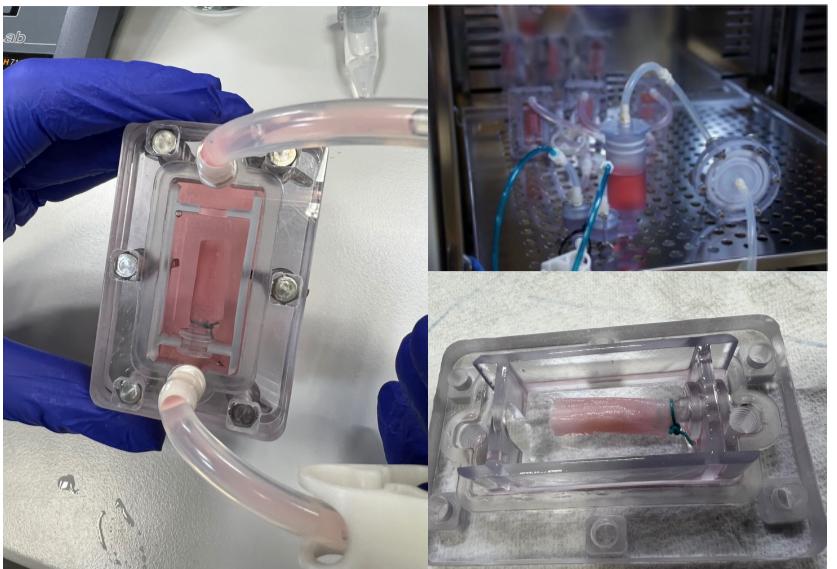


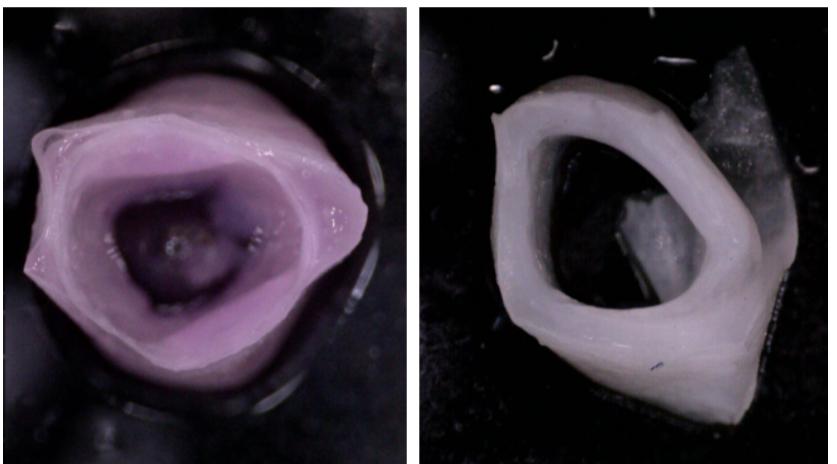
# Bioreactors for 3D tissue constructs

## Tubular constructs

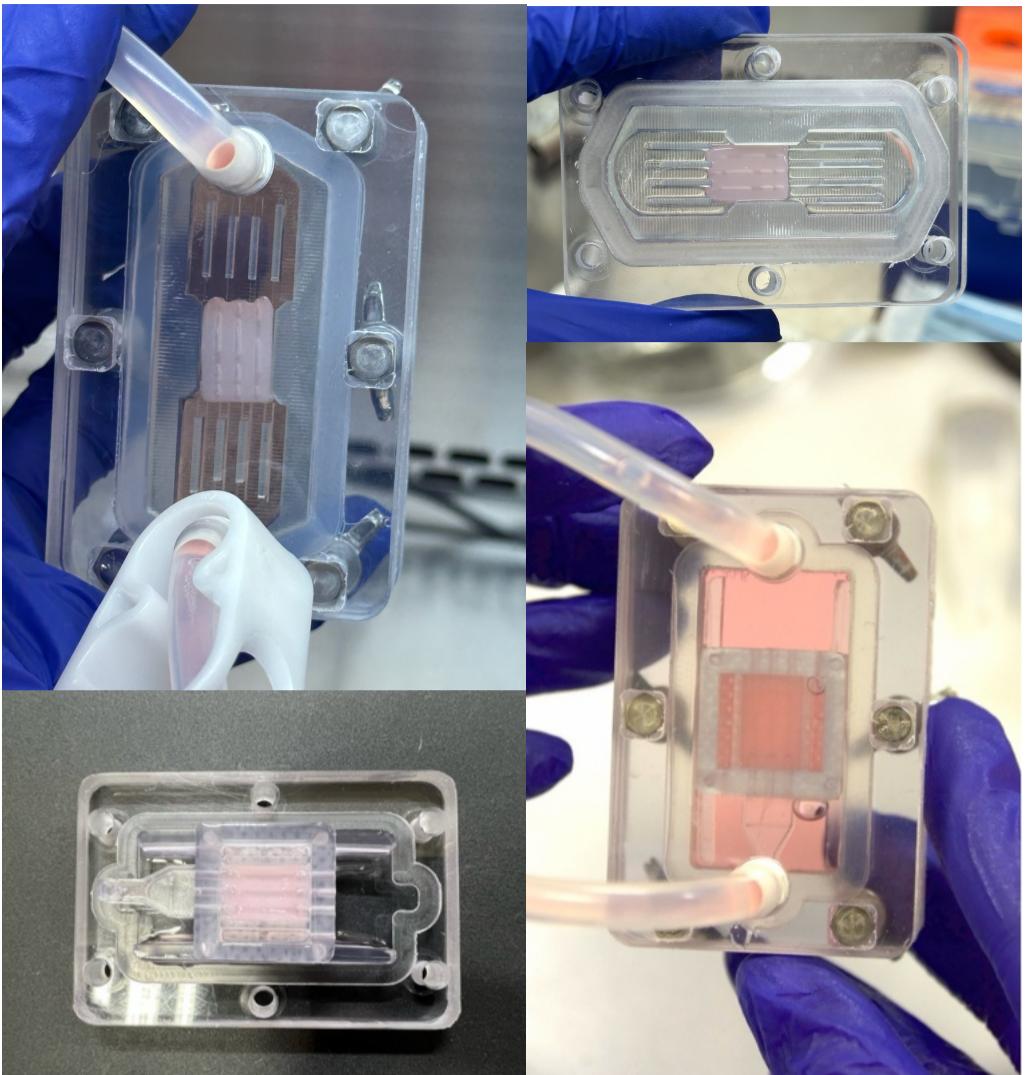


Non-matured structure

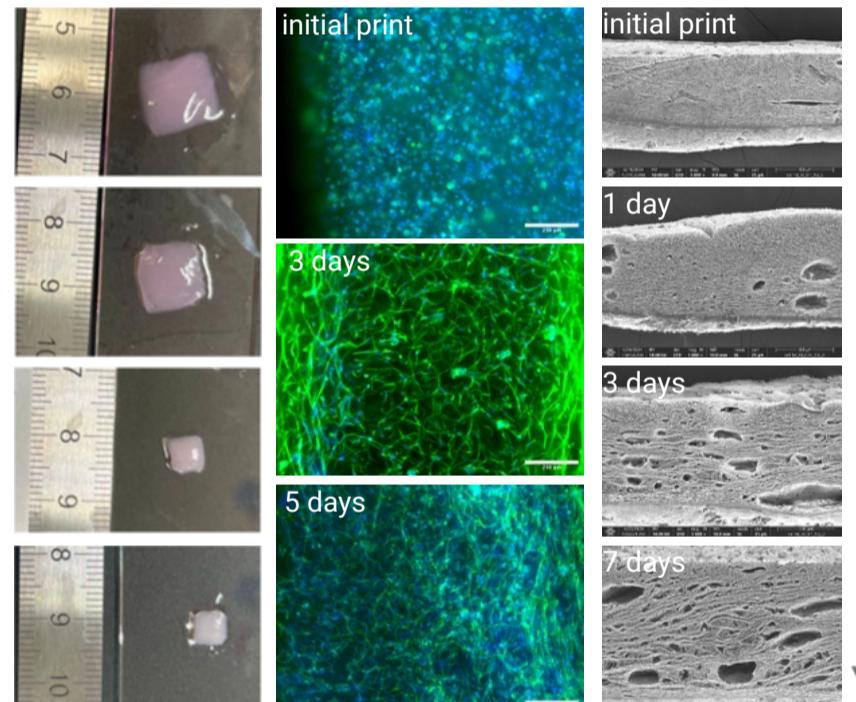
