

Co-axial electrospun nanofibers with different shell contents to control cell adhesion and viability

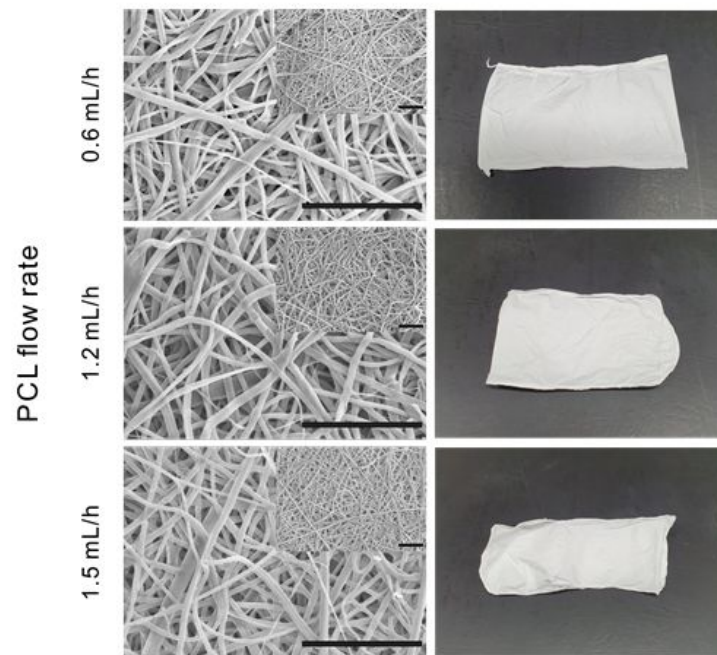
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Supplementary information

a**b**

Flow rate (mL/h)		Diameter (nm)
PCL (23%, w/v, shell)	Gelatin (15%, w/v, core)	
0.6		463.8±79.2
1.2	0.3	510.3±68.6
1.5		570.3±69.5

Figure S1. Characterization of P@G nanofiber with different flow rate of PCL. (a) Scanning electron microscopy images of P@G nanofiber with PCL flow rate: 0.6, 1.2, 1.5 mL/h and digital image of nanofibrous mats. (Scale bar = 10 μm, inset image scale bar =10 μm). (b) Diameter of P@G nanofiber (n = 40) measured by ImageJ software.

Table S1. Parameters for deconvolution of XPS spectra.

Sample	Elements	Peak position (eV)	FWHM ^a (eV)	Area	Atomic concentration (%)
100P@GNF	C 1s	284.93	2.83	18.169 x 10 ³	77.49
	O 1s	532.26	3.09	5.277 x 10 ³	22.51
80P@GNF	C 1s	285.15	2.92	38.940 x 10 ³	76.23
	O 1s	532.5	3.22	11.403 x 10 ³	22.33
	N 1s	399.89	2.71	0.736 x 10 ³	1.44
50P@GNF	C 1s	295.08	3.02	23.804 x 10 ³	74.83
	O 1s	540.58	4.25	7.194 x 10 ³	22.61
	N 1s	400.03	3.37	0.814 x 10 ³	2.56
0P@GNF	C 1s	284.53	4.38	1553.609 x 10 ³	61.90
	O 1s	535.08	3.19	1223.182 x 10 ³	19.40
	N 1s	403.08	2.96	741.164 x 10 ³	18.70

^a FWHM: Full width at half maximum