

Supporting Information

Self-Assemblies from RNA Templated Colloidal CdS Nanostructures

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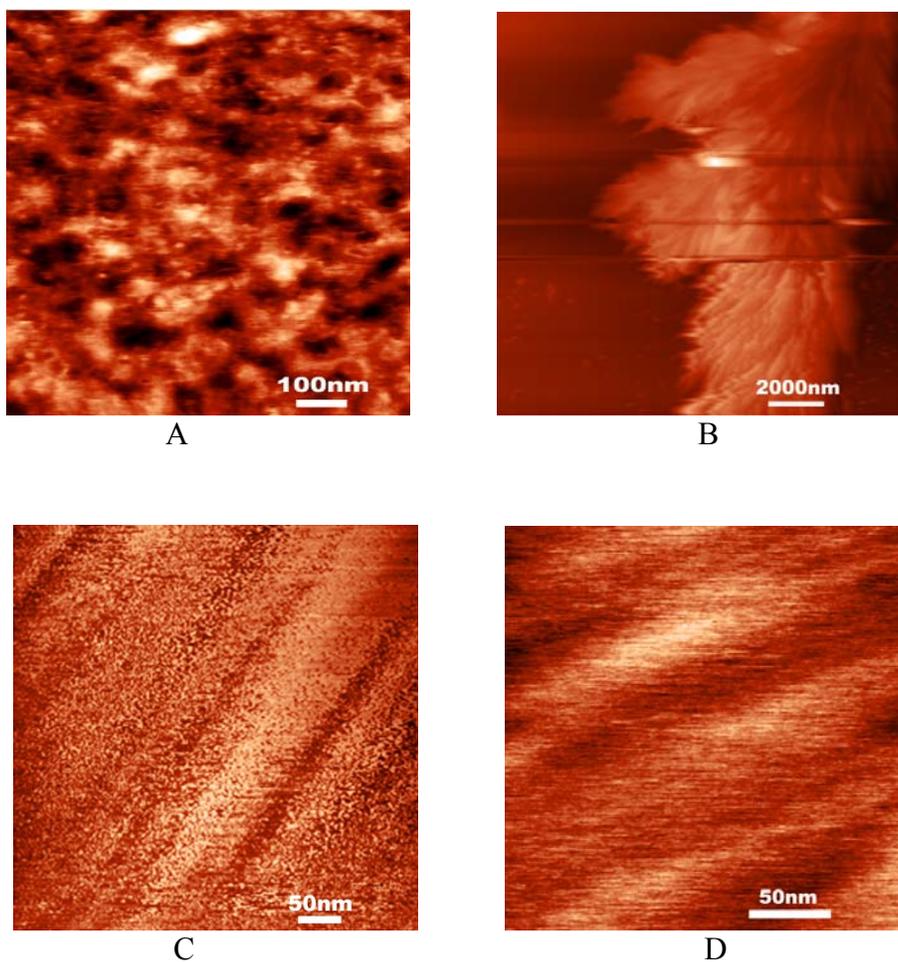


Figure S1: 2D AFM images of CdS having Cd/S molar ratio: **2** - Fresh (A), Two Months Aged (B), **4** - Fresh (C), Two Months Aged (D).

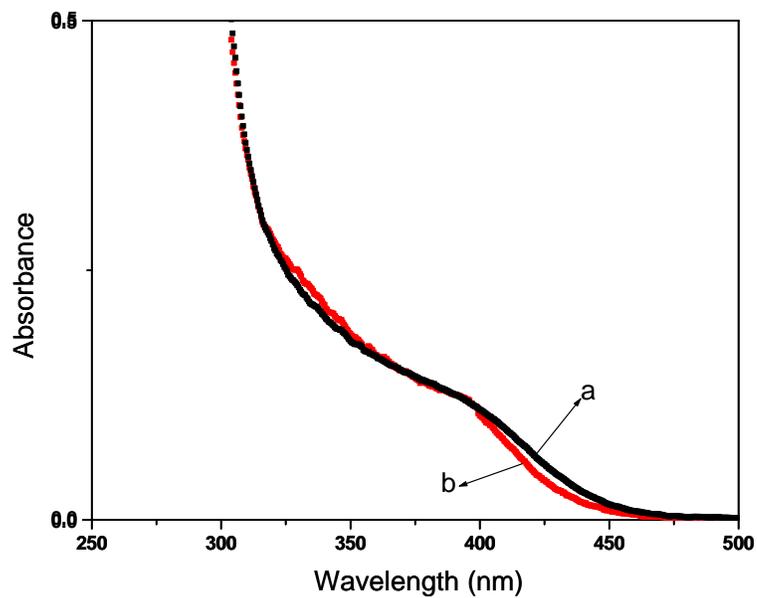


Figure S2A: Absorption spectra of CdS having Cd/S 4: Fresh (a); Two Months Aged (b).

