

Electronic Supplementary Information

The Aligned Core-Sheath Nanofibers with Electrical Conductivity for Neural Tissue Engineering[†]

Jianguang Zhang^a, Kexin Qiu^{a,b}, Binbin Sun^a, Jun Fang^{a,b}, Kuihua Zhang^c, Hany A. El-Hamshary^d, Salem S. Al-Deyab^d, Xiumei Mo^{a,b*}

^aCollege of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai, 201620, People's Republic of China

^bState Key Laboratory for Modification of Chemical Fibers and Polymer Materials, College of Materials Science and Engineering, Donghua University, Shanghai, 201620, People's Republic of China

^cDepartment of Polymer Materials, College of Materials and Textile Engineering, Jiaxing University, Zhejiang, 314001, People's Republic of China

^dDepartment of Chemistry, College of Science, King Saud University, Riyadh 11451, Kingdom of Saudi Arabia

* Corresponding author at: College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, 2999 North Renmin Road, Shanghai 201620, P. R. China. E-mail address: xmm@dhu.edu.cn (X. M. Mo)

Coaxial Electrospinning

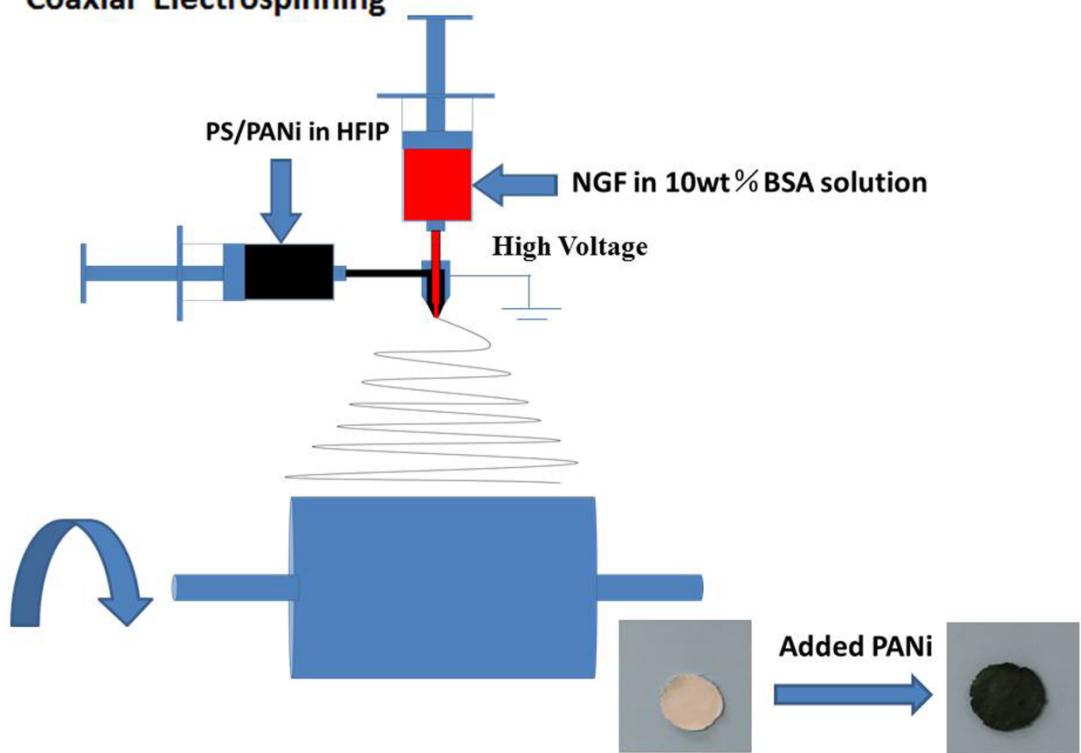


Fig.S1 Schematic diagram of coaxial electrospinning nanofiber processing for core-shell aligned PS/PANI nanofibrous mesh and the color of the mesh without and with PANi.

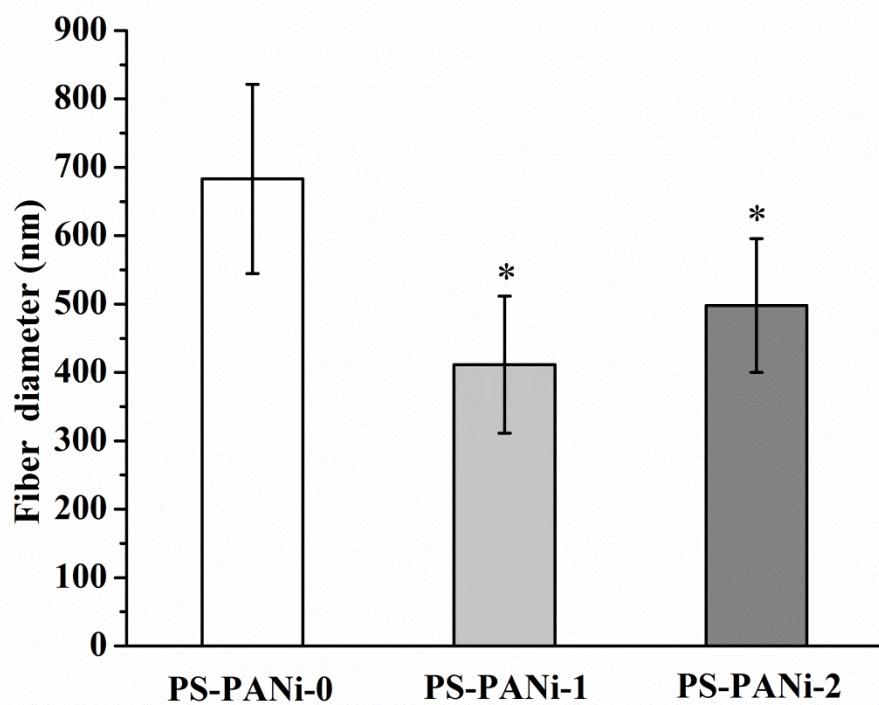


Fig.S2 The average diameter of PS/PANI nanofibers (*= significantly different in comparison with PS-PANI-0, $P < 0.05$, $n=100$).