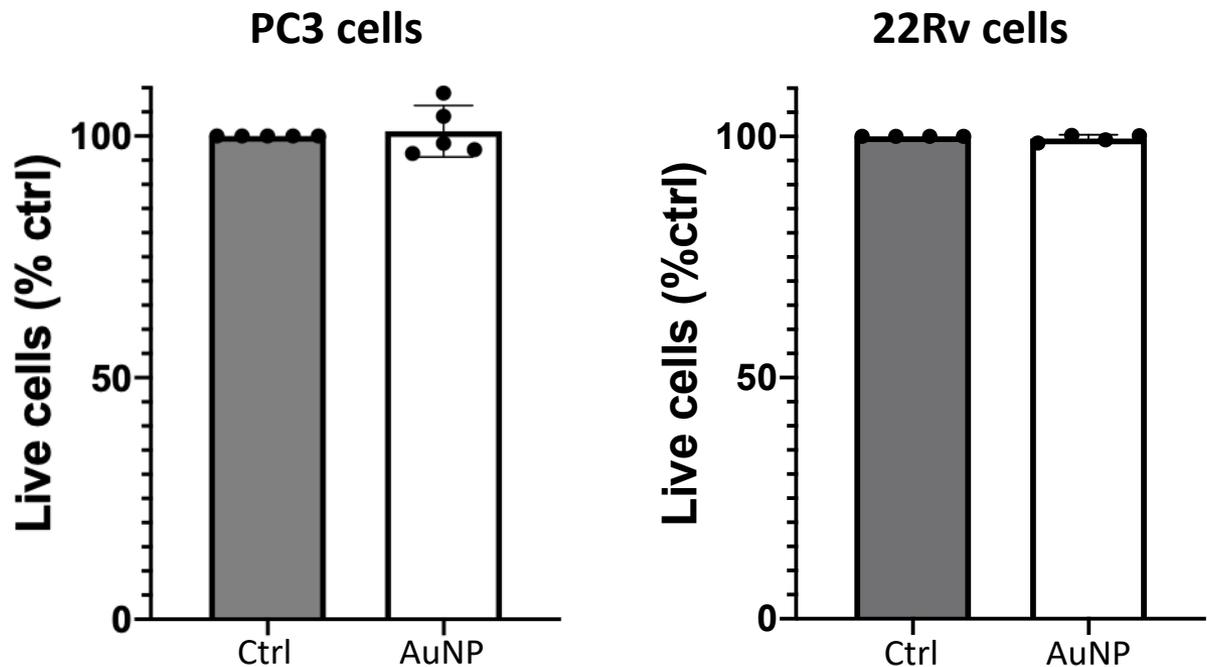
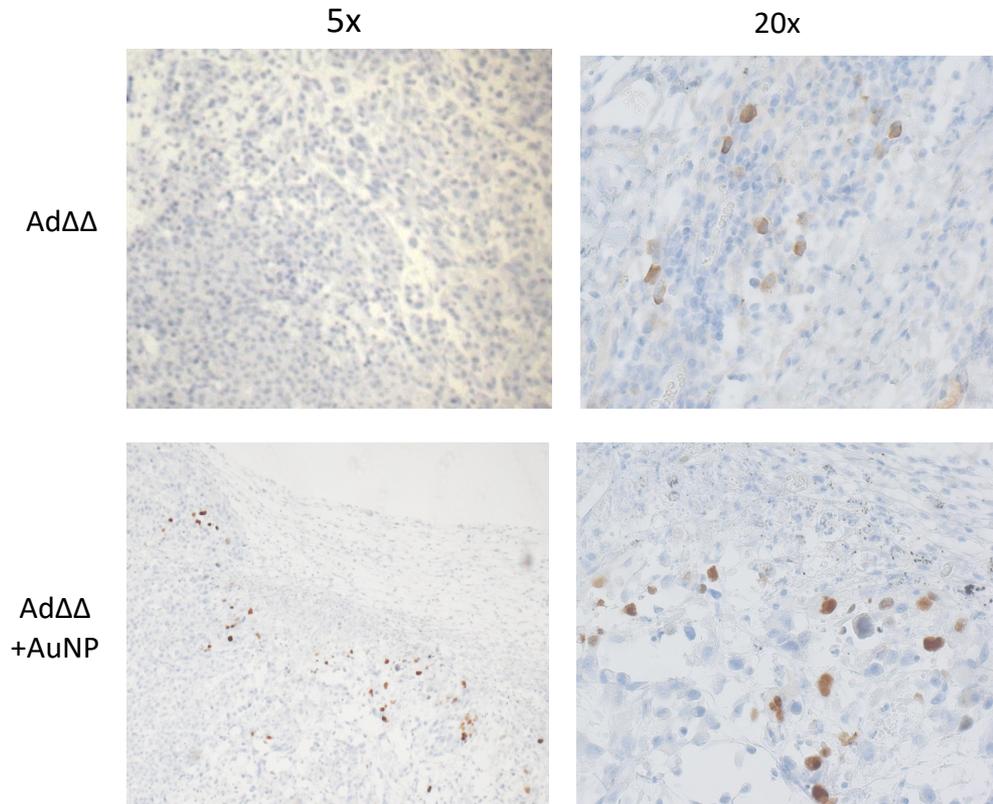


