

Supporting Information for

Comparative cell adhesion properties of cysteine extended peptide architectures

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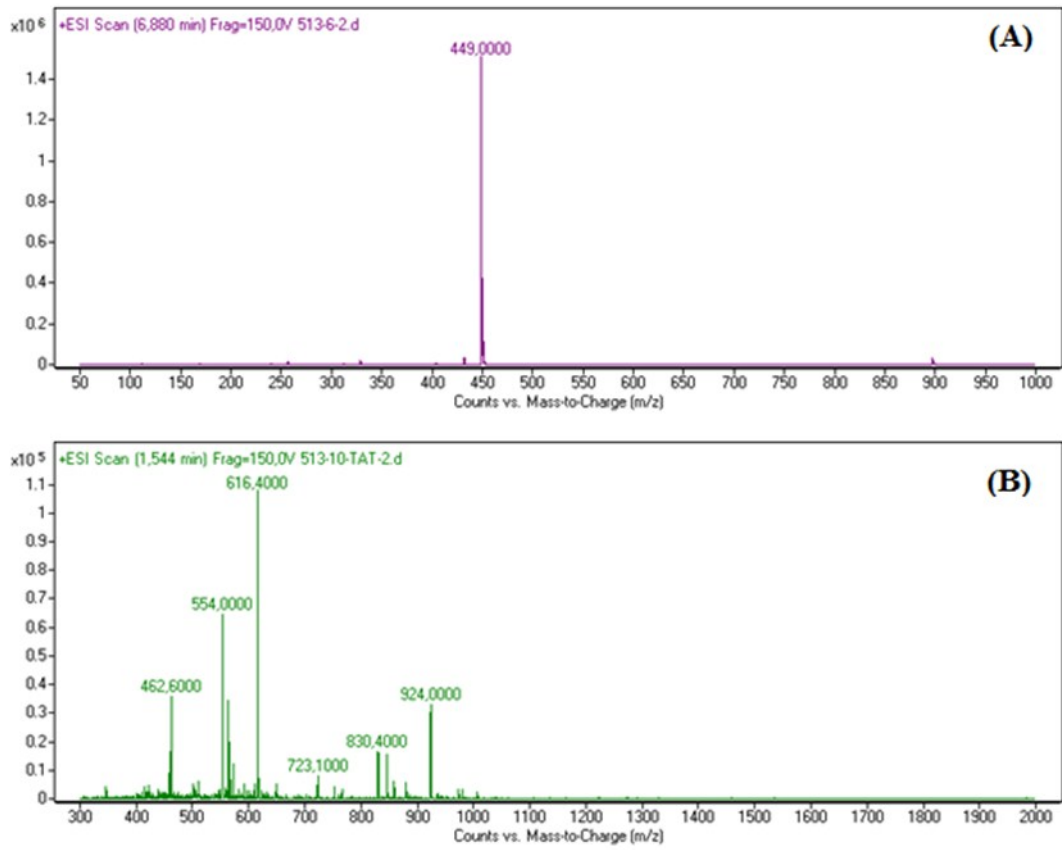


