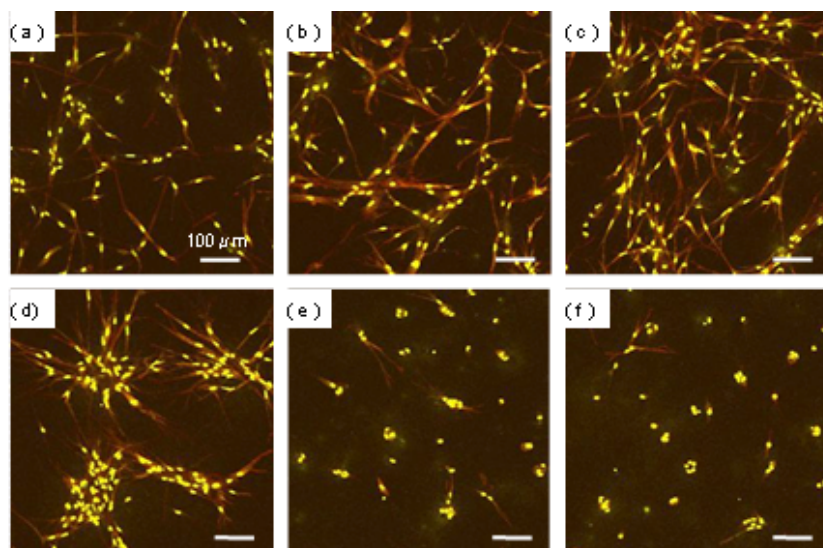
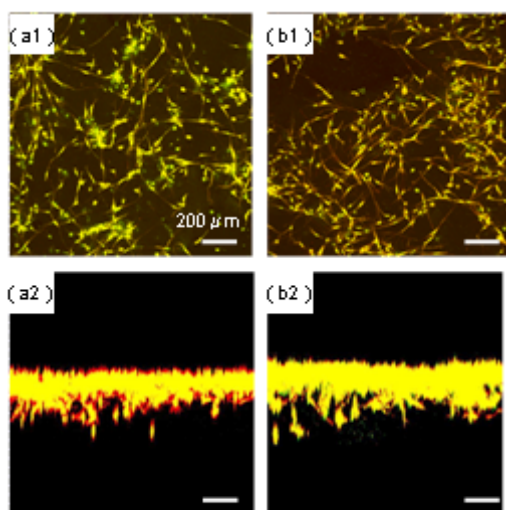


Supplementary information:

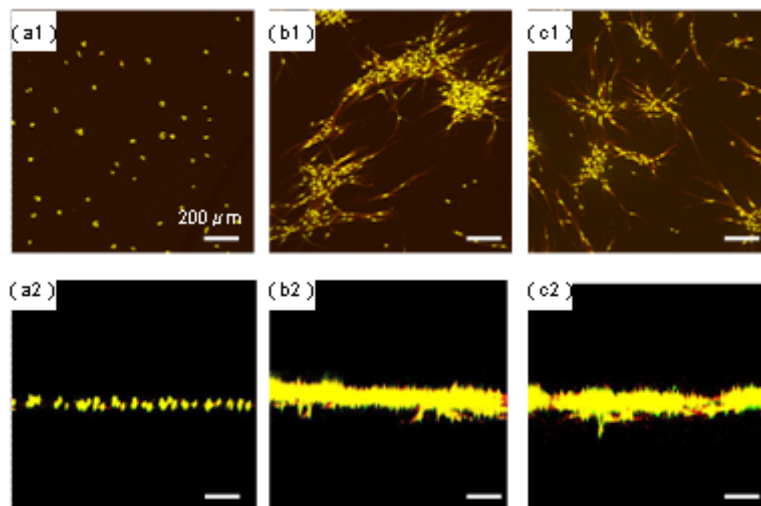
Figures S1-Figure S5



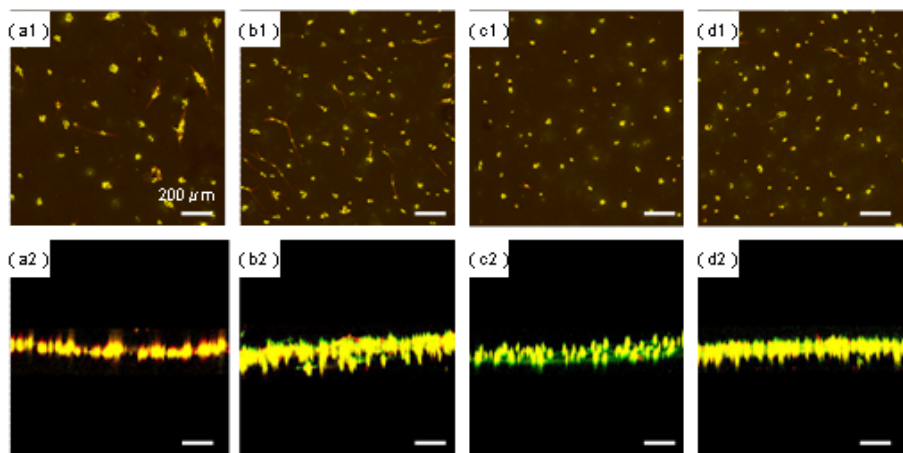
SF.1 Confocal microscopy images of periodontal ligament fibroblasts morphology on peptide scaffold (a) VEVK9 mixed with vPRG and vPVG, (b) VEVK9 mixed with vYIG and vPVG, (c) VEVK9 mixed with vIKV and vPVG, (d) VEVK12 mixed with vPRG and vPVG, (e) VEVK12 mixed with vYIG and vPVG, (f) VEVK12 mixed with vIKV and vPVG. Fluorescent staining with Rhodamin phalloidin for F-actin (red) and SYTOX Green for nuclei (yellow) showed the cell attachments and distributions. The bar represent 100 μm .



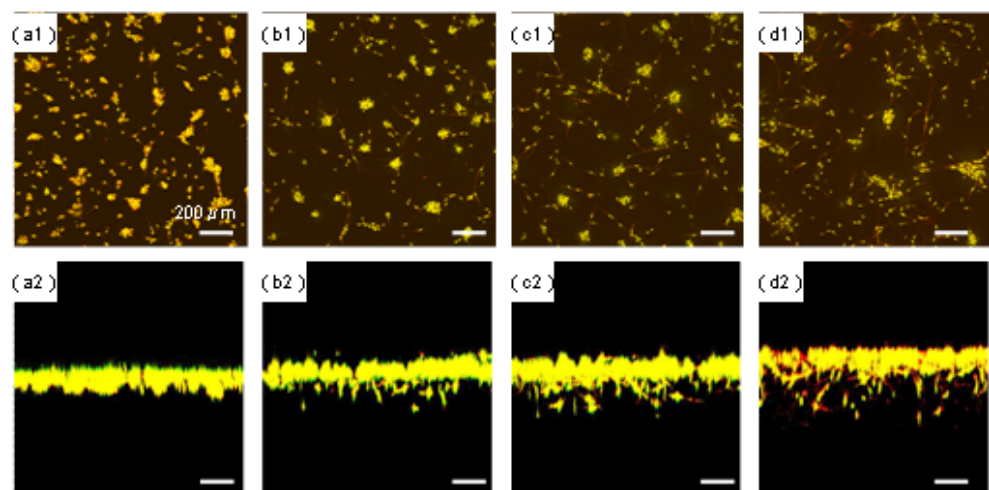
SF.2 Constructed images of 3-D confocal microscopy images of periodontal ligament fibroblasts on each scaffold (a) VEVK9 mixed with vYIG, (b) VEVK9 mixed with vIKV. (a1-b1) Vertical and (a2 – b2) horizontal images after three weeks culture. The bar represent 200 μm .



SF.3 Constructed images of 3-D confocal microscopy images of periodontal ligament fibroblasts on each scaffold (a) VEVK12, (b) VEVK12 mixed with vPRG, (c) VEVK12 mixed with vPRG and vPVG. (a1-c1) Vertical and (a2 – c2) horizontal images after three weeks culture. The bar represent 200 μm.



SF.4 Constructed images of 3-D confocal microscopy images of periodontal ligament fibroblasts on each scaffold (a) VEVK12 mixed with vYIG, (b) VEVK12 mixed with vYIG and vPRG, (c) VEVK12 mixed with vIKV, (d) VEVK12 mixed with vIKV and vPVG. (a1-d1) Vertical and (a2 – d2) horizontal images after three weeks culture. The bar represent 200 μm.



SF.5 Constructed images of 3-D confocal microscopy images of periodontal ligament fibroblasts on VEVK9 mixed with vPRG and vPVG at (a) day 1, (b) day7, (c) day11 and (d) day21. (a1-d1) Vertical images and (a2 –d2) horizontal images. The bar represent 200 μ m.