Matured structure



## Constructs with microchannels



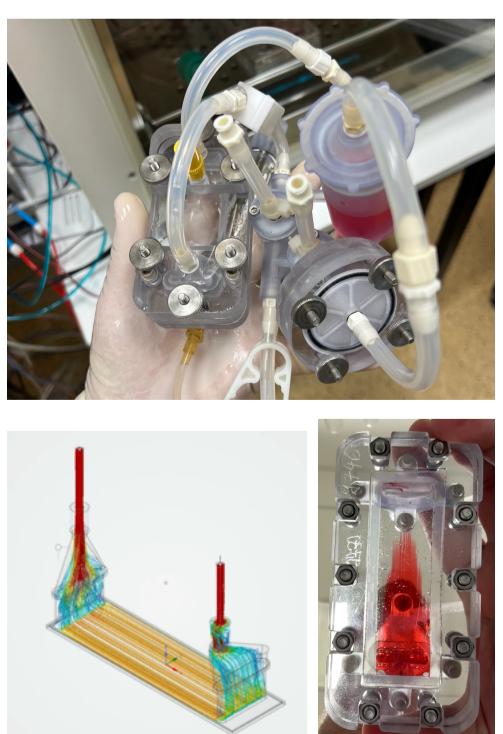
## Culture chamber ecosystem



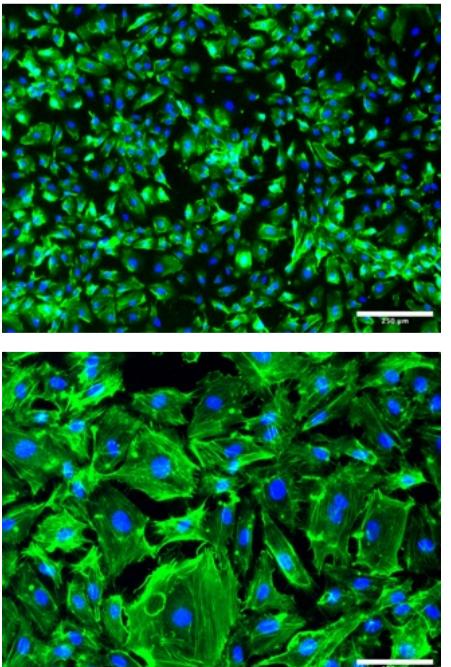
Scaffold remodeling

# Bioreactors for 2D cell cultures

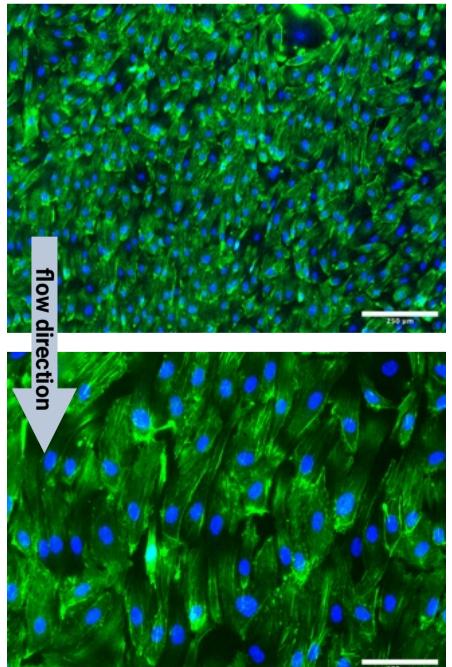
