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Supporting Information

Silk-based hybrid microfibrous mats as guided bone regeneration membranes

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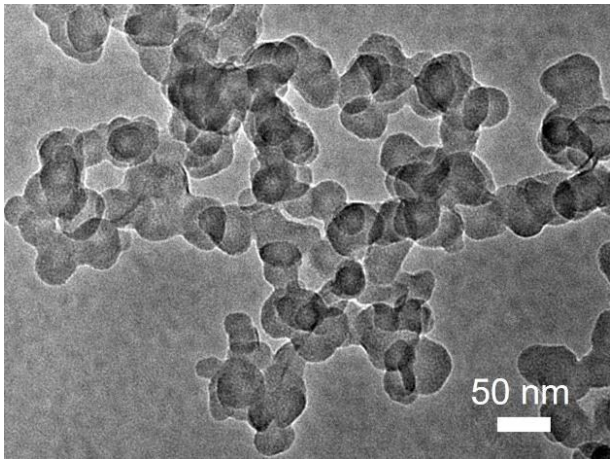

Figure S1. TEM image of LAP nanoplatelets.

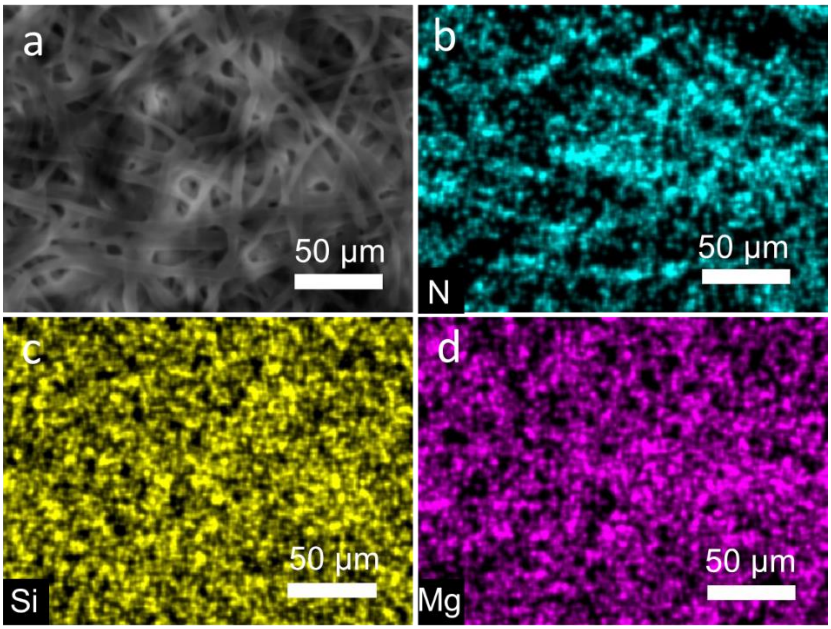

Figure S2. EDS elemental mapping of RSF-LAP-5 microfibrous mats. (a) SEM image; (b) N element; (c) Si element; (d) Mg element.

Table S1. Premiers for RT-PCR analysis[a]

Gene	Sequences (5′–3′)	Product size (bp)	Accession number
PCNA	F: TGCCGAGACCTTAGCCACATTG	143	NM_011045
	R: ACCGCCTCCTCTTCTTTATCCACA		
CyclinD1	F: GCAGCCCCAACAACTTCCTCTCCT	183	NM_007631.2
	R: CCTCCACTTCCCCCTCCTCCTCAG		
ICAM-1	F: TGAGCGAGATCGGGGAGGACAG	167	NM_010493
	R: GTGGCAGCGCAGGGTGAGGT		
FN	F: CTCTACGGGTCGCTGGAAGGAAG	162	NM_010233.2
	R: GTGCTGGCGCTGGTGGTGAAGT		
OPN	F: CCCAACGGCCGAGGTGATA	161	NM_009263
	R: TGGGCAACAGGGATGACA		
OCN	F: AGCGGCCCTGAGTCTGA	195	NM_007541.3
	R: GATGCGTTTGTAGGCGGTCTTC		
Runx-2	F: ATGGCCGGGAATGATGAGAACTAC	167	NM_001146038.2
	R: GTGGCCACTTGGGGAGGATTT		
β-actin	F: AACCCTAAGGCCAACCGTGAAAAG	193	NM_007393.5
	R: TGGCGTGAGGGAGAGCATAGC		

[a]FN = fibronectin; OPN = osteopontin; OCN = osteocalcin.