Supplementary Figure S1



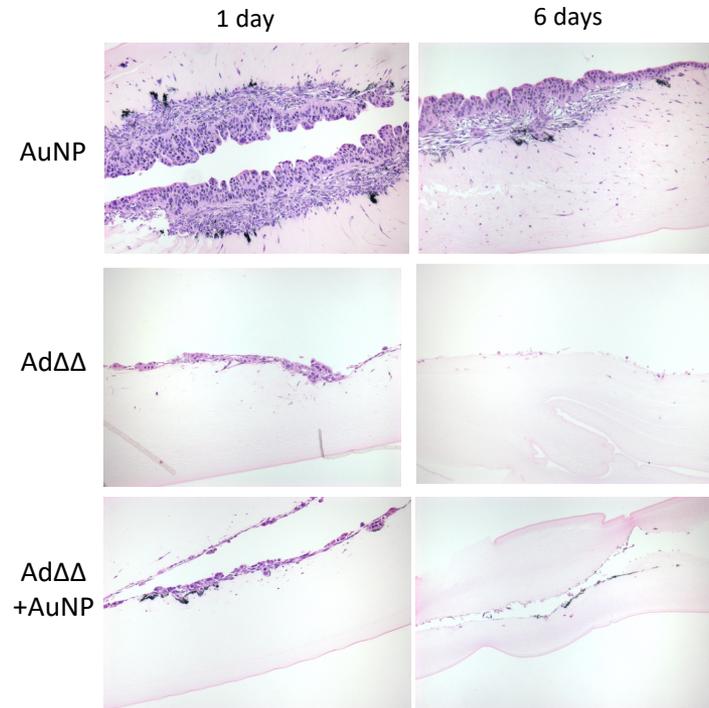
Supplementary Figure S1. AuNPs alone are not cytotoxic to PCa cells. Cells were treated with and without AuNPs at 0.5pmol. Cell viability was measured by MTS assay 4d after infection, n=4, each in triplicate.

