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† **Electronic supplementary information (ESI)**

Porous nanofibrous scaffold incorporated with S1P loaded MSNs and BMP-2 encapsulated PLGA microspheres for enhancing angiogenesis and osteogenesis

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Supplementary Figures

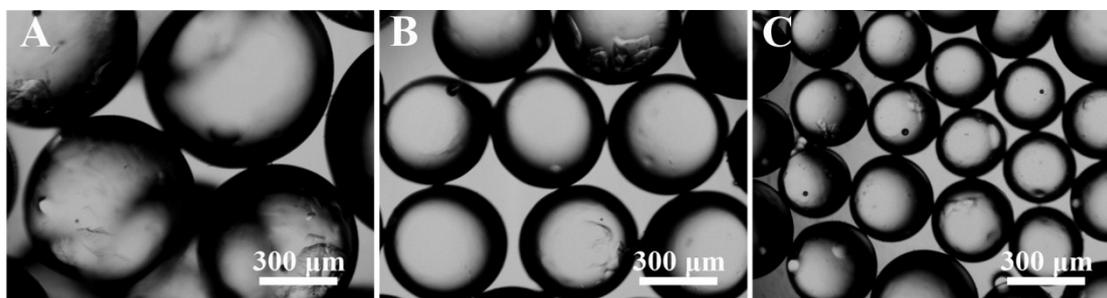


Figure S1. Optical microscope images of sugar spheres with different particle sizes, (A) 600-750 μm ; (B) 450-600 μm ; (C) 250-450 μm .

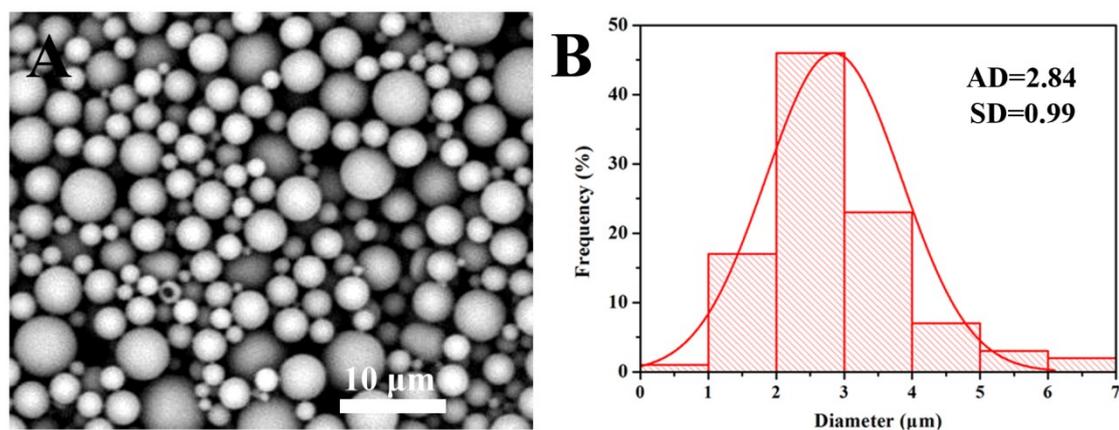


Figure S2. (A) SEM images of PLGA microspheres; (B) Size distribution curves of PLGA microspheres.

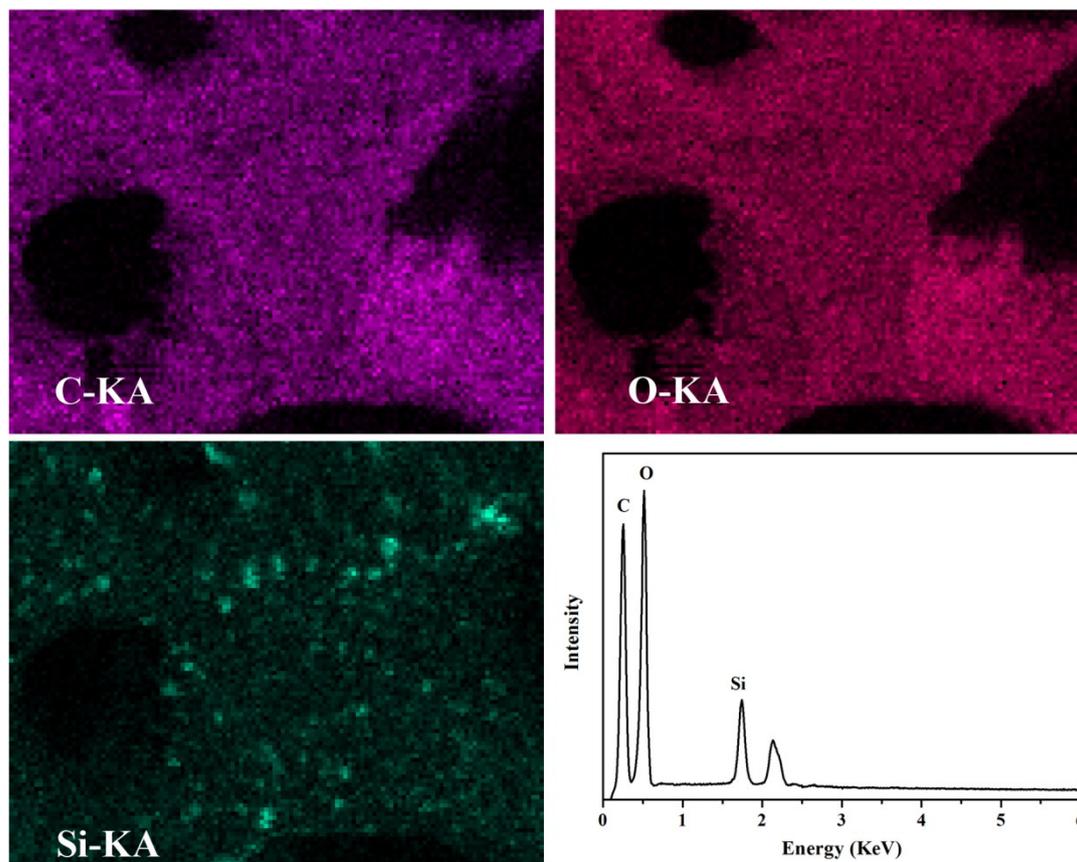


Figure S3. EDS mapping analysis of MSNs/PLLA scaffold. The result shows homogeneous element distribution of C, O and Si in acMSNs/PLLA scaffold.