



# Tissue Engineering and Regenerative Medicine International Society (TERMIS) European Chapter Conference 2022

## Tuesday, June 28, 2022

**S07-1 Advances in cardiac tissue engineering: in vitro platforms and in vivo regeneration - Room: S3 A (11:00 AM - 12:30 PM)**

-Conveners: Michael Monaghan; Valeria Chiono

time	[id] title	presenter
11:00 AM	[947] Lessons learned on how (not to) build a heart	PASQUALINI, Francesco
11:20 AM	[950] MECHANICAL AND TOPOLOGICAL CUES TO ENHANCE DE NOVO EXTRACELLULAR MATRIX ELABORATION IN ELASTOMERIC SCAFFOLD MODELS.	D'AMORE, Antonio
11:40 AM	[95] Convergency of dual extrusion bioprinting and melt electrowriting allows for vascularized cardiac patch fabrication	AINSWORTH, Madison J.
11:50 AM	[92] Allogeneic stem cells and immunomodulatory biomaterials for cardiac tissue engineering	DHINGRA, Sanjiv
12:00 PM	[96] A Micro-Precision Electro Array ( $\mu$ PEA) platform integrated within a mechanically active heart-on-chip for modelling Dilated Cardiomyopathy	LOZANO-JUAN, Ferran
12:10 PM	[101] CARDIAC TISSUE-LIKE 3D MICROENVIRONMENT ENHANCES THE DIRECT REPROGRAMMING PATH OF HUMAN FIBROBLASTS INTO INDUCED CARDIOMYOCYTES BY MICRORNAs	PAOLETTI, Camilla
12:20 PM	[102] TISSUE ENGINEERED CARDIAC PATCHES FOR THE TREATMENT OF POST-MI HEART FAILURE USING NATURAL POLYMERS AND HUMAN IPSC-DERIVED CELLS	FRICKER, Annabelle