

Supplementary Information

In situ grown ultrathin and robust protein nanocoating for mitigating thromboembolic in cardiovascular medical devices

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Supplementary Figures

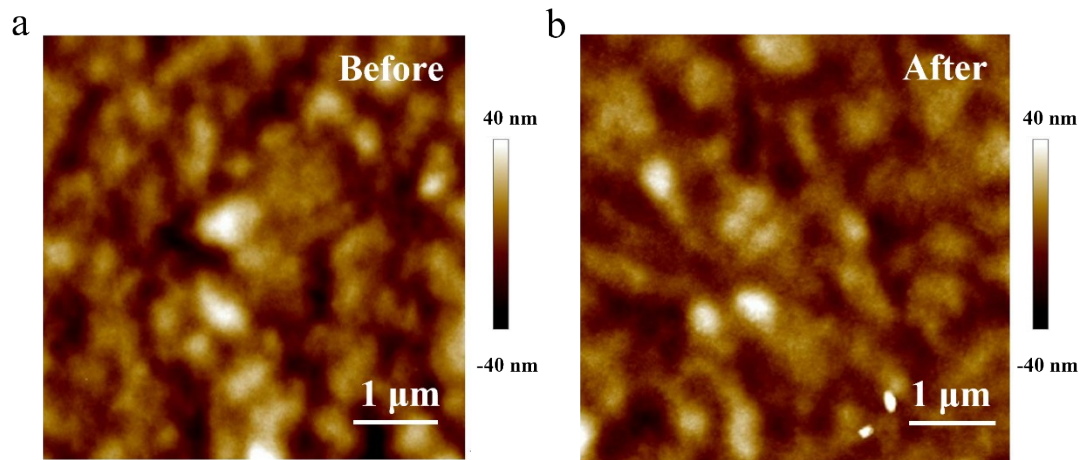


Fig. S1 AFM images of SF/Ly nanocoating on silicon wafer (a) before and (b) after treatment by ultrasound (100 W, 30 min) in water.

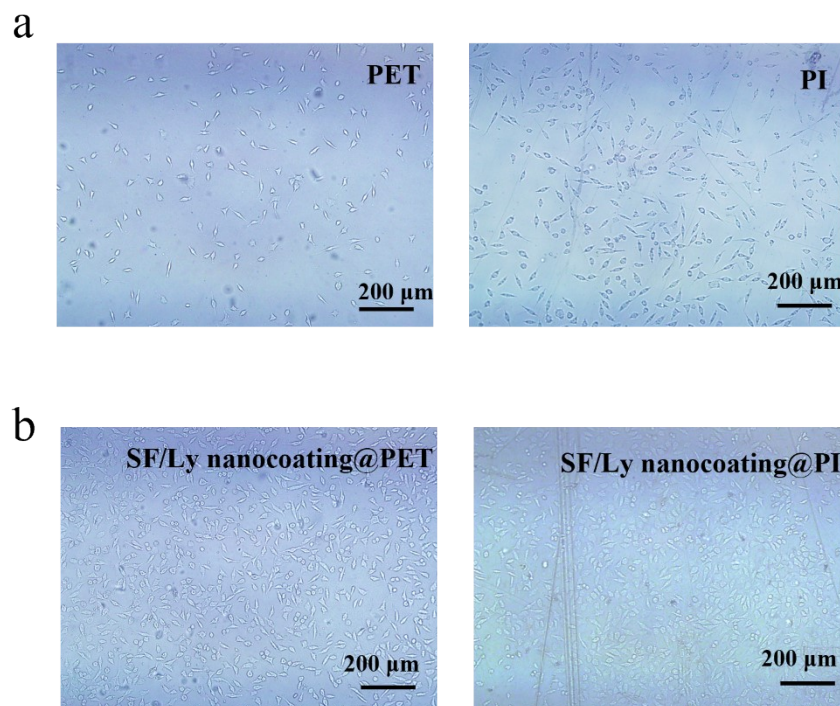


Fig. S2 Fluorescence images of L929-laden (a) original substrates and (b) SF/Ly nanocoating@substrates after 48 h of culturing. Cells were stained using a live/dead viability/cytotoxicity kit.

