Effect of Photoimmobilization and Micro patterning of biomaterial substrates
Visualization and confirmation of HA immobilization and murine ES cell adhesion on the AzPh·HA substrate. A. Layout of the photomask pattern. Dark-patterned regions did not allow penetration of UV light and clear regions allowed UV light access. B. AzPh·HA micropatterned surface visualized using bright-field microscopy. C. AzPh·HA micropatterned surface visualized using reflection. D. Murine ES cells adhered onto LMW AzPh·HA (I,II) and HMW AzPh·HA surfaces (III,IV) after 1 and 4 days of culture. (reproduced with permission from Biomaterials 2011).