

Supporting Information for “Emission enhancement and lifetime modification of phosphorescence on silver nanoparticle aggregates”

Kinetics of the intensity enhancement factor for the Ru-based dye

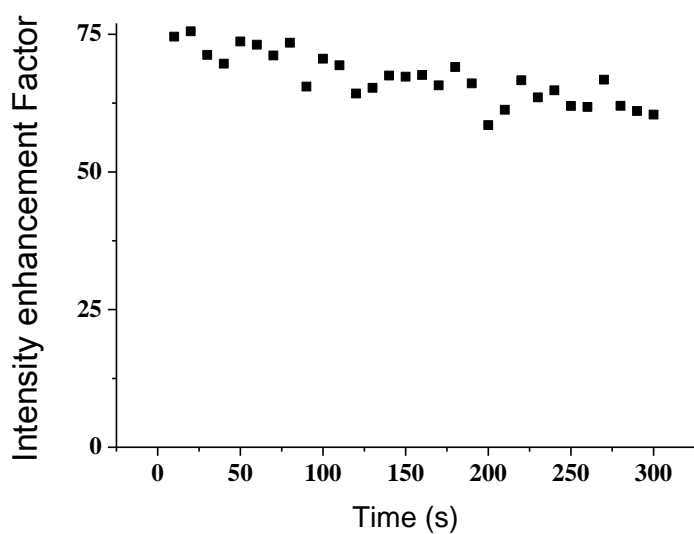


Figure S1: Time dependence of the intensity enhancement factor for the Ru-based dye.

Lifetime measurement for MB in silver nanoparticle aggregates

We have repeated previously reported experiments^[1] using a streak-camera setup to measure the fluorescence lifetime for MB-DNA in silver nanoparticle aggregates, Figure S1.

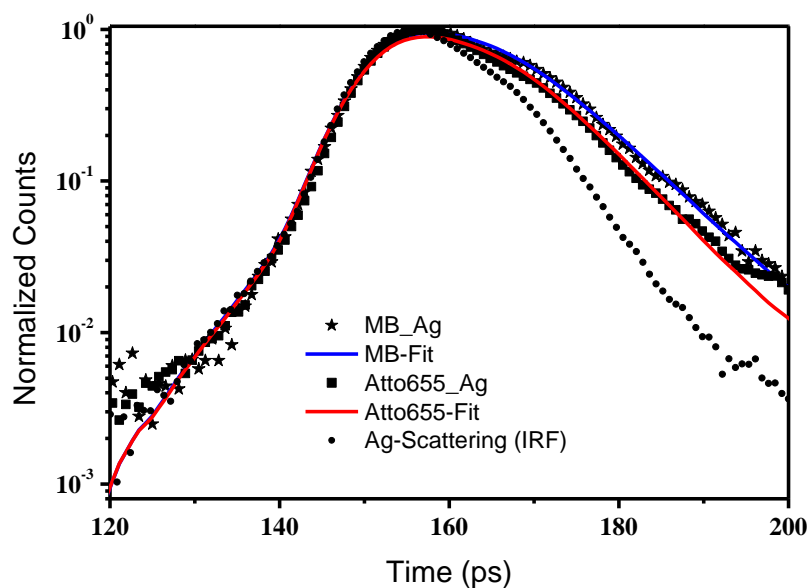


Figure S2: Emission lifetime for MB-DNA and Atto655-DNA in the presence of aggregated silver nanoparticles.

References:

[1] R. Gill, L. Tian, W. R. C. Somerville, E. C. Le Ru, H. van Amerongen, V. Subramaniam *J. Phys. Chem. C.* **2012**, 116, 16687-16693.