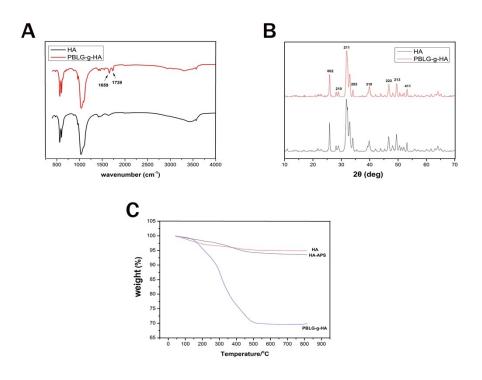
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1	Support information for		
2	Poly-L-lysine Coated PLGA/Poly (amino Acid)		
3	Modified Hydroxyapatite Porous Scaffolds as Efficient Tissue		
4	Engineering Scaffolds for Cell Adhesion, Proliferation, and		
5	Differentiation		
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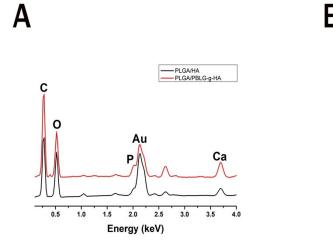
1 Supplementary Figures

- 2 Fig. S1 FT-IR spectra (A), XRD patterns (B), and TGA curves (C) of HA and PBLG-
- 3 g-HA.



4

- 5 Fig. S2 EDX spectra (A) and element contents (B) of PLGA/HA and PLGA/PBLG-g-
- 6 HA porous scaffolds.



В

Element	PLGA/HA Wt%	PLGA/PBLG-g-HA Wt%
О К	19.19	18.37
ΡK	3.52	6.29
Au M	44.65	33.33
СаК	5.72	9.91
Total	100	100

1 Supplementary Methods

2 Characterization of HA and PBLG-g-HA

Fourier-transform infrared spectroscopy (FT-IR, Bio-Rad Win-IR Spectrometer,
Watford, UK), X-ray diffraction (XRD, D8 ADVANCE, Germany) and thermal
gravimetric analysis (TGA) (TA Instruments TGA500, USA) were used to examine
the amount of surface grafted PBLG, chemical properties and crystalline structure of
HA and PBLG-g-HA.

8 EDX spectra and element contents of PLGA/HA and PLGA/PBLG-g-HA porous

9 scaffolds

10 The scaffolds were fractured after snap-freezing, sputter-coated with gold, and 11 observed at an accelerating voltage of 15 kV. For characterizing the distribution and 12 exposure degrees of PBLG-g-HA and HA in PLGA matrix, it was analyzed with 13 energy dispersive X-ray spectrometry (EDX) (XL-30W/TMP, Philips, Amsterdam, 14 The Netherlands).