

RESEARCH ARTICLE

Hybrid biofabrication of neurosecretory structures as a model for neurosecretion

Supplementary File

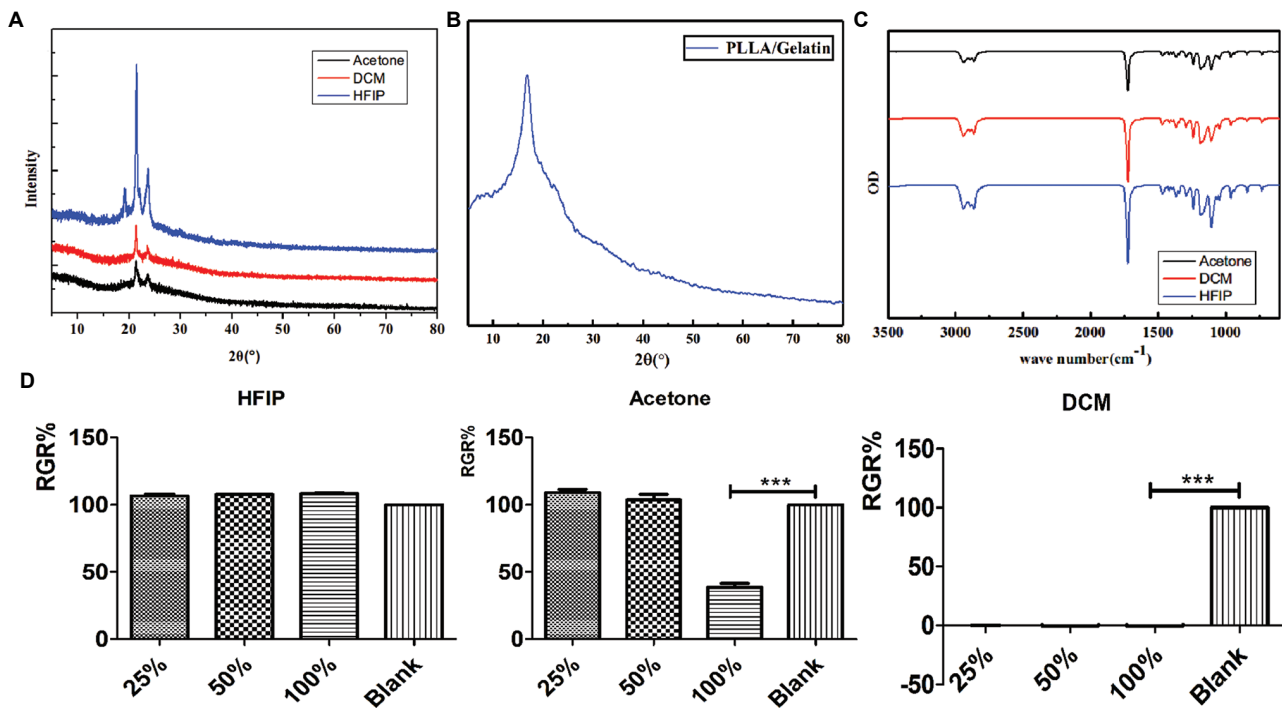


Figure S1. Screening of electrospinning solvents. (A and B) X-ray crystallography of poly-L-lactic acid (PLLA)/gelatin in different solvents. (C) Fourier-transform infrared spectroscopy of PLLA/gelatin in different solvents. (D) Cytotoxicity of extracts from PLLA/gelatin electrospun membranes.

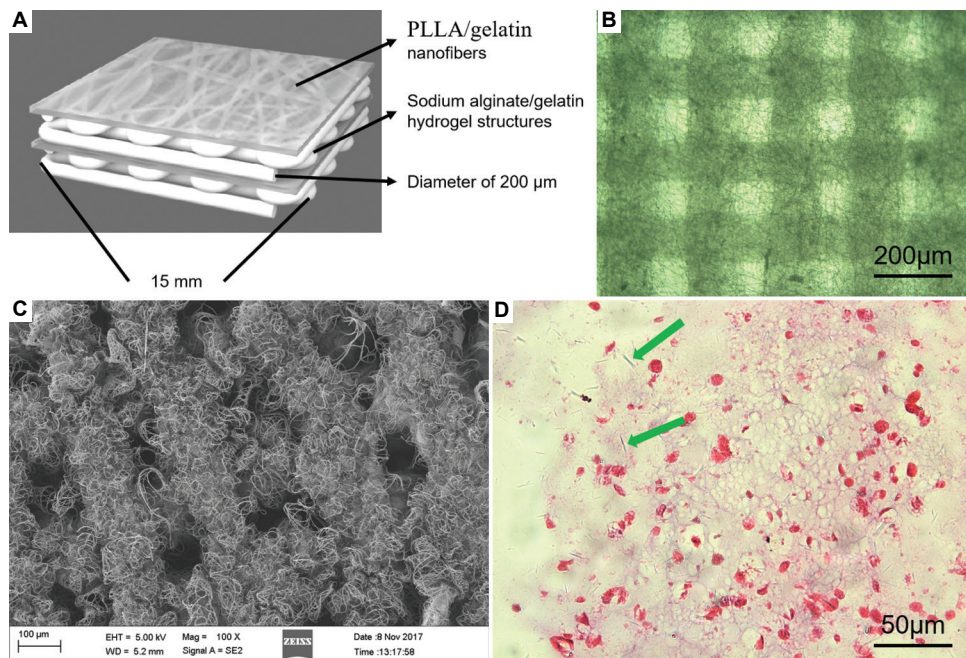


Figure S2. Hybrid biofabricated tissue-like structure. (A) Schematic diagram of hybrid biofabricated tissue-like structure. (B) Hybrid biofabricated tissue-like structure is seen under the microscope. (C) Hybrid biofabricated tissue-like structure is seen under the transmission electron microscopy. (D) A few broken nanofibers were observed in the pathological sections (green arrow).

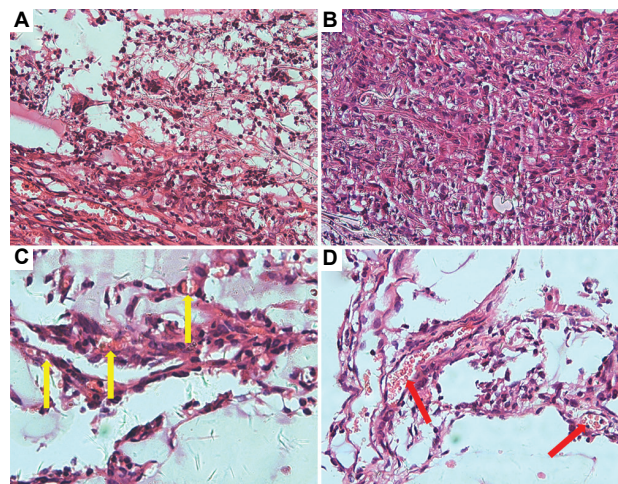


Figure S3. Immune infiltration and tissue remodeling. (A) Local immune infiltration after *in vivo* transplantation of hybrid biofabricated structure. (B) The process of tissue remodeling is accompanied by inflammatory infiltration. (C) Angiogenesis (yellow arrow). (D) Neovascularization (red arrow).