materials

MDPI

Article

Effect of Multi-Phosphonate Coating of Titanium Surfaces on Osteogenic Potential

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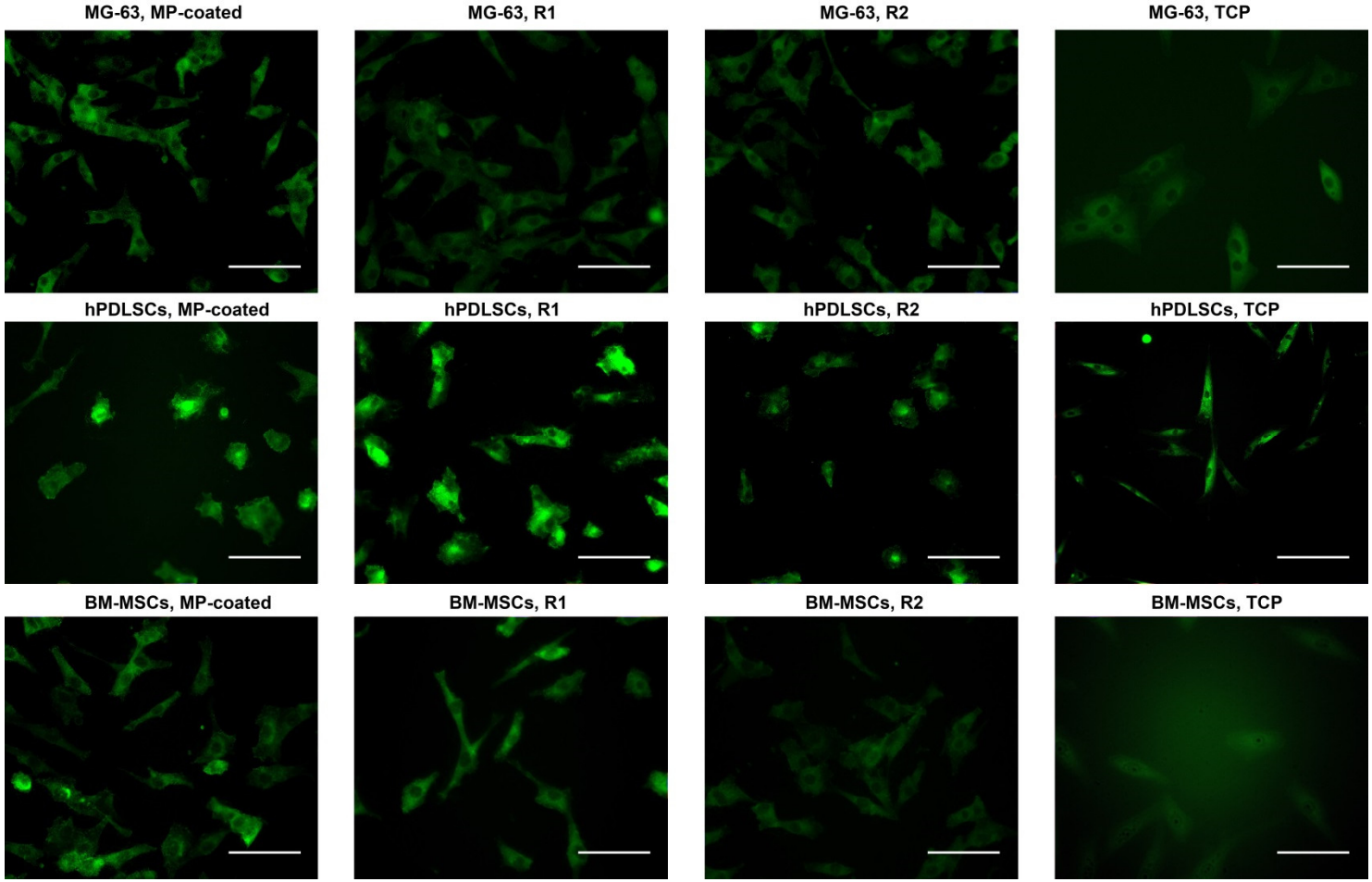
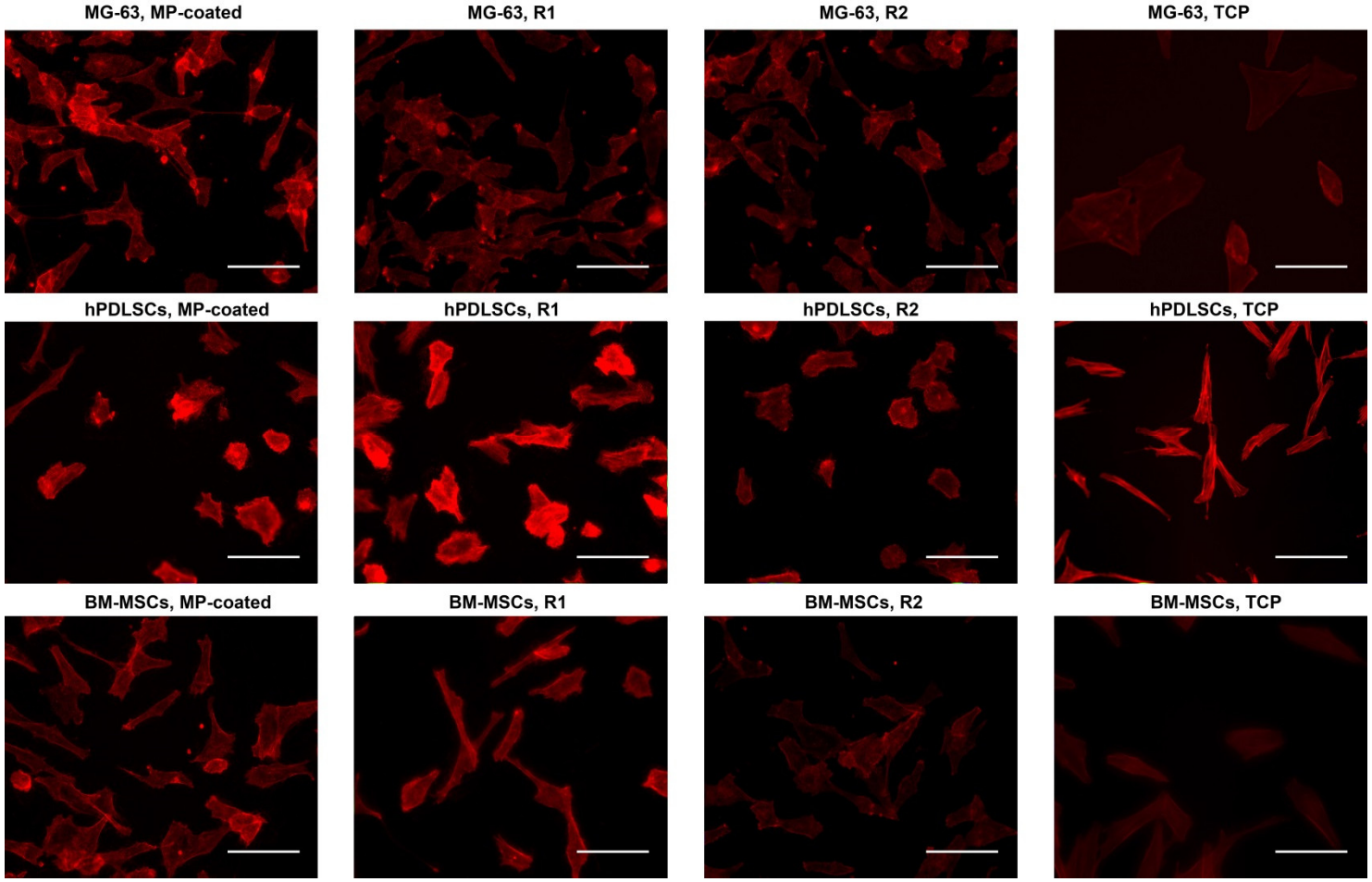
Supplementary Information



