

Support information

**IFN- γ /SrBG composite scaffolds promotes osteogenesis by
sequential regulating macrophages from M1 to M2**

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Table S1

Genes	Primer sequences 5'—3'
GAPDH-F	CTCCCACTCTTCCACCTTCG
GAPDH-R	TTGCTGTAGCCGTATTCATT
Cxcl11-F	AGTAACGGCTGCGACAAAGT
Cxcl11-R	GCACCTTTGTCTGTTTATGAGC
Nos2-F	AAACCCCTTGTGCTGTTCTC
Nos2-R	ATACTGTGGACGGGTCGATG
Il1 β -F	TTCAGGCAGGCAGTATCACTC
Il1 β -R	GAAGGTCCACGGGAAAGACAC
Arg1-F	GCAGAGGTCCAGAAGAATGG
Arg1-R	AGCATCCACCCAAATGACAC
Ccl17-F	TGCTTCTGGGGACTTTTCTG
Ccl17-R	CATCCCTGGAACACTCCACT

Table S2

Genes	Primer sequences 5'—3'
GAPDH-F	CTCCCACTCTTCCACCTTCG
GAPDH-R	TTGCTGTAGCCGTATTCATT
OPN-F	GCAGTCTTCTGCGGCAGGCA
OPN-R	CACCGGGAGGGAGGAGGCAA
OCN-F	AGCAGCTTGGCCCAGACCTA
OCN-R	TAGCGCCGGAGTCTGTTCCTAC
Runx2-F	CACTGGCGGTGCAACAAGA
Runx2-R	TTTCATAACAGCGGAGGCATTTC

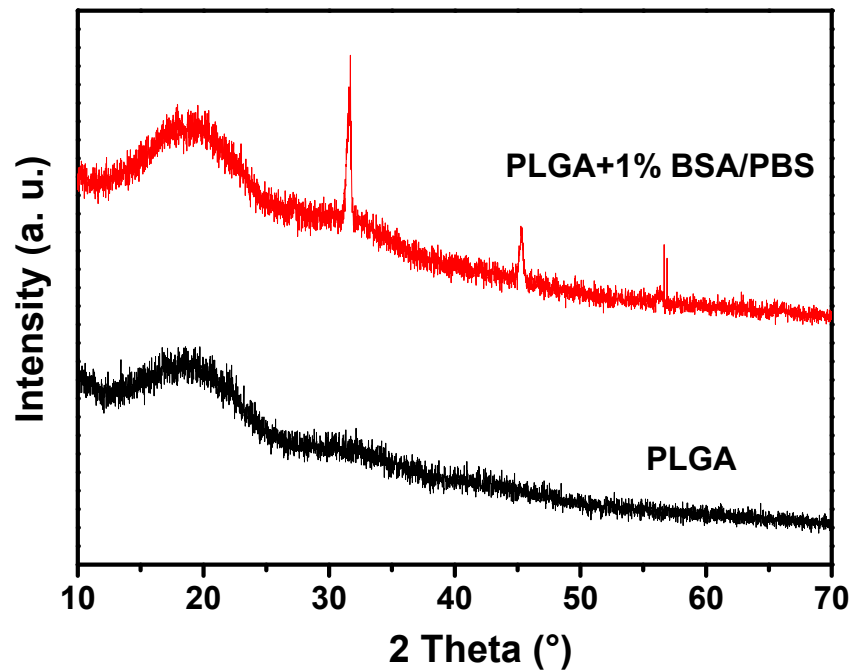


Fig. S1 XRD of PLGA and PLGA+1% BSA/PBS.

