

- Supporting Information -

Aptamer grafting onto (ON) and into (IN) pegylated gold nanoparticles: physicochemical characterization and in vitro cytotoxicity investigation in renal cells

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ADDITIONAL FIGURES

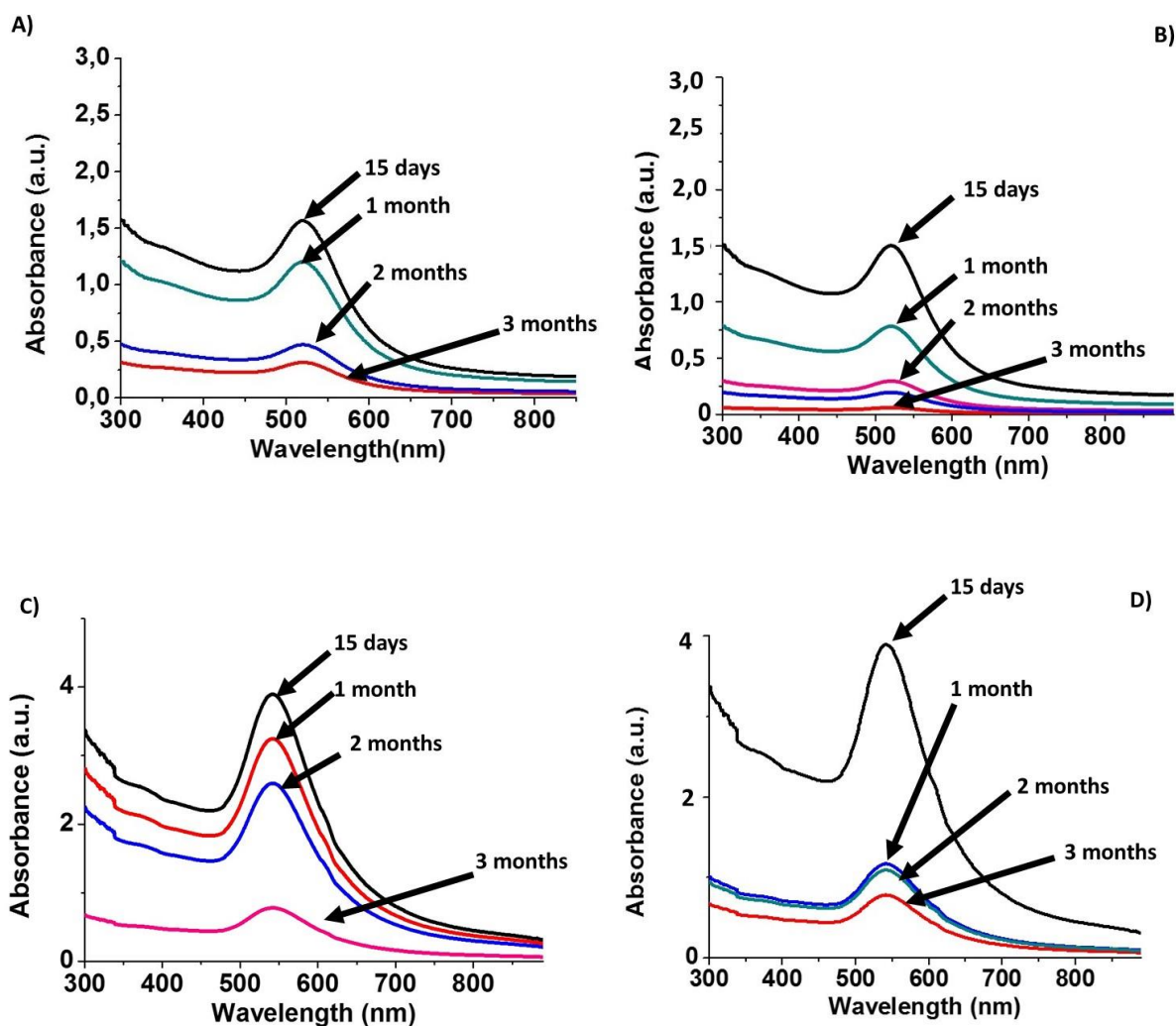


Figure S1 : Changes in the UV-Vis absorption spectra of APT AuNPs when incubated in buffer solution at pH 7 (**A: APT ON PEG-AuNPs; C: APT IN PEG-AuNPs**) and pH 5.5(**B: APT ON PEG-AuNPs; D: APT IN PEG-AuNPs**) up to three months.

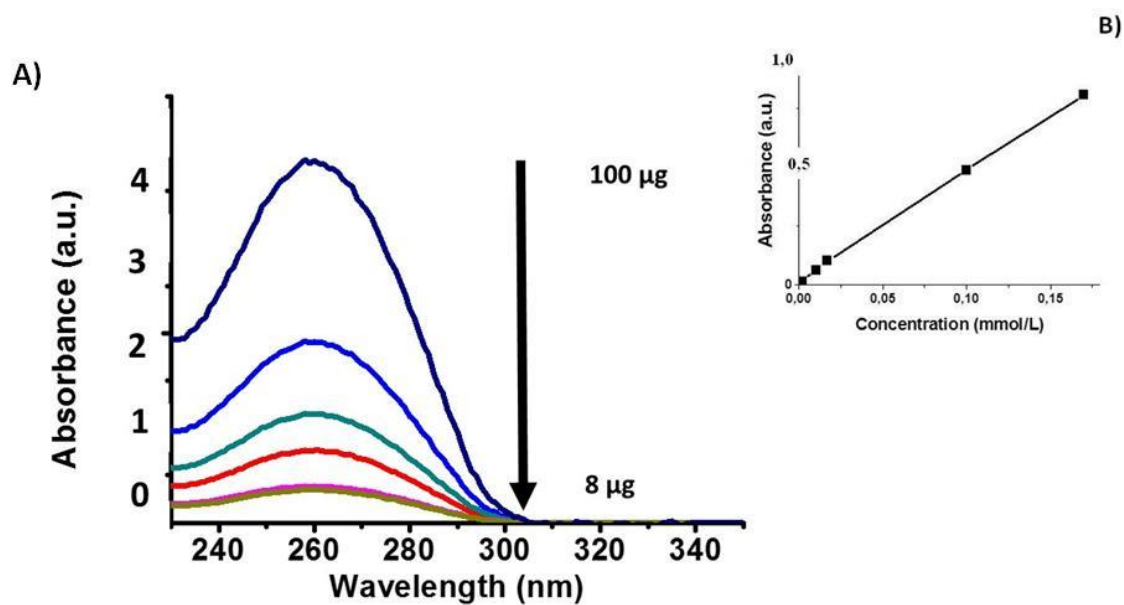


Figure S2: (A) UV-Vis absorption spectra of APT at increasing known concentrations. (B) A calibration curve ($R^2 = 0.9997$) was extrapolated from such measurements. The amount of APT molecules contained into APT ON PEG-AuNPs, APT ON PEG-AuNPs were estimated based on this curve.

ADDITIONAL TABLES

Raman peaks (cm ⁻¹)	Attribution
833	Désoxyribose
1058	PO ²⁻
1137	COC
1270	COH
1371	Thymine
1455	CO
1536	Adénine
1640	H ₂ O
1731	C=O
1771	C=O (carbodiimide bond)

Table S1: Raman band assignment for the APT and vibrational modes in the range spectral 800-1800 cm⁻¹.