Photocleavable linker for the patterning of bioactive molecules

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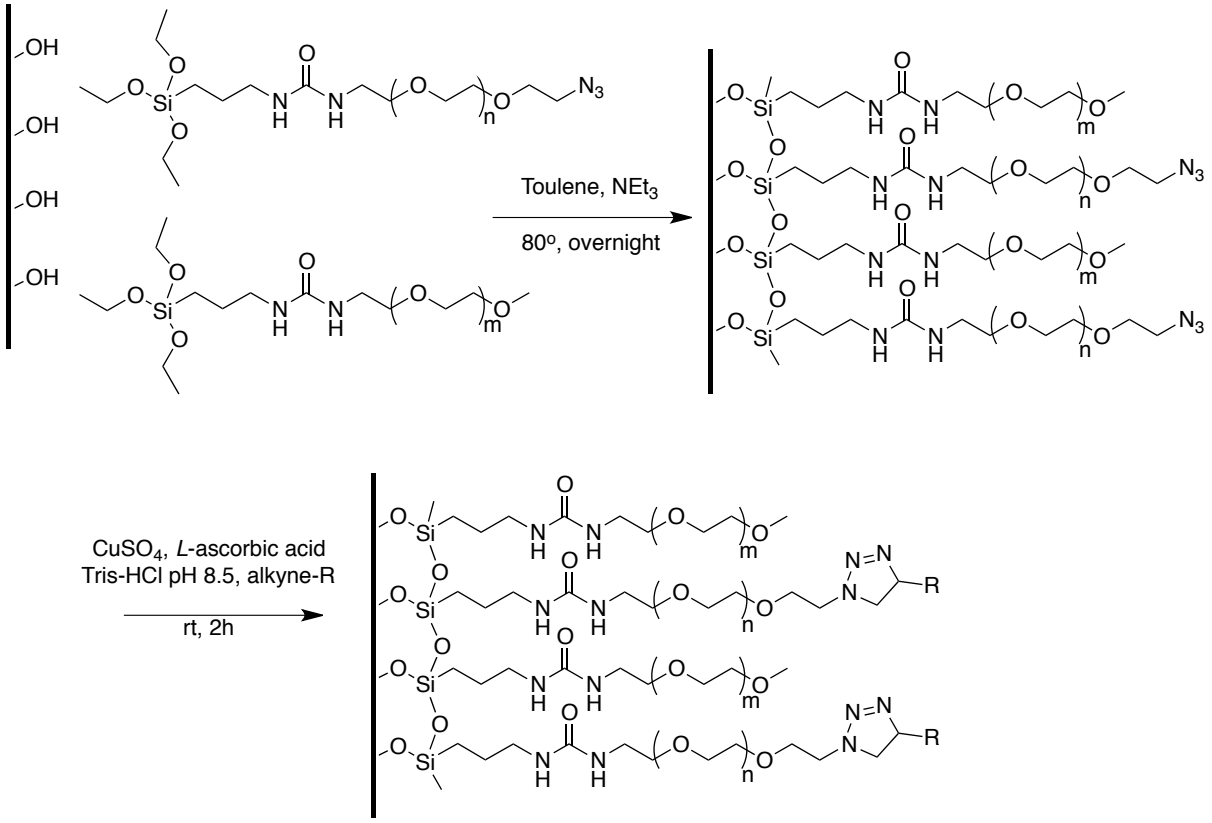

Figure S1. PEG-azide coating of SiO_2 surfaces and click-reaction at the surface.

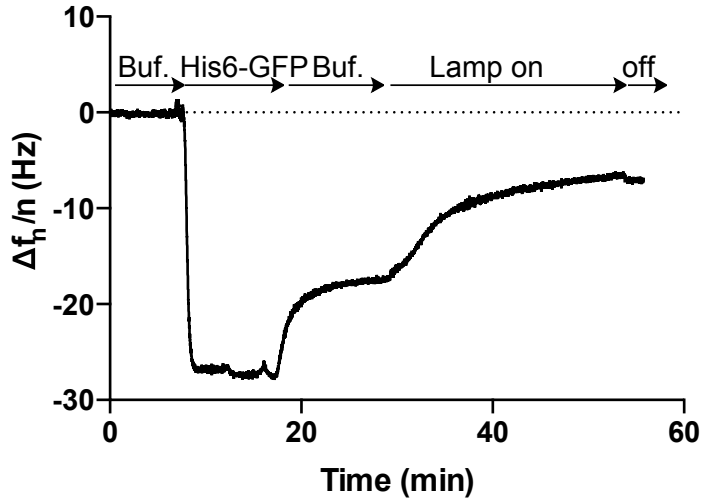

Figure S2. His6-GFP binds on SiO_2 QCM crystals coated with 100 % PEG-azide modified with NTA-NO_2. When the lamp is turned on the His6-GFP is liberated from the surface.

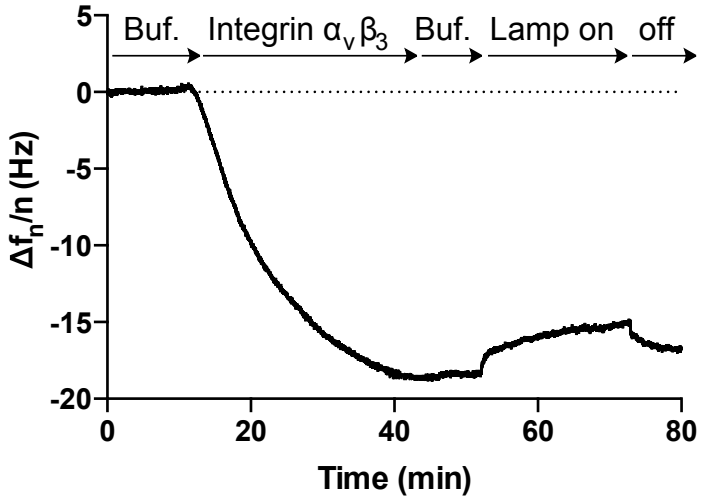

Figure S3. QCM measurements showing integrin $\alpha_v\beta_3$ binding to cRGD-modified 1 % PEG-azide surfaces. Unlike on cRGD-NO_2 modified surfaces, the bound integrin $\alpha_v\beta_3$ is not washed off from the cRGD-modified surface upon irradiated (λ = 365 nm).