Klotho Protein On Wound Healing In An In Vitro Model Of Pre-fibrotic Uterine Injury	Chloe	Hincher
C58			Women's Health	Synthetic Extracellular Matrix-based Endometriotic Lesion Model And Effects Of Hormonal Conditioning On Endometriotic Markers Paep And Il20-ra	Jinal	Mehta
C59	RF-48	Session 27: Rapid Fire III	Women's Health	Reconstructing The Uterine Microenvironment Using A Tunable 3d Hydrogel Platform For Investigation Of Early Embryonic Morphogenesis In Pigs	Angle	Pannier
C60	RF-49	Session 27: Rapid Fire III	Women's Health	Fibrous Hydrogels Facilitate Matrix Remodeling In The Culture Of Human Ovarian Stromal Cells	Taylor	Schissel
C61	RF-47	Session 27: Rapid Fire III	Women's Health	Coaxial PHB-SF Electrospun Scaffolds With Optimized Mechanical And Biological Properties For Pelvic Floor Reconstruction	Rebecca	Thomson
C62			Women's Health	Mechanical And Structural Changes Due To Enzymatic Degradation Of Polyhydroxybutyrate-Silk Fibroin Electrospun Scaffolds	Rebecca	Thomson
C63			Women's Health	Engineering A Vascularized Ovary-on-a-chip Microfluidic Platform To Study Early Folliculogenesis And Ovarian Angiogenesis	Bhavya	Vats
C64			Women's Health	Studying Embryo Development Using Ex Vivo Mouse Uterine Perfusion	Jittanan	Nakpu
C65			Biofabrication	Development Of A Stable And Effective Off-the-shelf Wound Care Treatment For Combat Burn Injuries: A Preclinical Large Animal Study	Young Min	Ju
C66			Bioreactors & Organs-on-Chips	Portable Perfusion System With Integrated Incubation That Recapitulates Biomimetic Flow Conditions	Emmett	Reid
C67	RF-18	Session 5: Rapid Fire I	Cardiovascular/Angiogenesis /Blood	4d Bioprinting Of Magnet-integrated Tissue Construct To Mimic Hierarchical Architecture Of Left Ventricle	Hwanyong	Choi
C68			Musculoskeletal	Functional Heterogeneity Of Muscle Progenitor Cells In 3d Engineered Skeletal Muscle	Keely	Laurence
C69			Neural & Spine	Dual-crosslinked Thiolated Chitosan-stearic Acid With Citric Acid Injectable Hydrogel: A Novel Approach In Neural Tissue Engineering	Manini	Bhatt
C70			Scaffolds, Matrices, and Biomaterials	Development Of A Conductive Fish Gelatin-based Bioink For The Fabrication Of Cardiac Tissue Constructs	Jonah	Damian
C71			Scaffolds, Matrices, and Biomaterials	Chemokine-Induced Cell Recruitment For Biomaterial Applications	Connor	Joyce
C72			Skin, Wound Healing, and Inflammation	Low-frequency, Low-intensity Ultrasound Stimulates Angiogenesis In 3D Collagen Scaffold	Andie	McCullough
C73			Low Earth Orbit/ISS	Preparing Tissue-Engineered Co-Culture For Launch: Solutions For Maintaining Tissue-Engineered Constructs On The ISS	Hayleigh	Kahn