



## Supplemental Material

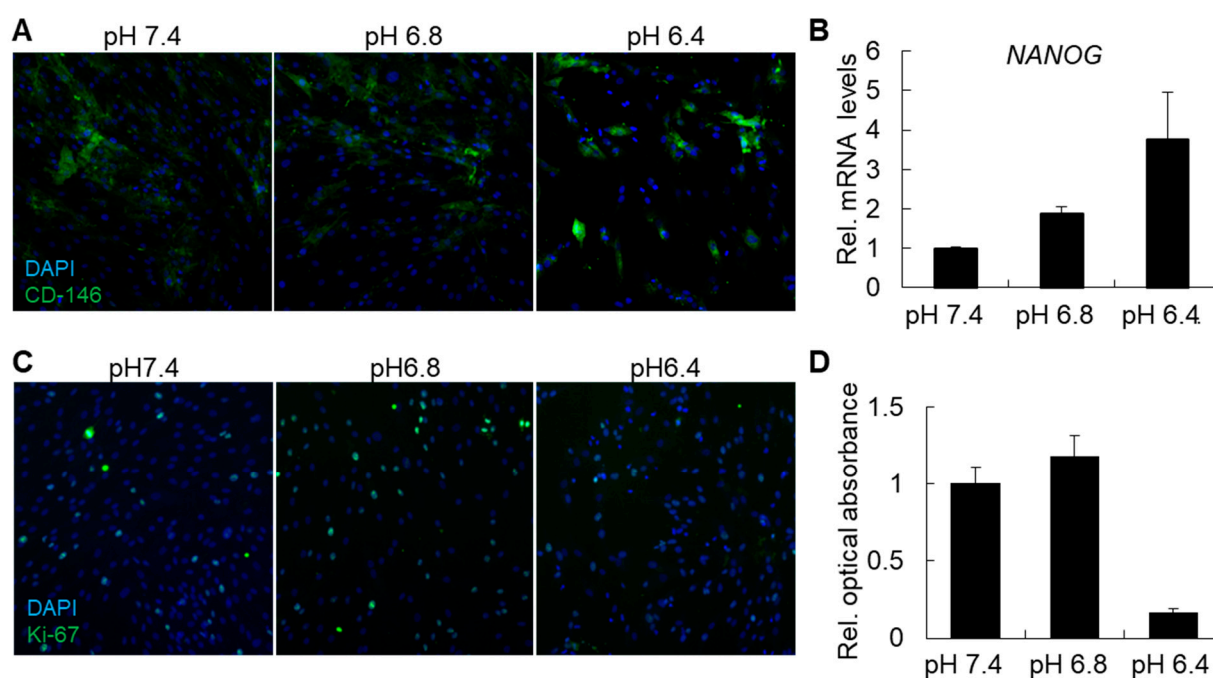
### *Communication*

### **Acidic Pre-Conditioning Enhances the Stem Cell Phenotype of Human Bone Marrow Stem/Progenitor Cells**

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### **Supplemental Figure S1**

Effect of short-term treatment of pH 6.4 on stem cell properties of BMSCs.



**Figure S1.** Immunocytochemical analysis for (A) expression of CD146 and (B) relative mRNA expression levels of *NANOG* in hBMSCs after a short-term treatment in pH 6.8 and pH 6.4. Note the substantial increase in stem cell markers in pH 6.4. Immunocytochemical analysis for (C) expression of the proliferation marker Ki-67, and (D) cell viability,

determined by MTS assay in hBMSCs after a short-term treatment in pH 6.8 and pH 6.4.

Note the dramatic decrease in cell proliferation ability and cell viability in pH 6.4.