Supplementary information

Evolution of Biofunctional Semiconductor Nanocrystals: A Calorimetric Investigation

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It is observed that the characteristics of UV-Vis and photoluminescence spectra of the end products of calorimetric titration, given in the manuscript are similar to that of our earlier works.\textsuperscript{1,2} A typical absorption and luminescence spectra of Cys-CdS from our earlier work\textsuperscript{1} is shown in figure S1.

Figure S1. Typical absorbance and PL spectra of Cys-CdS
Figure S2 (a). shows the absorbance and luminescence spectra of end product of calorimetric titration for BSA-CdS at pH6 and Figure S2 (b) shows the UV-Vis and PL spectra of BSACdS from our previous work\(^2\).

Fig. S2. UV and PL spectra of BSA capped CdS NPs: (a) end product of calorimetric titration and (b) synthesized following usual procedure from our earlier work\(^2\).

**Reference**
