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Mapping heterogenicity of the protein corona by ex-vivo magnetic levitation

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Figure S1: Levitation profiles of standard fluorescent polyethylene microspheres in MagLev using 0.1 M, 0.15 M, 0.20 M, 0.25 M, and 0.30 M GV in PBS. All density value (ρ) units are g/cm³.



Figure S2: Experimental results showing the reproducibility of the levitation profiles of the various sizes of polystyrene NPs incubated with plasma proteins at different times presented in Figure 3.



Figure S3: Levitation profiles of various sizes of bare and corona coated polystyrene NPs incubated with plasma proteins at various times (15 μ l of NPs mixed with 100 μ l of protein).



Figure S4: Typical extraction process of appeared bands in the MagLev system: (1) before extraction of top band, (2) in the middle of the extraction of top band (3) end of extraction of top band, (4) before extraction of bottom band, (5) in the middle of the extraction of bottom band and (6) end of extraction of bottom band.



Figure S5: TEM images showing the size distribution of bare polystyrene NPs used in this study with various sizes at different magnifications (a) 60 nm, (b) 100 nm and (c) 500 nm.