Generation of two Multipotent Mesenchymal Progenitor Cell Lines Capable of Osteogenic, Mature Osteocyte, Adipogenic, and Chondrogenic Differentiation

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Supplementary Figures

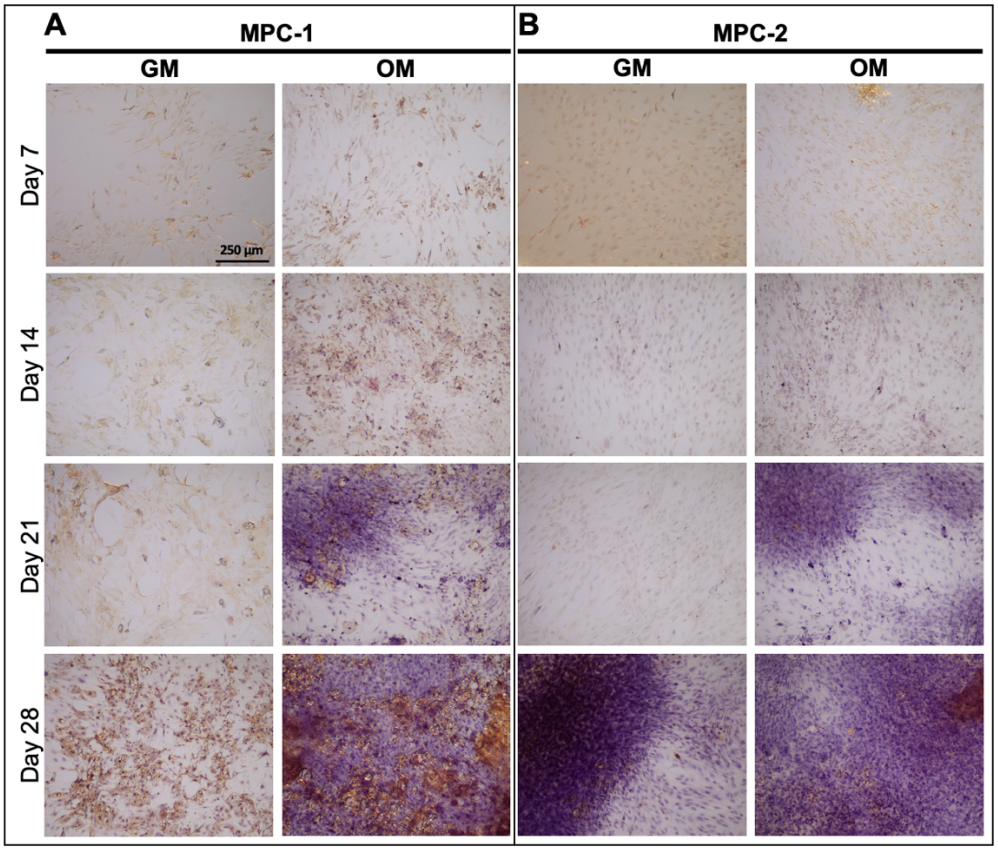

Figure S1: Osteogenic differentiation and alkaline phosphatase staining of MPC cells. MPC cells were cultured in growth media (GM) or osteogenic media (OM) and stained for alkaline phosphatase. (A) In MPC1 cells Alkphos staining began to appear in cultures grown in osteogenic media at day 14, with large differences at days 21 and 28 compared to growth media. (B) MPC2 cells displayed strong staining at day 21 in osteogenic media. After 28 days in culture MPC2 cells grown in growth media also had strong Alkphos staining. Each cell line was tested in triplicate. Images were captured using a 10X magnification lens.

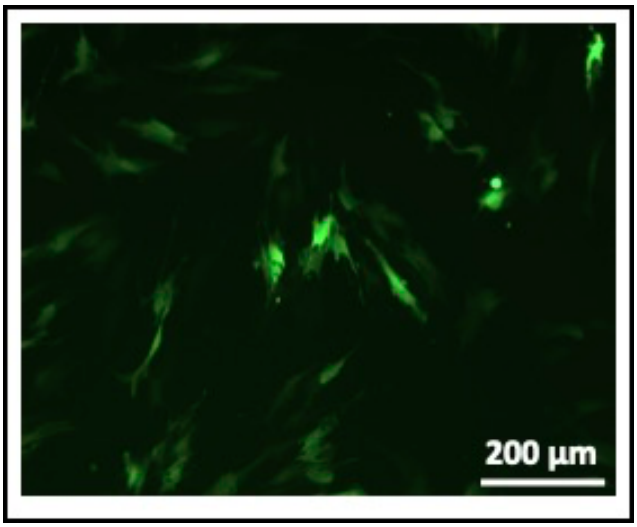

Figure S2: Transfection with GFP. To establish the ability of MPC cells to be transfected, MPC2 cells were cultured in growth media (GM) at 33°C. A vector containing eGFP was transfected into the cells using Fugene-6 HD. Images were captured using a fluorescent microscope (Leica) 24 h after transfection. (10X; bar = 200 µm)