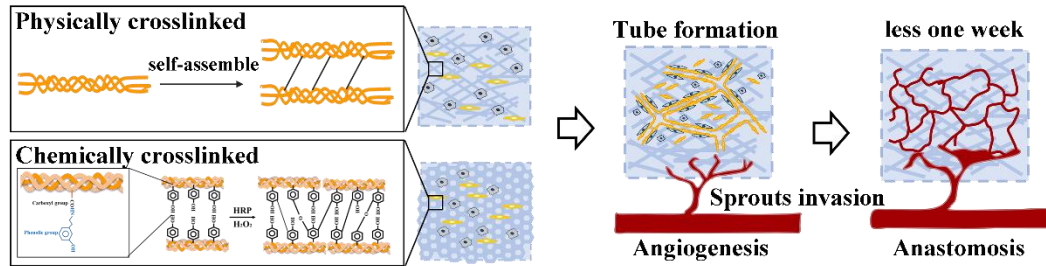


Prof. Shih-Yen Wei

Biomaterials & Tissue Engineering Lab

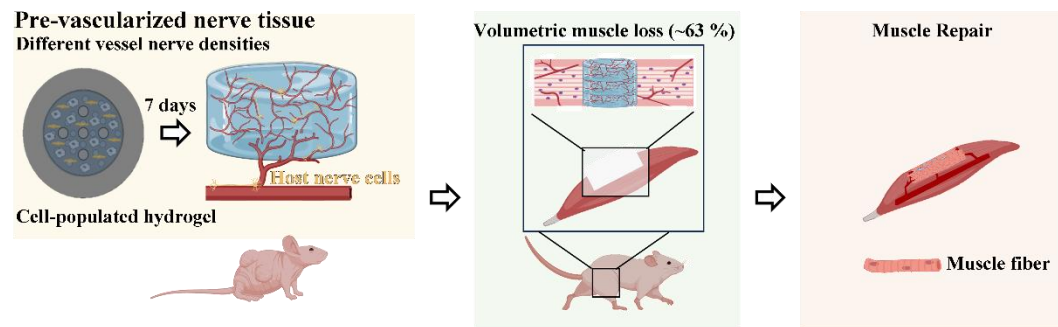
(a) ECs/MSCs-mediated vascularized soft tissue in collagen-based hydrogel

(化學與物理交聯膠原蛋白水凝膠 調控內皮細胞與間葉幹細胞生成血管化組織)



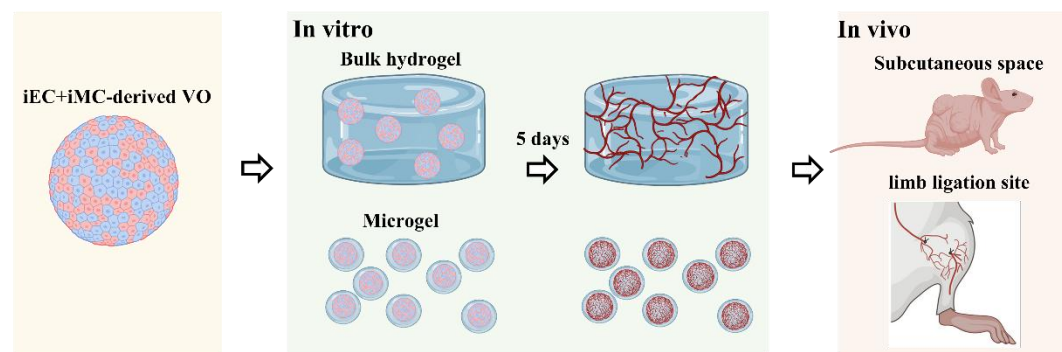
(b) Pre-vascularized tissue enhance volumetric muscle loss

(預血管化組織促進體積性肌肉損傷修復)



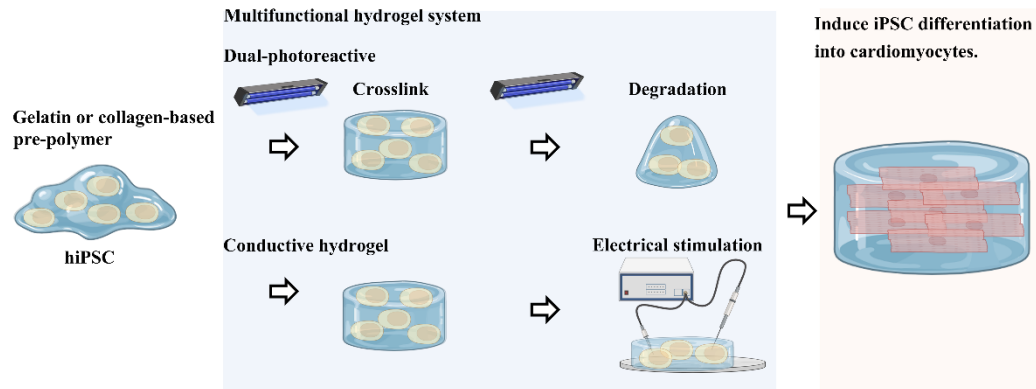
(c) Application of iEC + iMC-derived vascularized organoid (VO)

(iEC 與 iMC 型成之血管化類器官 (VO) 之應用)



(d) Developing functional biomaterials to promote iPSC differentiation into cardiomyocytes.

(開發功能性生醫材料調控iPSC分化成心肌細胞)



(e) The application of vascularized cardiac organoid. (血管化心肌類器官的應用)