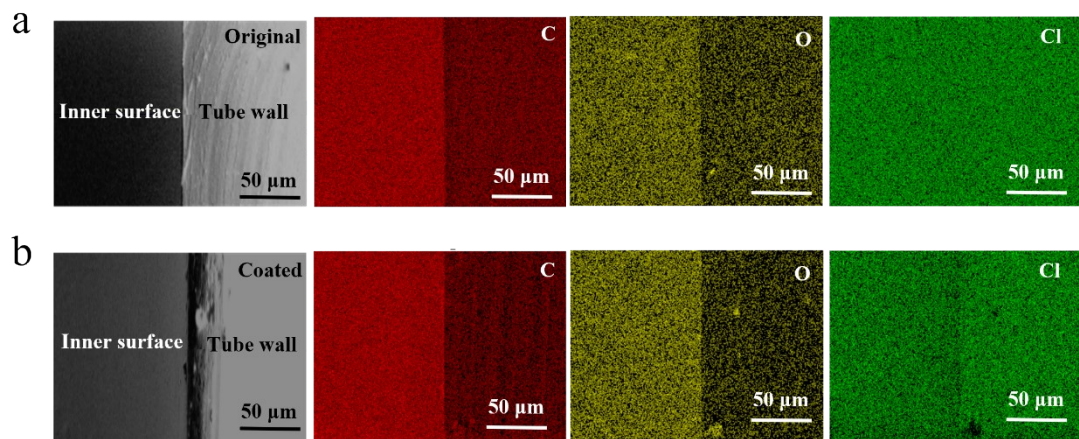


Fig. S3 SEM images and corresponding EDS mapping images of (a) PVC tube and (b) SF/Ly nanocoating@PVC tube.

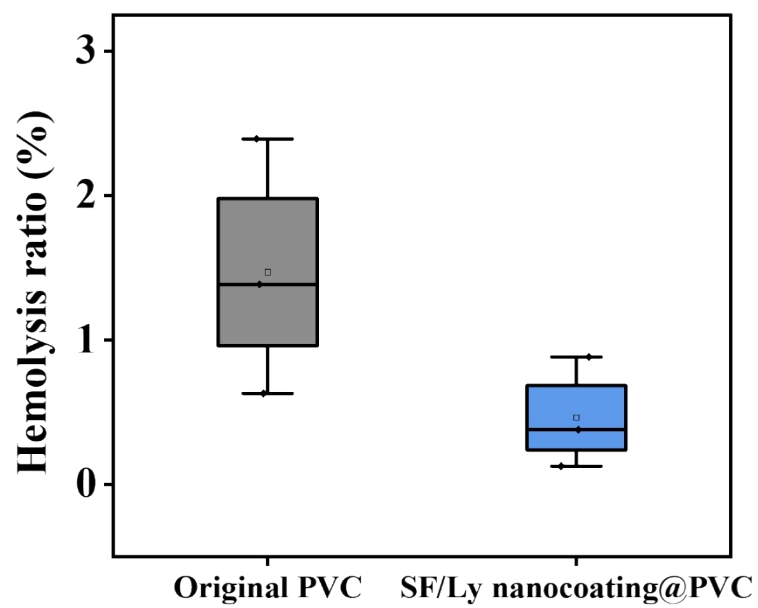


Fig. S4 Hemolytic assay of PVC and SF/Ly nanocoating@PVC.

