



Supplemental Figure 1 Cellular viability after treatment with various concentrations of Au NPs calculated based on total surface area. All of the Au NPs were toxic to the HaCaT cells in a concentration-dependent manner, with toxicity beginning at 20.77 cm²/ml for both charged particles and 51.92 cm²/ml for the neutral particles. (*Denotes significance in comparison to control values p<0.05).