Nuclear Uptake of Ultrasmall Gold-Doxorubicin Conjugates Imaged by Fluorescence Lifetime Imaging Microscopy (FLIM) and Electron Microscopy

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Electronic Supplementary Information: this file contains Figures S1-S3

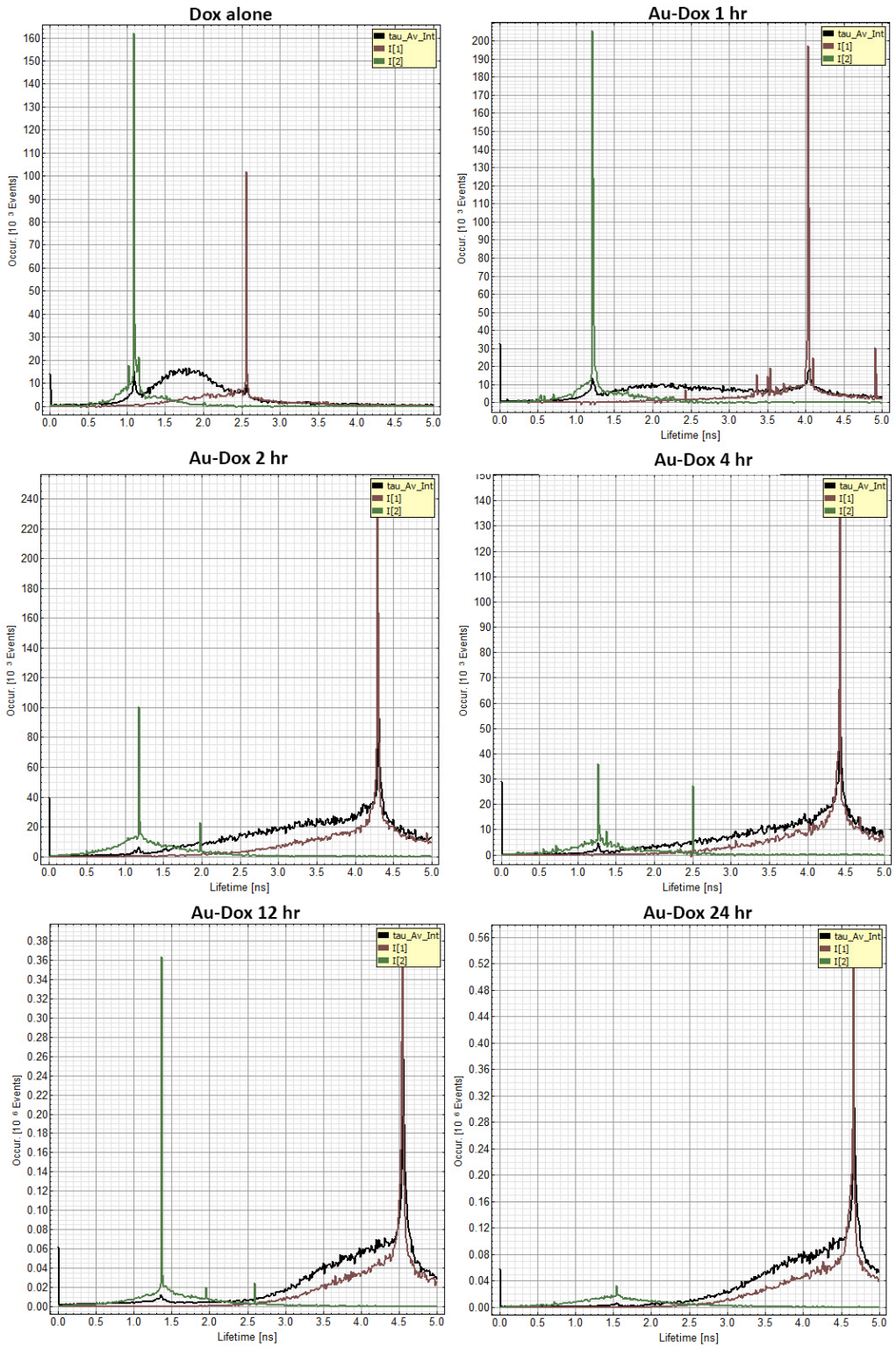

Figure S1. Histograms of pixel-by-pixel fits to a 2-component decay with a longer component (I1) and a shorter component (I2). Note the longer component ~2.6 ns in Dox alone that is seen only very weakly in the Au-Dox samples.

