Supporting Information

DNA Stabilized Silver Nanoclusters as the Fluorescence Probe for Studying the Structural Fluctuations and the Solvation Dynamics of the Human Telomeric DNA

Hung-Chi Hsu, Meng-Chieh Ho, Kai-Hung Wang, Ying-Feng Hsu, and Chih-Wei Chang*
Figure S1: The excitation spectra for the green emissive AgNCs (—) and the red emissive (—) AgNCs.
Figure S2: The Na⁺ titration experiment of the AgNCs synthesized in poly (methacrylic acid) (M.W.=4000-6000).
Figure S3: The fluorescence recovery experiment of Hum 22-AgNCs in the 200 mM Na⁺ containing solution. After removing the Na⁺ ion, the fluorescence at 520 nm is completely recovered, while the fluorescence at 620 nm is partially recovered due to the oxidization of AgNCs.
Figure S4: The fluorescence decays of the Hum 22-AgNCs upon the 550 nm excitation
Figure S5: (a) The fluorescence decays, the TRES and (b) the spectral relaxation dynamics of the Hum 22-AgNCs embedded in the PVA film.