Nanoconjugation Enhances EGF-induced Apoptosis

Specific Aims:
1. Size and EGF Surface density of nanoconjugation influence to EGF induced apoptosis.
2. Spatial and temporal distribution and intracellular trafficking of EGF-NPs

Left: Caspase-3 Activity of A431 cells with different treatment.
Right: Caspase-3 Activity of HeLa cells with different treatment.
P1: 0.06nm 40nm PEGylated NPs, P2: 0.06nm 40nmPEGylated NPs+1.6nM EGF, P3: 0.06nm 40nmEGF-NPs