Supplementary/Supporting Information

Induction of Apoptosis in Human Cancer Cells by Targeting Au Nanoparticle to Mitochondria

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Figure S1 Scheme of maltotriose-modified 3rd generation PPI dendrimers used in this study.
Figure S2. Scanning Electron Microscopy image of citrate stabilized AuNPs (20 nm) used in this study.
**Figure S3.** Brightfield (left column), caspase 3 fluorescence staining (middle column) and overlay (right column) images of Caspase 3 activity of transfected cells. The top row shows non-transfected cells (dendrimers (a-c), in the middle row, cells transfected with HA-eGFP (d-f), and the bottom row shows cells transfected with mitoTGFP (g-i). All images were taken under same conditions. The scale bar is 30 µm.
Figure S4: TEM images showing two different uptake mechanisms of dendrimer mediated mitoGFP-AuNP bioconjugates. In (a) bioconjugates were taken up through invagination of the cell membrane. In (b) bioconjugates were taken up through formation of pseudopodia wrapping over the bioconjugates.