Fig. S1. Mass spectra of the (A) RGDC-NH₂ and (B) TATC-NH₂ peptides

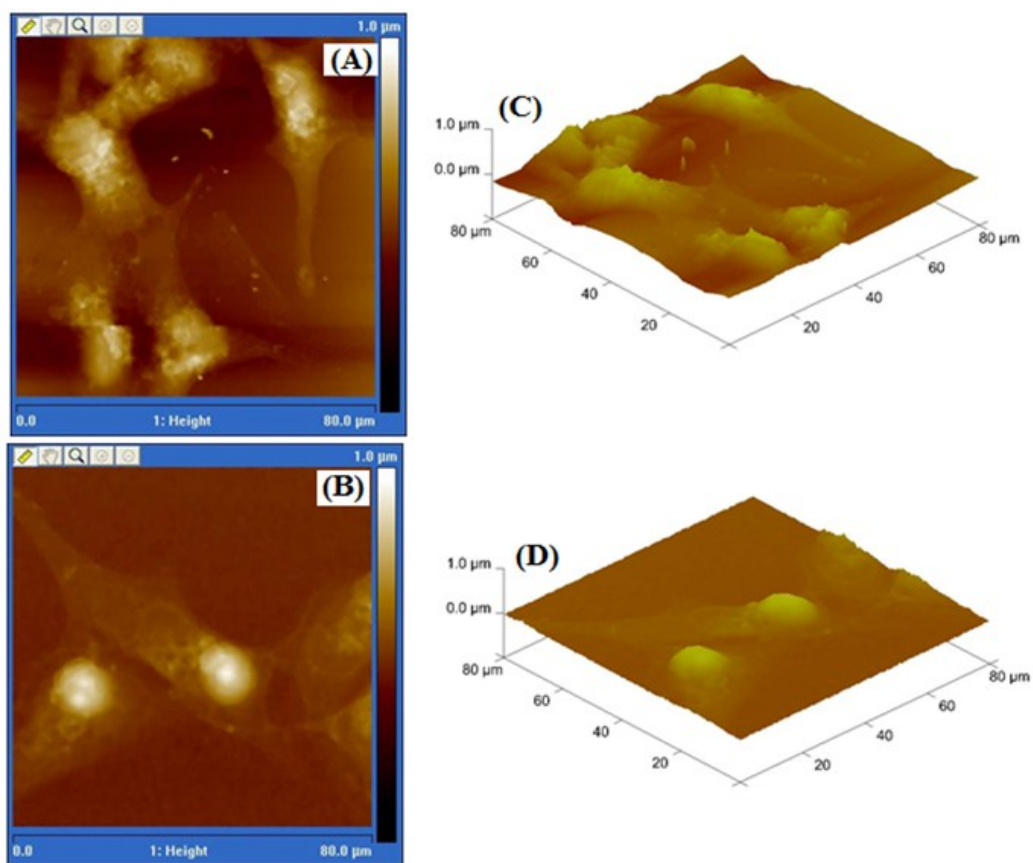


Fig. S2. 2-D (A and B) and 3-D (C and D) topographic AFM height images of U87-MG/RGDC/Gold/ITO (A and C) and U87-MG/TATC/Gold/ITO (B and D) modified electrode surface.

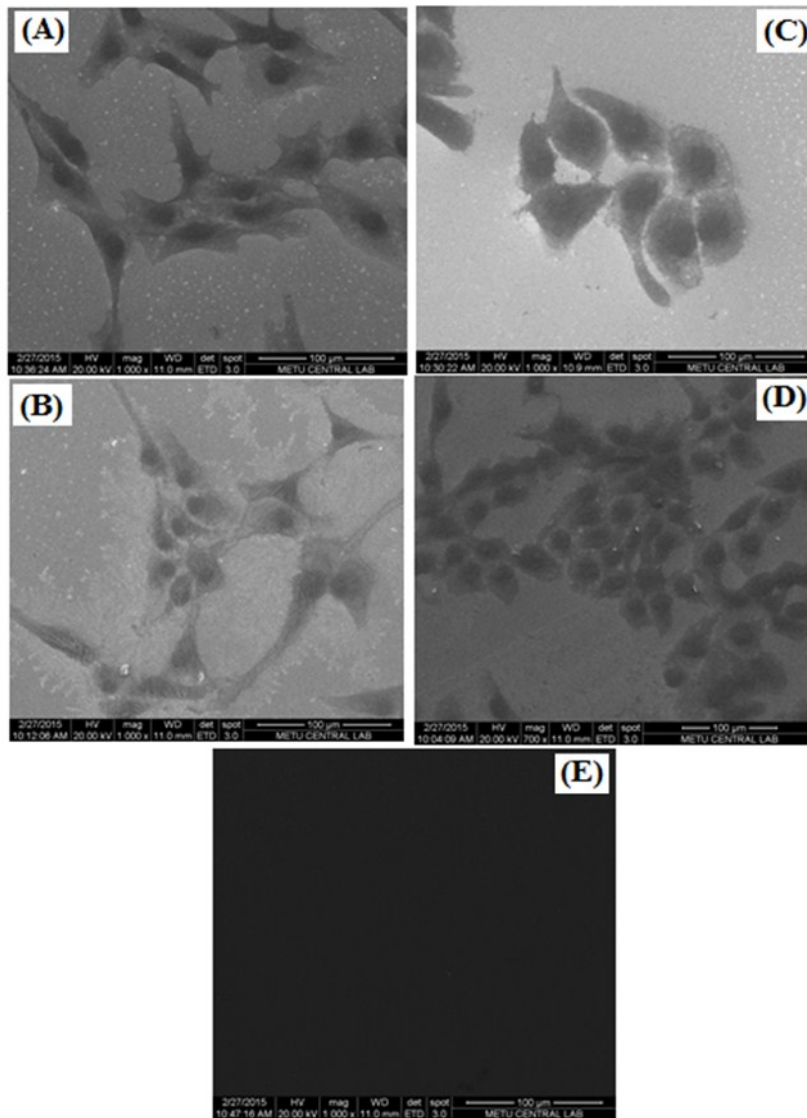


Fig. S3. Surface characteristics of (A) U87-MG/RGDC/Gold/ITO (B) U87-MG/TATC/Gold/ITO (C) Vero/RGDC/Gold/ITO (D) Vero/TATC/Gold/ITO and (E) Gold/ITO via SEM images.

Table S1. The linearity characteristics for the RGDC and TATC modified Gold/ITO surfaces within different cell lines.

Modified Surfaces	Cell lines	Linear range (Cells/mL)	Linearity Equation	R²
RGDC/Gold/ITO	U87-MG	10 - 10 ⁵	y = 0.34x + 1.48	0.994
	HeLa	10 - 10 ⁵	y = 0.32x + 0.94	0.994
	Vero	10 ² - 10 ⁵	y = 0.467x + 0.39	0.991
TATC/Gold/ITO	U87-MG	10 - 10 ⁴	y = 0.32x + 1.77	0.999
	HeLa	10 ² - 10 ⁵	y = 0.376x + 1.42	0.990
	Vero	10 - 10 ⁴	y = 0.38x + 1.59	0.988