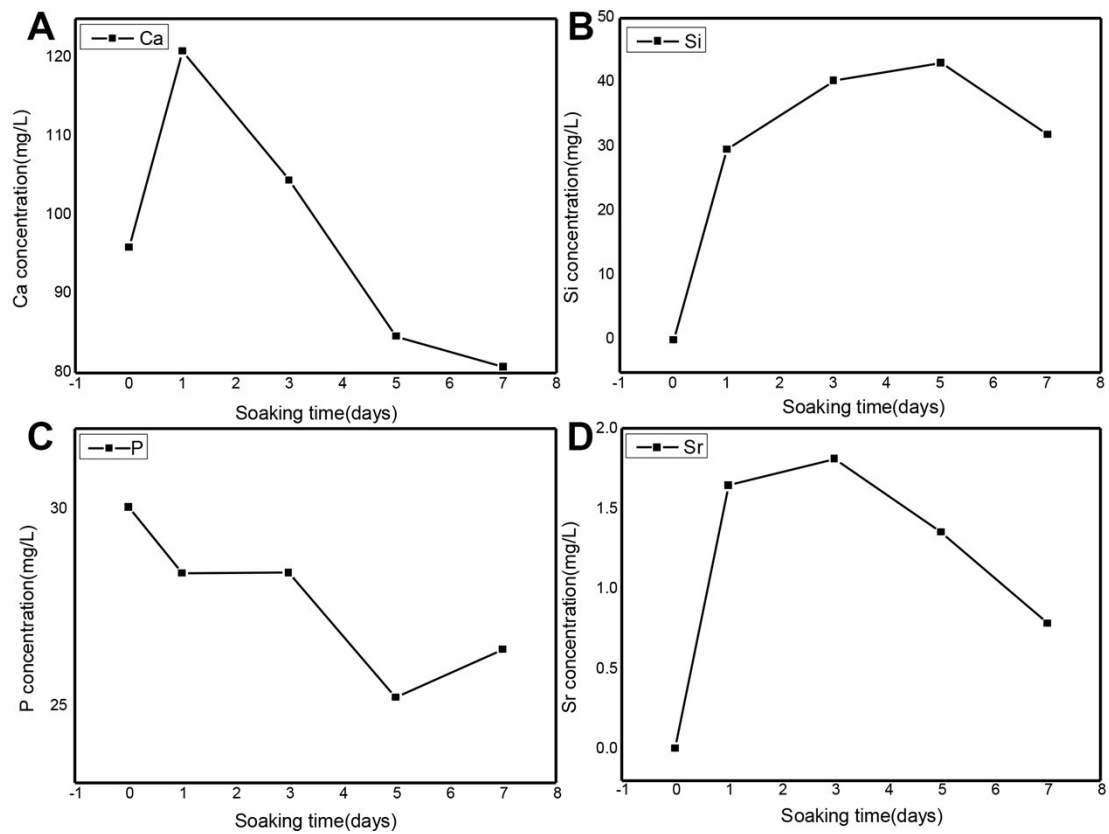


Fig S2 The release of SrBG dissolution in 0, 1, 3, 5, 7 days, respectively. A) Ca; B) Si; C) P; D) Sr

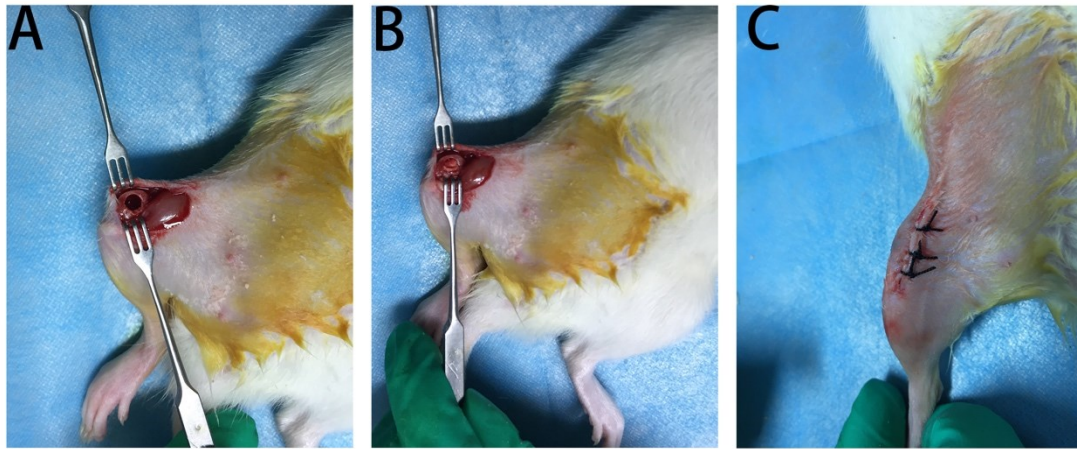


Fig S3 Surgical procedure of in situ bone defect repair experiment. A) Create a bone defect. B) Implant the material. C) Suture the wound.

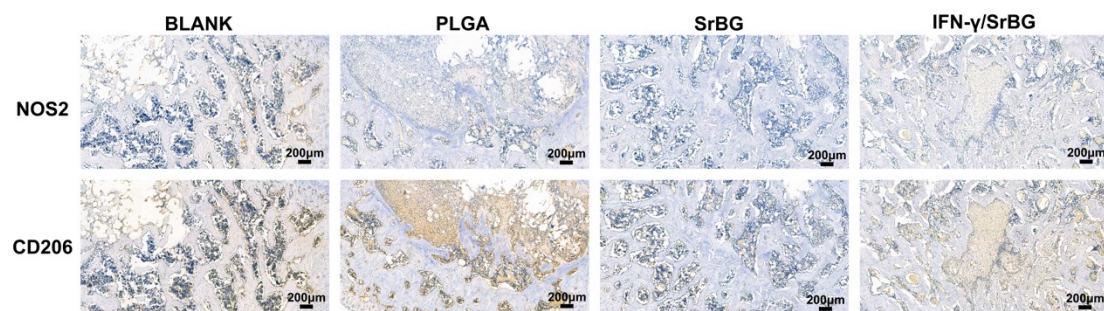


Fig S4 Macrophages immunohistochemical staining of three scaffolds at 4 weeks. NOS2 was a maker of M1 macrophage, while CD206 was marker of M2 macrophage.