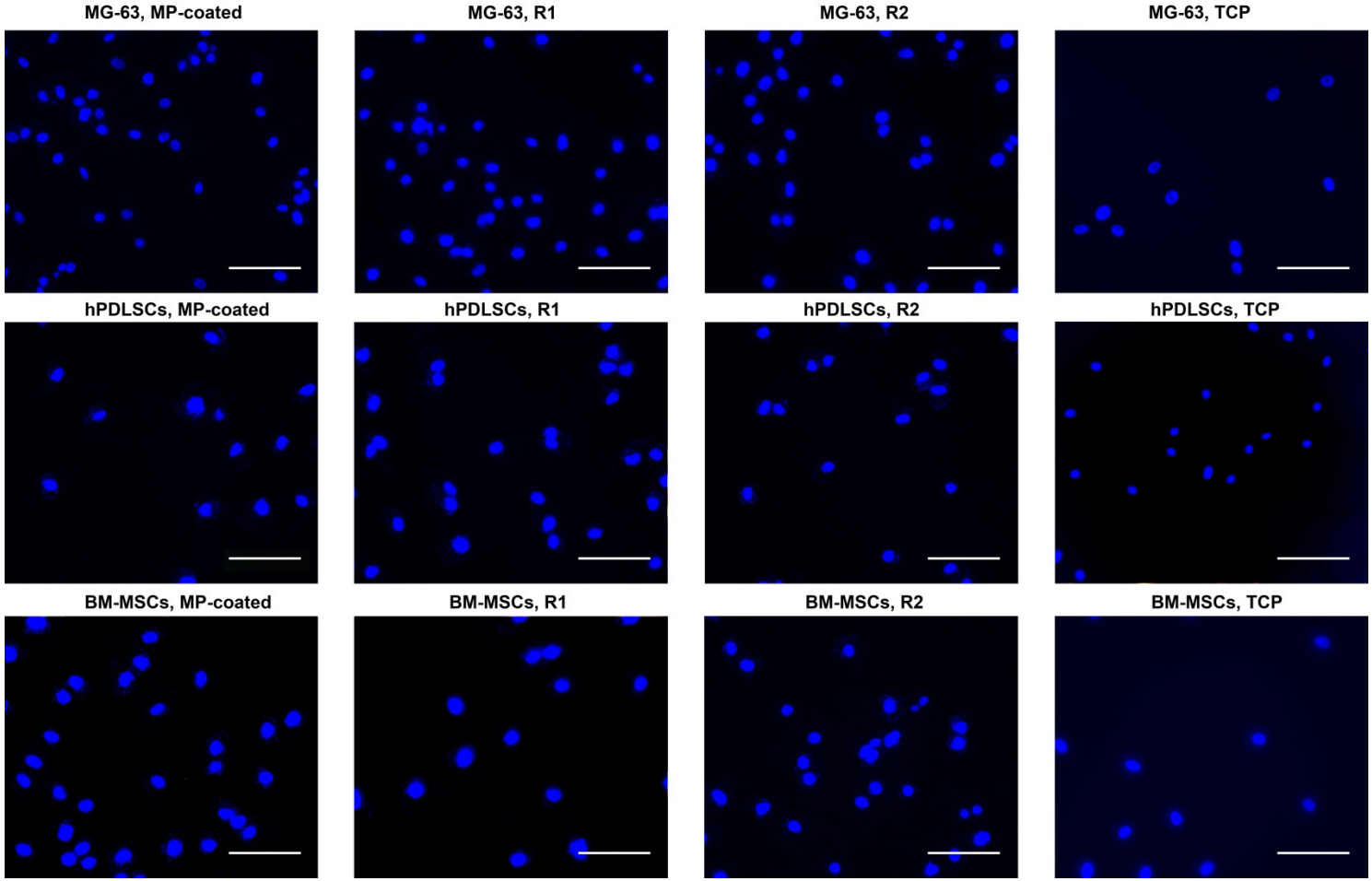
Supplementary Figure S1. Fluorescence microscopy analysis of focal adhesions in MG-63 cells, hPDLSCs, and BM-MSCs cultured on titanium surfaces and TCP.

Cell culture was performed on MP-coated as well as reference surfaces (R1, R2) and TCP as a control for 1 and 2 days; focal adhesions were stained with anti-Vinculin and counterstained with FITC (green). Scale bars correspond to 100 μm.



Supplementary Figure S2. Fluorescence microscopy analysis of F–actin in MG-63 cells, hPDLSCs, and BM-MSCs cultured on titanium surfaces and TCP.

Cell culture was performed on MP-coated as well as reference surfaces (R1, R2) and TCP as a control for 1 and 2 days; F-actin was stained with TRITC-conjugated Phalloidin (red). Scale bars correspond to 100 μm.



Supplementary Figure S3. Fluorescence microscopy analysis of nuclei in MG-63 cells, hPDLSCs, and BM-MSCs cultured on titanium surfaces and TCP.

Cell culture was performed on MP-coated as well as reference surfaces (R1, R2) and TCP as a control for 1 and 2 days; nuclei were stained with DAPI (blue). Scale bars correspond to 100 μm.