Supplementary Figure S2



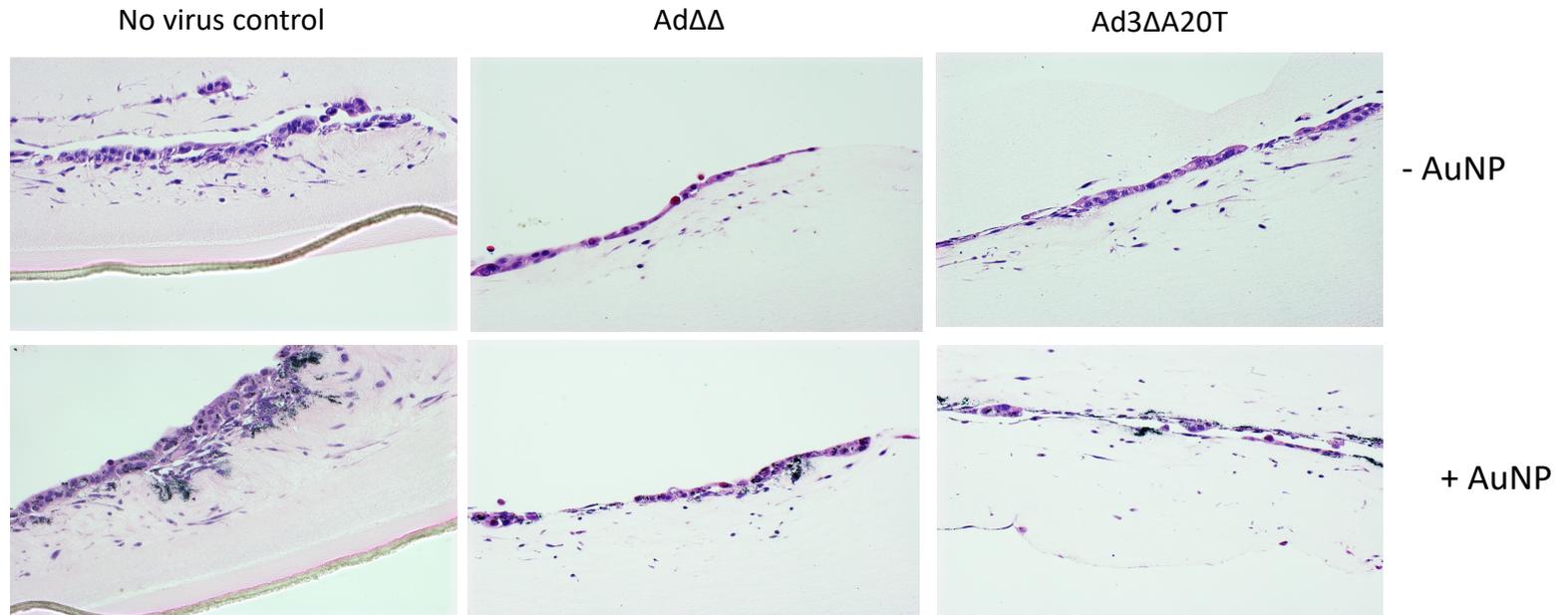
Supplementary Figure S2. Efficacious infection and spread of Ad $\Delta\Delta$ after administration of Ad $\Delta\Delta$ /AuNPs intravenously in PC3 xenografted tumours in athymic mice. PC3 xenografts (5×10^6 cells in Matrigel, 1:1), injected intravenously with Ad $\Delta\Delta$ (1×10^{10} vp) \pm AuNP (0.2 pmol) in total 150 μ l. Staining for E1A and H/E 25 days after viral administration, two animals/group, representative images.

Supplementary Figure S3.



Supplementary Figure S3. Ad $\Delta\Delta$ complexed with AuNPs efficiently infect and spread in three-dimensional co-cultures of Panc04.03:PS1 cells. Co-cultures of Panc04.03:PS1 (1:2) cells infected with Ad $\Delta\Delta$ at 50ppc with or without AuNPs at 0.2pmol, H/E staining. Cells were cultured for 3d prior to infection with Ad $\Delta\Delta$ \pm AuNPs, and fixed and processed for IHC at 1 and 6 days of infection, 10x magnification, representative images.

Supplementary Figure S4



Supplementary Figure S4. Ad-3 Δ -A20T complexed with AuNPs efficiently infect and spread in three-dimensional co-cultures of Panc04.03:PS1 cells. Organotypic cultures were infected with Ad-3 Δ -A20T or A $\Delta\Delta$ at 10ppc with or without AuNPs at 0.2 μ mol, H/E staining after 2 days of infection, 20x magnification, representative images.