

Environmentally Responsive Histidine-Carboxylate Zipper Formation between Proteins and Nanoparticles

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Supporting figures:

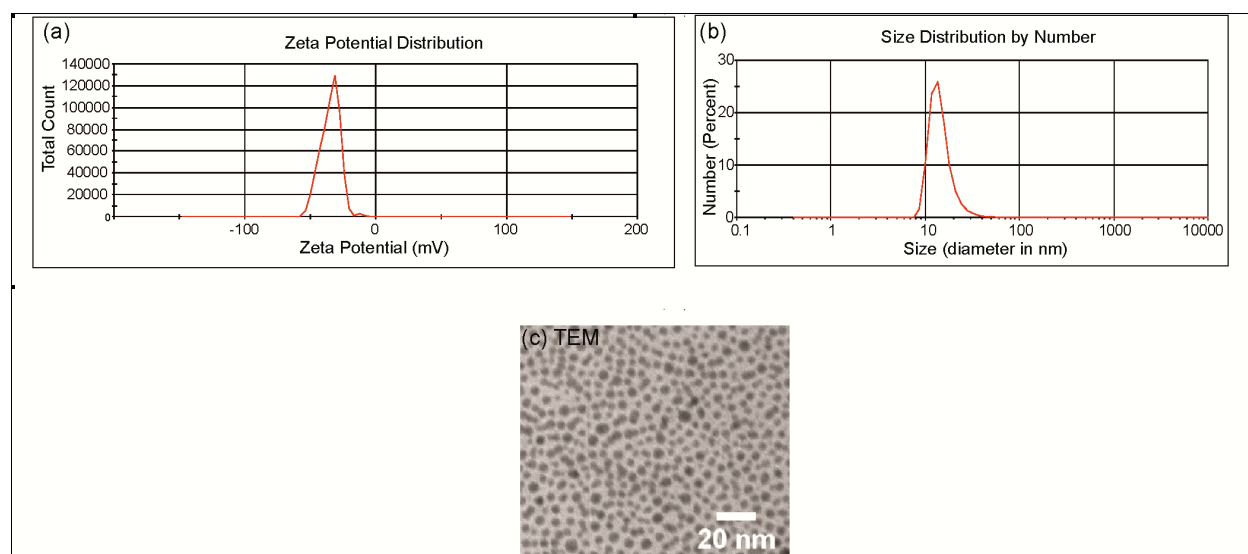


Fig. S1 Characterization of AuNP-COOH. (a) Zeta potential (-34.8 ± 3.1 mV, measured at 5 mM PB, pH 7.4), (b) Dynamic light scattering (DLS) diameter (14.1 ± 1.2 nm, measured at 5 mM PB, pH 7.4), and (c) TEM image of AuNP-COOH.

EGFP protein sequence¹:

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MVSKGEELFTGVVPIVELDGDVNGHKFSVSGEGEGDATYGKLT LKFICTTGKLPVPWPTLVTTFTYGVQCFSRYPDH  
MKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNNSHNVYIMAD  
KQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGPVLLPDNHYLSTQSALS KDPNEKRDH MVLLFEVTAAGITHGM  
DELYK
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1 B. P. Cormack, R. H. Valdivia and S. Falkow, *Gene*, 1996, **173**, 33.