

Electronic supplementary material for:

**pH-Responsive and Pyrene Based Electrospun Nanofibers
for DNA Adsorption and Detection**

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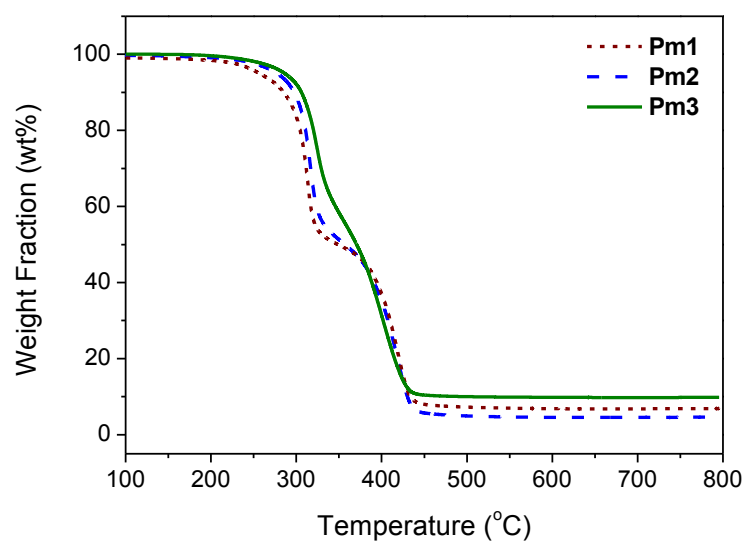


Fig. S1 TGA curves of **Pm1 – Pm3** copolymers at a heating rate of 10 °C/min under nitrogen atmosphere.

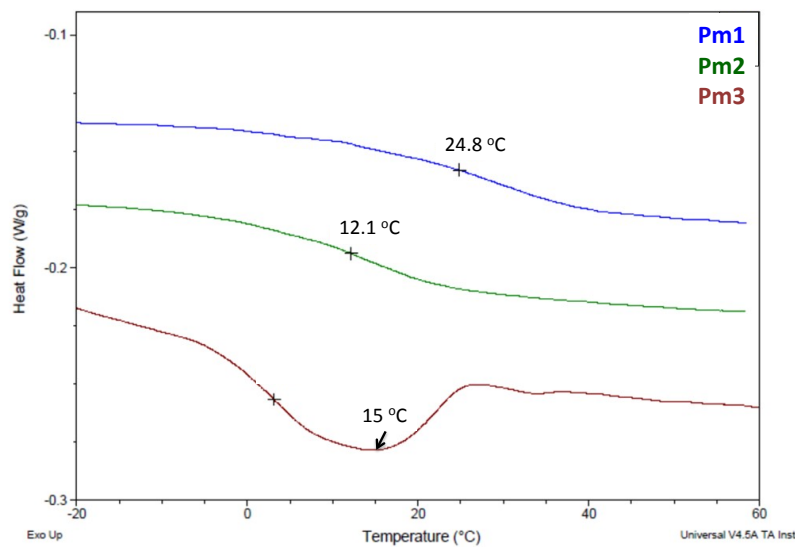


Fig. S2 DSC curves of **Pm1 – Pm3** copolymers at a heating rate of 5 °C /min under nitrogen atmosphere.