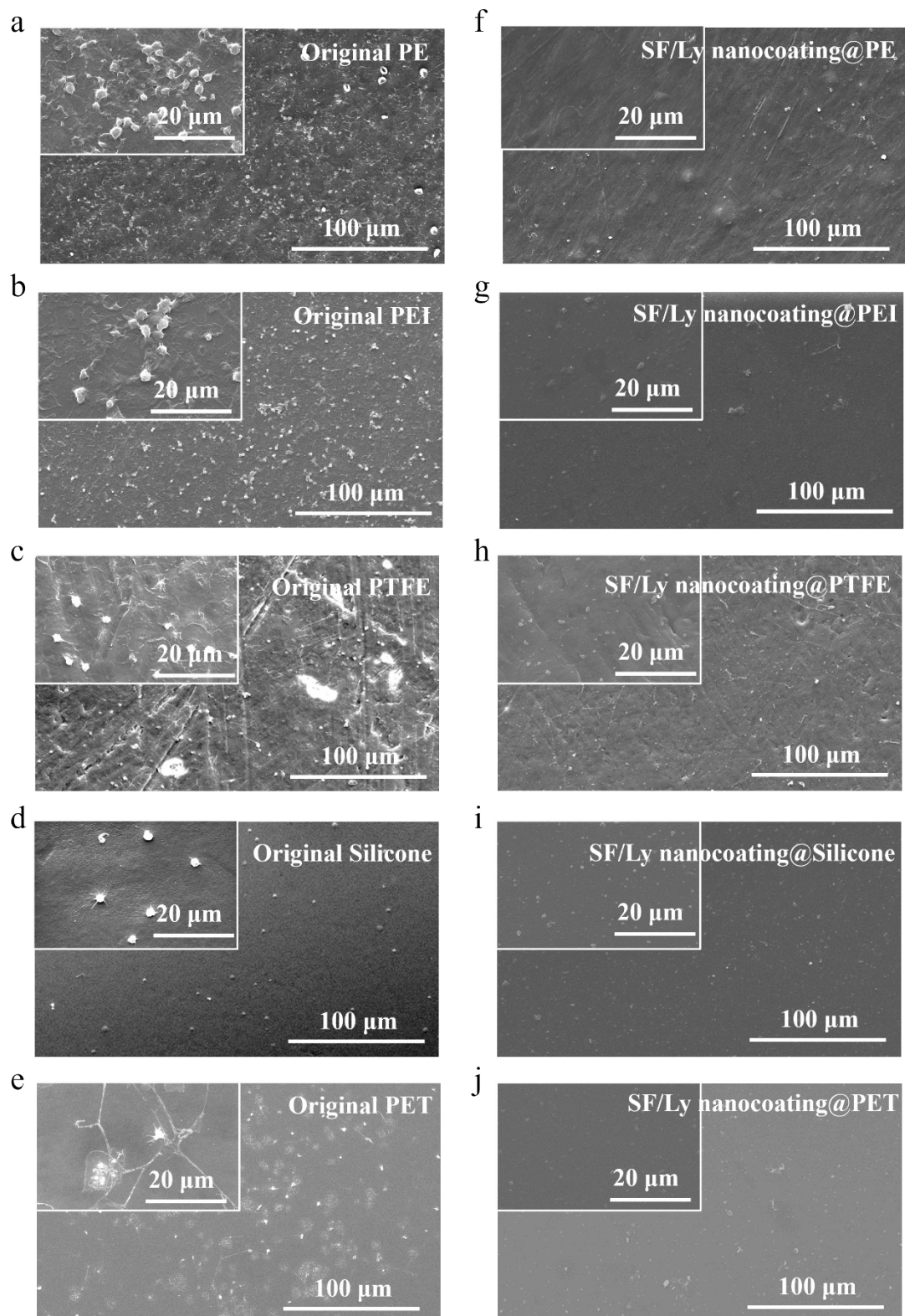


Fig. S5 SEM images of (a-e) original substrates and (f-j) SF/Ly nanocoating@substrates adhered platelets *in vitro*.

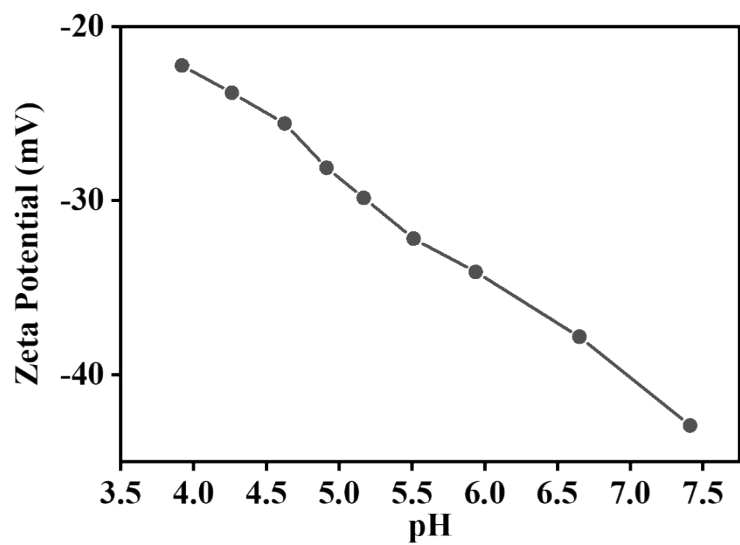


Fig. S6 Surface zeta potential of SF/Ly nanocoating with different pH.

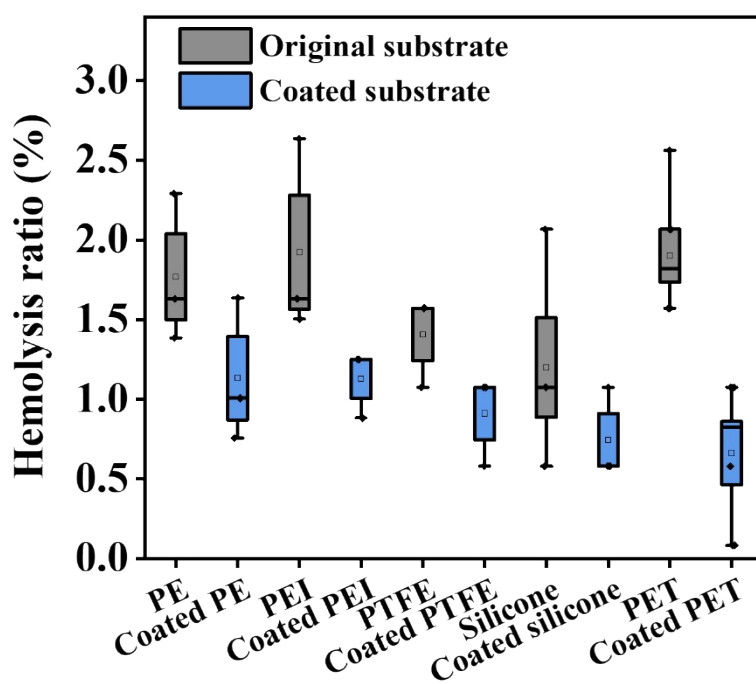


Fig. S7 Hemolytic assay of various substrates and SF/Ly nanocoating@substrates.