



# 2025 International Conference on Biofabrication

## Tuesday 16 September 2025

### S35 Stretching the Frontiers: Advanced Applications of Biofabricated Skeletal Muscle - Kisielewski (11:00 - 12:30)

-Conveners: Sahar Salehi-Müller; Nehar Celikkin

time	[id] title	presenter
11:00	[26] Perivascular stem cells and 3D printing for human myo-substitutes biofabrication	GARGIOLI, Cesare
11:20	[473] Bioprinting Perfusable and Vascularized Skeletal Muscle Flaps for the Treatment of Volumetric Muscle Loss	LEVENBERG, Shulamit
11:40	[282] Non-genetic photostimulation to enhance maturation of biofabricated skeletal muscle.	MAIULLARI, Fabio
11:50	[281] Alginate-dialdehyde–gelatin (ADA-GEL) based composite hydrogels for skeletal muscle biofabrication: development with an ionic medicine strategy	LU, Hsuan-heng
12:00	[280] Replicating skeletal muscle contraction dynamics in two-photon-3D printed hydrogel fibers	KUEHN, Theresa
12:10	[375] G-FLight: Prolonged cell encapsulation and rapid filamented light biofabrication of aligned muscle tissue constructs in microgravity	WINKELBAUER, Michael
12:20	[278] Biofabrication of a hierarchically organized structure of skeletal muscle tissue	SALEHI-MUELLER, Sahar