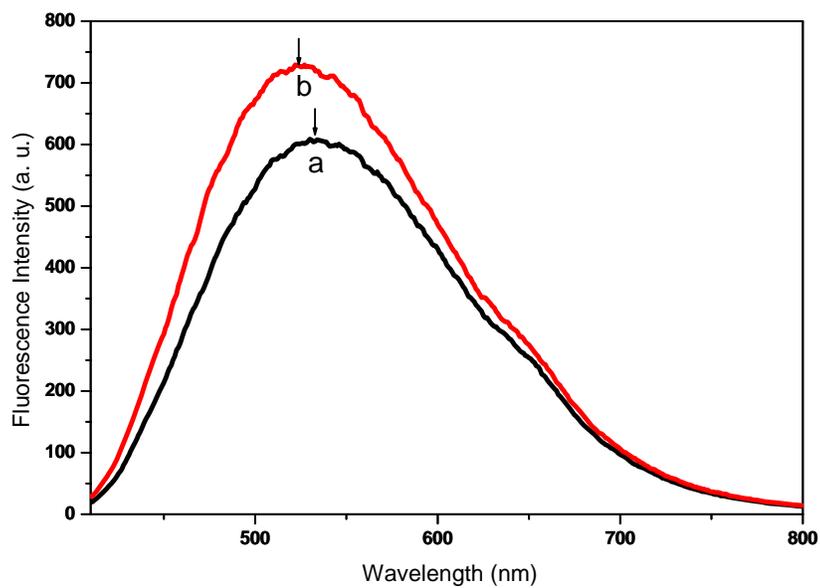


Figure S2B: Fluorescence spectra of CdS having Cd/S 4: Fresh (a); Two Months Aged (b). λ_{ex} 380nm

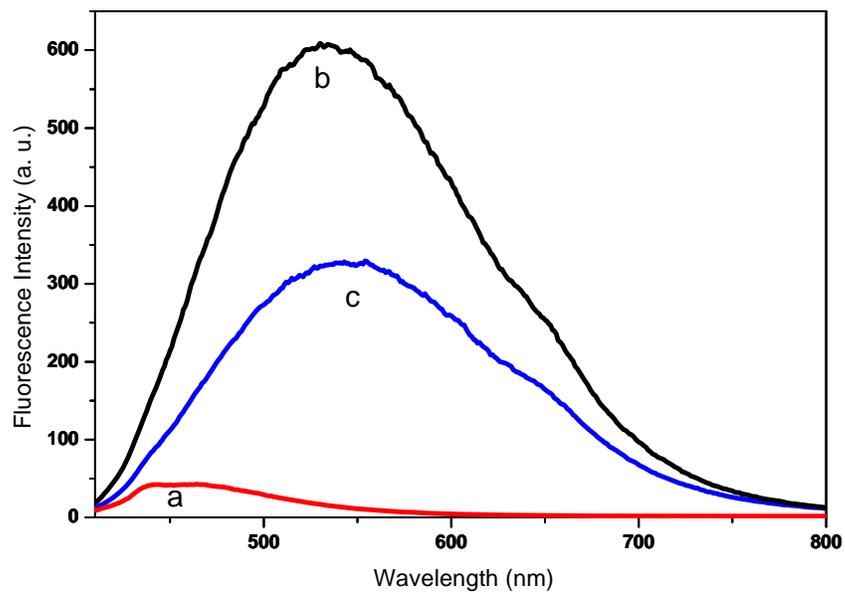


Figure S3: Fluorescence spectra of RNA-Cd²⁺ (a); RNA-CdS at pH 9.2 containing molar ratio of Cd/S 4 (b); RNA-CdS containing molar ratio of Cd/S 2 at pH 9.2 activated by raising its pH to 11 followed by addition of excess Cd²⁺ to make molar ratio of Cd/S 4 (c). λ_{ex} 380nm.