

Supporting Information

Biomaterialized matrices dominate soluble cues to direct osteogenic differentiation of human mesenchymal stem cells through adenosine signaling

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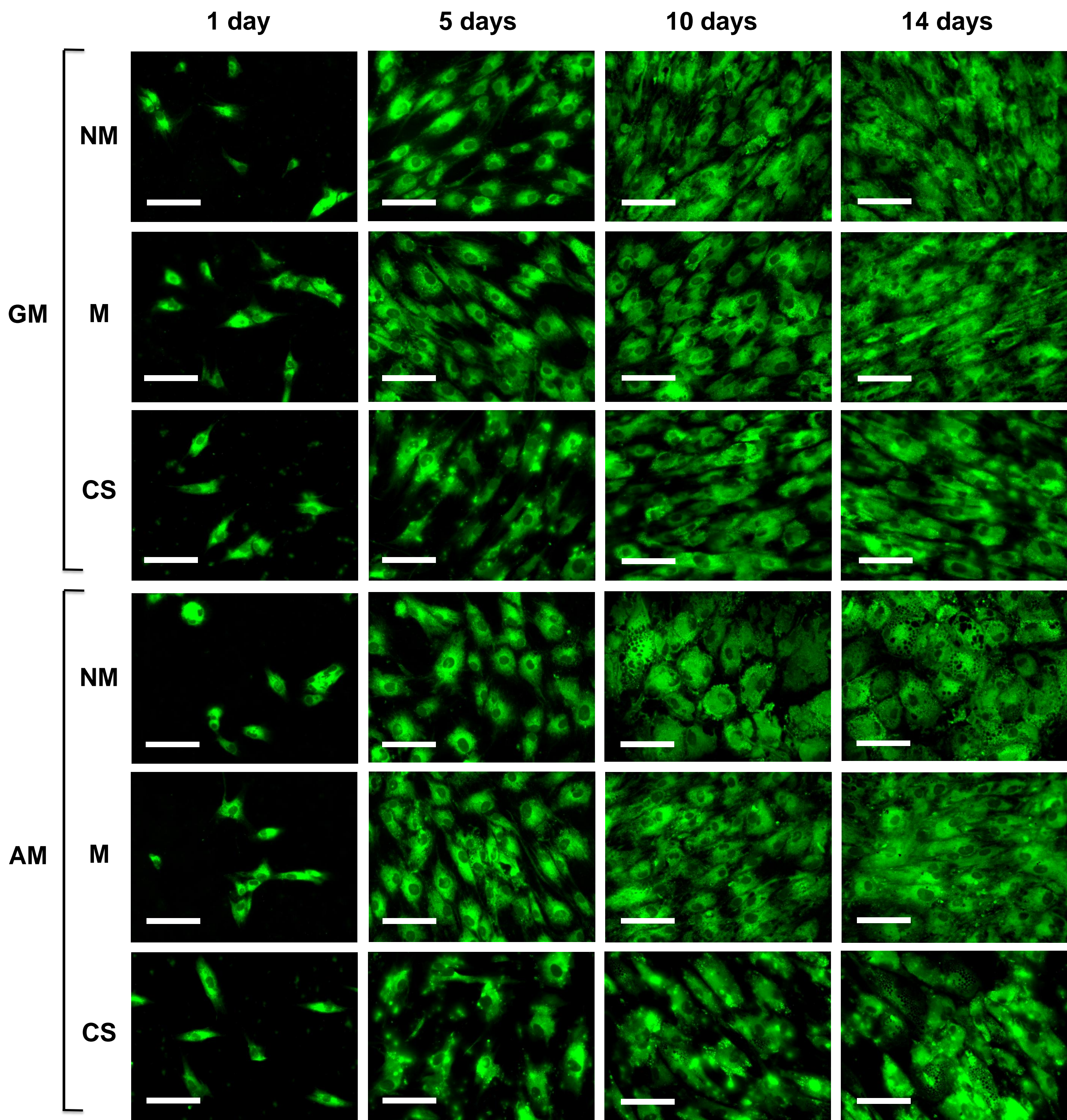
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Supporting Figure S1. Adhesion and growth of hMSCs on various matrices in different medium conditions. The cells on different matrices (non-mineralized matrices [NM], mineralized matrices [M], and coverslips [CS]) and medium conditions (growth medium [GM] or adipogenic medium [AM]) were imaged as a function of culture time (1, 5, 10, and 14 days). The cells were labeled with CellTracker. Scale bars indicate 100 μm .

Supporting Table S1. List of primer sequences used in quantitative PCR analyses.

Supporting Figure S1



Supporting Table S1

Gene	Primer Sequence
Glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	Forward: 5' CAT CAA GAA GGT GGT GAA GC 3'
	Reverse: 5' GTT GTC ATA CCA GGA AAT GAG C 3'
Runt-related transcription factor 2 (RUNX2)	Forward: 5' CCA CCC GGC CGA ACT GGT CC 3'
	Reverse: 5' CCT CGT CCG CTC CGG CCC ACA 3'
Osteocalcin (OCN)	Forward: 5' GAA GCC CAG CGG TGC A 3'
	Reverse: 5' CAC TAC CTC GCT GCC CTC C 3'
Bone sialoprotein (BSP)	Forward: 5' AAT GAAAC GAA GAA AGC GAA G 3'
	Reverse: 5' ATC ATA GCC ATC GTA GCC TTG T 3'
Peroxisome proliferator-activated receptor-gamma2 (PPAR- γ 2)	Forward: 5' GAA TGT CGT GTC TGT GGA GA 3'
	Reverse: 5' TGA GGA GAG TTA CTT GGT CG 3'
Adipocyte fatty acid binding protein 2 (α P2)	Forward: 5' GTA CCT GGA AAC TTG TCT CC 3'
	Reverse: 5' GTT CAA TGC GAA CTT CAG TCC 3'
Lipoprotein lipase (LPL)	Forward: 5' GAG ATT TCT CTG TAT GGC ACC 3'
	Reverse: 5' CTG CAAATG AGA CAC TTT CTC 3'