## Maturation of endothelial layers



Static cultivation

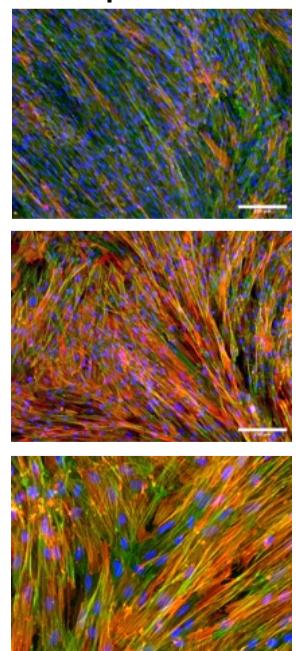


Dynamic cultivation

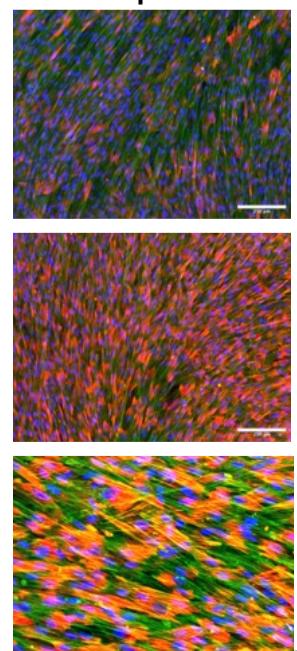


## Differentiation into SMC phenotype

Alpha Actin



Calponin



Phenotype development over time