Electronic Supplementary Information

Resonant excitation energy transfer from carbon dots to different sized silver nanoparticles

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**Fig. S1** Powder XRD pattern of the synthesized CD.
Fig. S2 FTIR spectrum of Ag NPs.
**Fig. S3** Changes in the absorption spectra of CD upon addition of 20 pM s, m, l – Ag NPs.
Fig. S4 Normalized excitation spectra of CD ($\lambda_{em}$ = 495 nm) upon addition of 20 pM s, m, and l – Ag NPs.