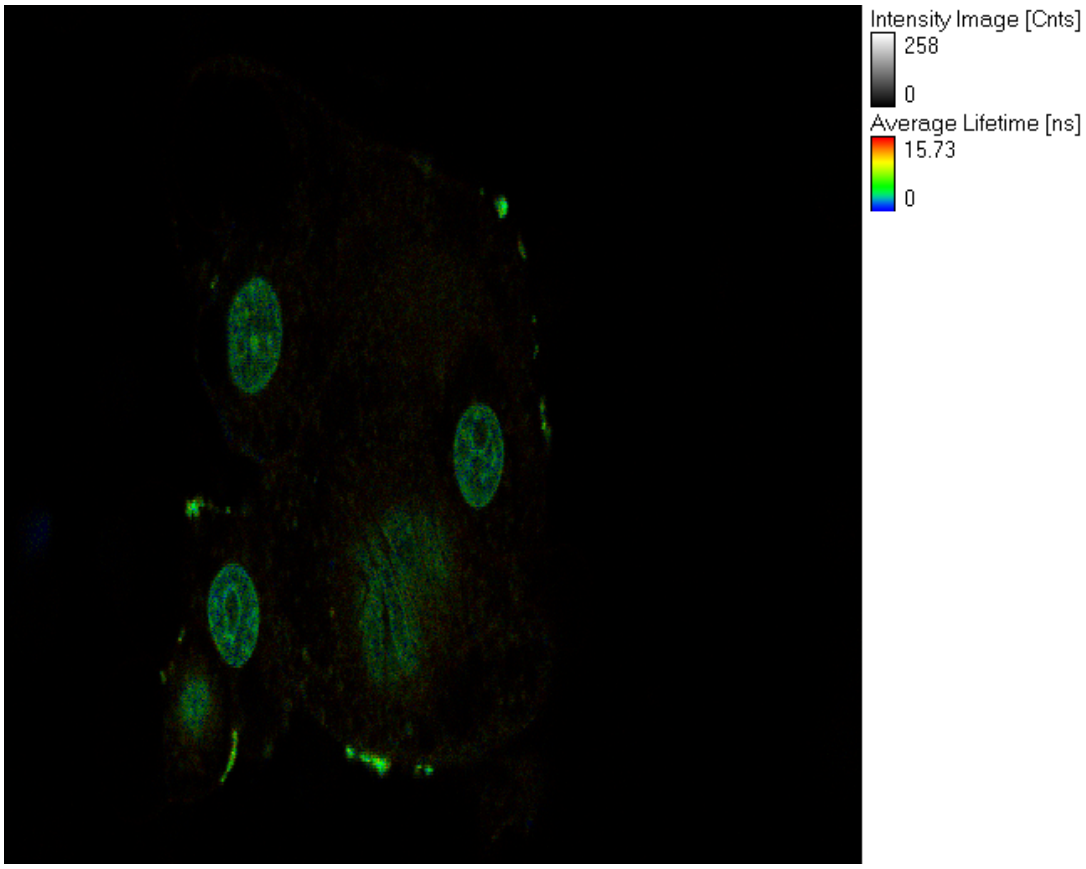

Figure S2. FLIM image of cells incubated with unconjugated Au nanoparticles and free Dox for 1 hr.

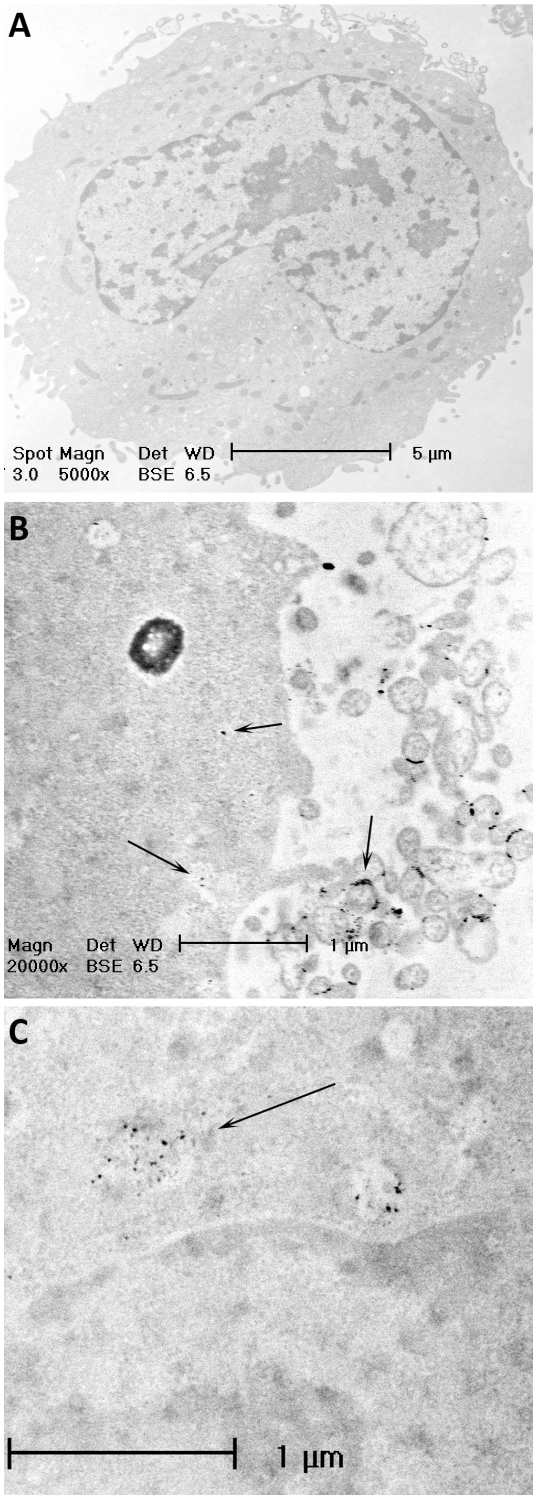

Figure S3. Control TEM images. (A) Cells incubated with Dox only for 1 hr. The dark areas indicative of Au are absent. (B) Unstained cells incubated with Au-Dox. Some clusters of Au particles are seen (arrows). (C) Unstained image of cells incubated with Au-Dox at high magnification. The arrow shows an endosome containing many discrete Au particles.