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Title: Biofunctional polyethylene glycol coatings on titanium:
an *in vitro*-based comparison of functionalization methods

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Highlights

- Three Polyethylene glycol coating methods on titanium are compared.
- Physico-chemical properties of the coatings are similar.
- *In vitro* studies showed a reduction on the bacterial and mammalian cell adhesion.
- The presence of RGD improves the biocompatibility of the PEG-coated material.

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