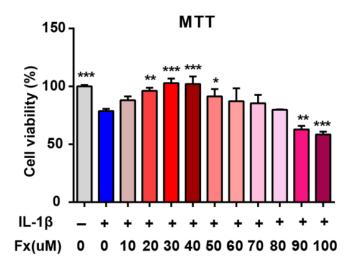
Supplementary information

ROS-responsive PPGF Nanofiber Membrane as a Drug Delivery System for Long-term Drug Release in Attenuation of Osteoarthritis

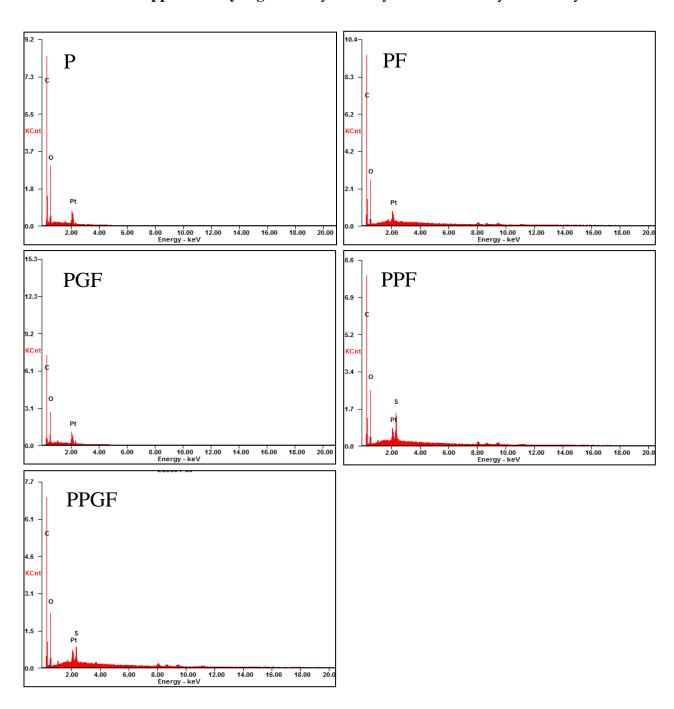
Jianjun Wu^{#1,2}, Zainen Qin^{#1,2,3}, Xianfang Jiang^{#4}, Depeng Fang^{1,2}, Zhenhui Lu*^{1,2,3}, Li Zheng*^{1,2,3}, Jinmin Zhao*^{1,2,5}

Jianjun Wu, Zaineng Qin and Xianfang Jiang contributed equally to this work.

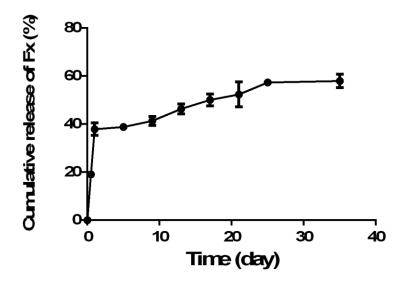
* Co-Corresponding authors: Zhenhui Lu (Zhenhuilu1989@163.com), Li Zheng (zhengli224@163.com) and Jinmin Zhao (zhaojinmin@126.com)



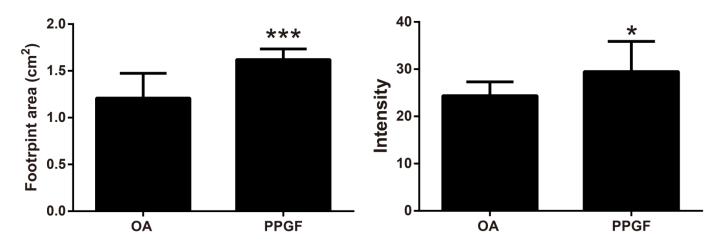
Supplementary Fig. 1 The cytotoxicity of Fx detected by MTT assay.



Supplementary Fig. 2 Energy-dispersive spectrometry (EDS) spectrum of nanofiber membranes.



Supplementary Fig. 3 The release profile of Fx from the rGO.



Supplementary Fig. 4 Footprint area and intensity after therapy for 4 weeks were recorded and analyzed by VisuGait software (Mean \pm SD, n=5; *means p<0.05, *** means p<0.001).