Electronic Supplementary Information

The Aligned Core-Sheath Nanofibers with Electrical Conductivity

for Neural Tissue Engineering†

Jianguang Zhang\textsuperscript{a}, Kexin Qiu\textsuperscript{a,b}, Binbin Sun\textsuperscript{a}, Jun Fang\textsuperscript{a,b}, Kuilihua Zhang\textsuperscript{c}, Hany A. EI-Hamshary\textsuperscript{d}, Salem S. Al-Deyab\textsuperscript{d}, Xiumei Mo\textsuperscript{a,b,*}

\textsuperscript{a}College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai, 201620, People’s Republic of China
\textsuperscript{b}State 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
\textsuperscript{c}Department of Polymer Materials, College of Materials and Textile Engineering, Jiaxing University, Zhejiang, 314001, People’s Republic of China
\textsuperscript{d}Department 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)
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, $P < 0.05$, $n=100$).