Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary Information

Nanostructured surface of electrospun PCL/dECM fibres treated with an oxygen plasma for tissue engineering

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Power (W)							
	10	13	15	17	20	25	30
Temp.	23.68 ± 0.33	26.2 ± 0.2	28.42 ± 0.48	30.42 ± 0.47	32.48 ± 0.49	35.68 ± 0.39	37.48 ± 0.28

Gas flow (sccm)

	5	10	20	30	40	50
Temp.	28.42±0.48	29.88±0.25	30.9±0.29	32.27±0.22	33.5±0.21	34.7±0.18

Table S3. Young's modulus and maximum stress of the samples. (n = 5) (Fig. 5d)

	P - PCL	PCL/dECM	P – PCL/dECM
Young's modulus	4.88 ± 0.29	7.61 ± 0.22	6.19 ± 0.28
Max. stress	3.86 ± 0.28	5.40 ± 0.44	4.91 ± 0.31

Table S4. MTT result [OD].

	P - PCL	PCL/dECM	P – PCL/dECM
1 day	0.22 ± 0.02	0.22 ± 0.01	0.28 ± 0.03
3 days	0.39 ± 0.03	0.45 ± 0.02	0.61 ± 0.04
7 days	0.60 ± 0.02	0.65 ± 0.02	0.86 ± 0.03

Table S5. Relative ALP activity [OD]

Samples	P - PCL	PCL/dECM	P – PCL/dECM
7 days	0.95 ± 0.03	0.99 ± 0.05	1.18 ± 0.06
14 days	1.16 ± 0.07	1.19 ± 0.06	1.77 ± 0.12

Table S6. Relative calcium deposition [OD]

Samples	P - PCL	PCL/dECM	P – PCL/dECM
7 days	1.67 ± 0.21	1.12 ± 0.10	2.64 ± 0.27
14 days	2.51 ± 0.09	2.17 ± 0.15	3.85 ± 0.18