

Supplementary Information

Au@carbon dot nanoconjugates as dual mode enzyme-free sensing platform for Cholesterol

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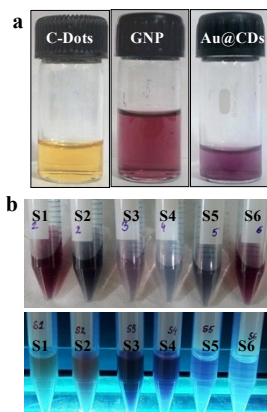


Figure S1: Photographs of C-dots, GNP only and Au@CDs and pictures of Au@CDs synthesized at varying HAuCl₄ concentration taken under daylight and UV light.

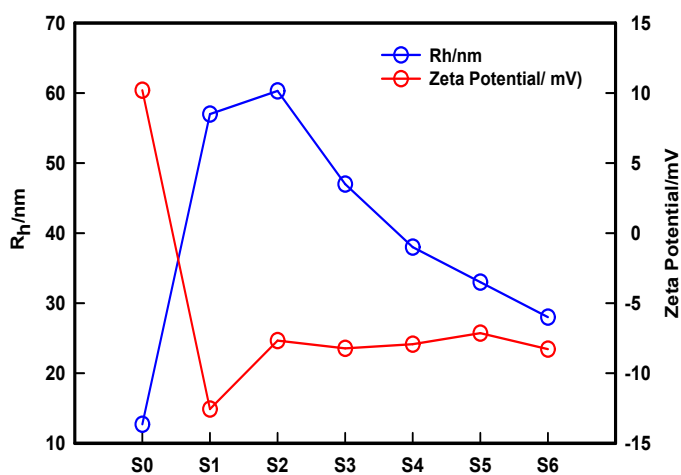


Figure S2: Plot showing the zeta potential and hydrodynamic radius of particles synthesized at different HAuCl_4 concentration.

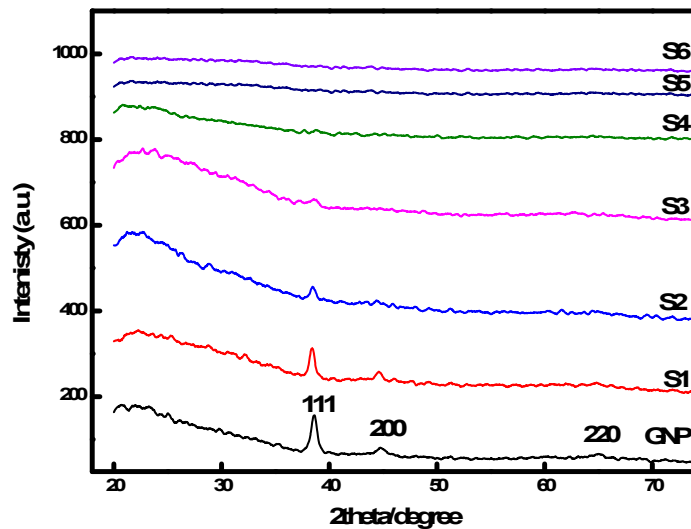


Figure S3: XRD spectra of GNP and Au@CDs synthesized at varying concentration of HAuCl_4 .

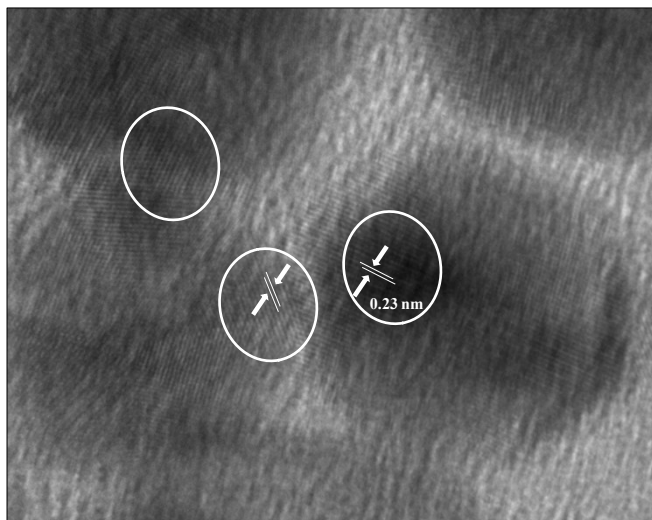


Figure S4: HRTEM image of synthesized Au@CDs. The atomic spacing was found to be 0.23 nm which corresponds to (111) plane.