

Supplementary information

Polymeric biocompatible iron oxide nanoparticles labeled with peptides for imaging in ovarian cancer

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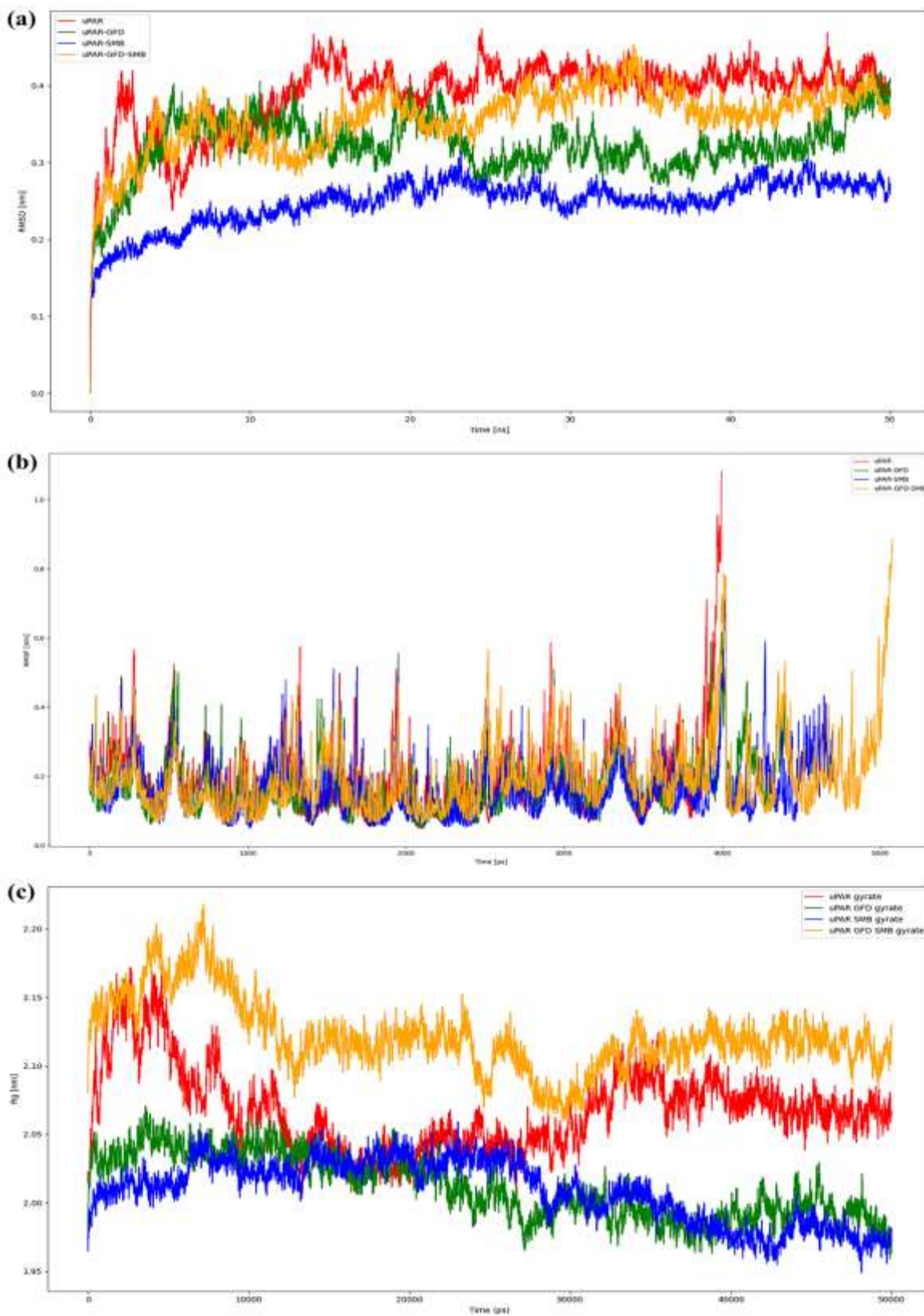


Fig. S1. Result from 50 nano second (ns) molecular dynamics simulation. **(a)** RMSD fluctuation, **(b)** Residual RMSF, **(c)** Radius of gyration (Rg).

Table S1. (a.i.) Hydrodynamic diameter and **(a.ii.)** zeta potential of different nanoconjugates of IONPs.

a.i	Sample	pH 3	pH 7.4	pH 9
	IONPs	78	34	168
	IONPs/C	77	51	945
	IONPs/C-G	659	65	3478
	IONPs/C-S	940	66	1527
	IONPs/C-GS	637	77	3980
a.ii	Sample	pH 3	pH 7.4	pH 9
	IONPs	16.3	-24	-21
	IONPs/C	7.2	22	2.7
	IONPs/C-G	21.4	21	-7.86
	IONPs/C-S	9.9	20	-8.4
	IONPs/C-GS	24.9	18	-15.35