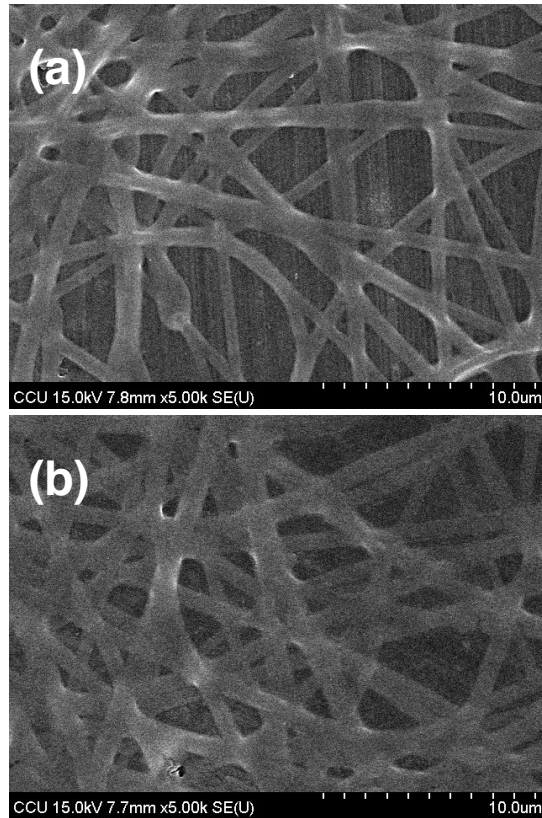


Fig. S3 FE-SEM images of **Pm3** ES fibers immersed in pH 5 solution at room temperature for (a) 3 min, and (b) 10 min.

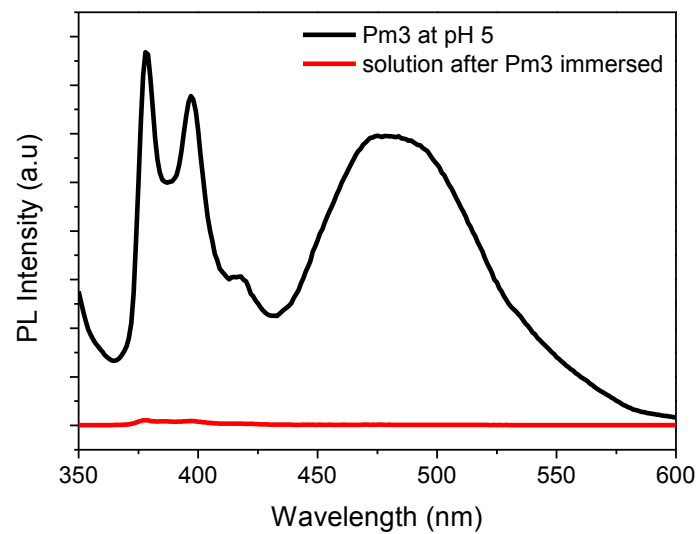


Fig. S4 Photoluminescence spectra of **Pm3** ES nanofibers at pH 5 (black) and aqueous solution after **Pm3** immersed for 10 min (red).

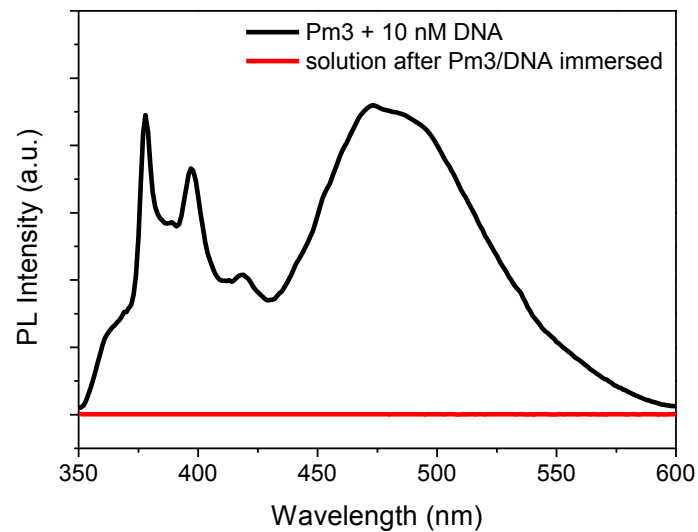


Fig. S5 Photoluminescence spectra of **Pm3** ES nanofibers/DNA complex at pH 5 (black) and aqueous solution after **Pm3/DNA** immersed for 10 min (red).