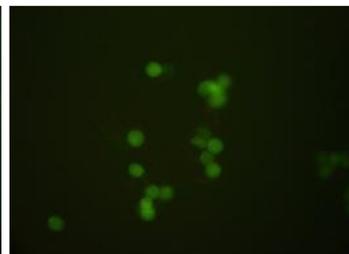
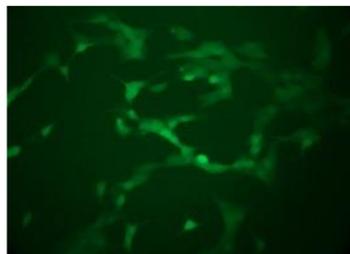
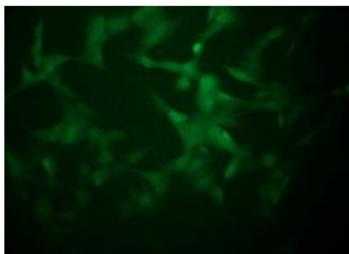
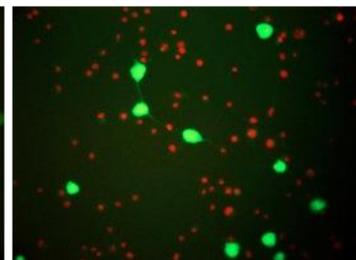
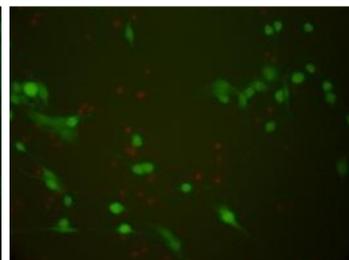
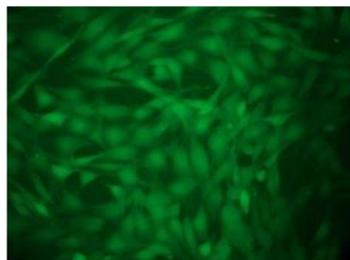
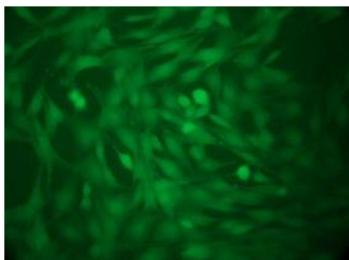
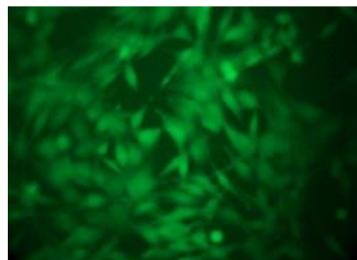
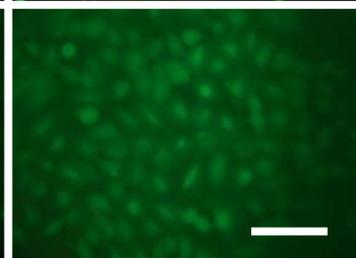
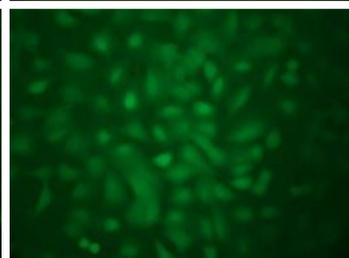
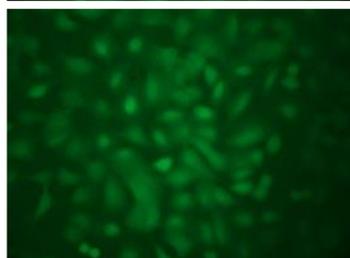


Supplementary Materials

Figure 3 suppl data

Figure 3 Supplement data

Membrane integrity evaluation after 4-48 h exposure to increasing concentrations of AgNP (1-100 $\mu\text{g}/\text{ml}$). Representative images of randomly selected microscopic fields of cells (SH-SY5Y, D384, or A549) stained with calcein-AM/PI after 4 (A), 24 (B) and 48 (C) h exposure to increasing concentrations (1-100 $\mu\text{g}/\text{ml}$) of AgNPs. Green fluorescence patterns of both cerebral cell lines were similar to the controls at doses ranging 1 to 25 $\mu\text{g}/\text{ml}$ at time points (4, 24 and 48 h). A strong decrease in cell viability was observed as evidenced by the presence of numerous red coloured cells (indicating damage to the cell membrane) at the highest doses (50-100 $\mu\text{g}/\text{ml}$). After 24 and 48 h, the cytotoxic effect of AgNPs was exacerbated. Fluorescence images of A549 cells (A, B, C) showed uniformly diffused green fluorescence, and normal cell morphology for all treatment concentrations (1-100 $\mu\text{g}/\text{ml}$), was observed a slight decrease of cell viability after 48 h exposure only (scale bar 100 μm).

A**AgNP Concentration ($\mu\text{g/ml}$)****1****10****25****50****100****SH-SY5Y
Cells****D384
Cells****A549
cells**

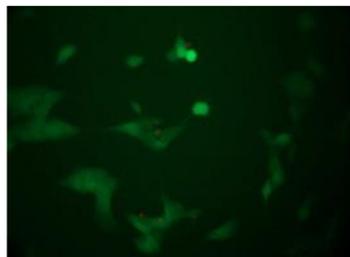
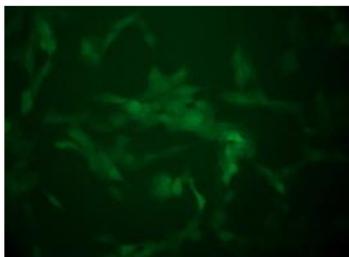
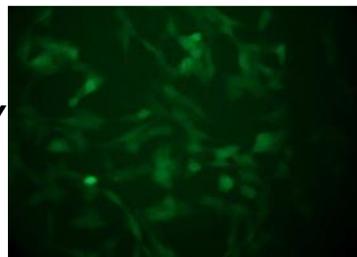
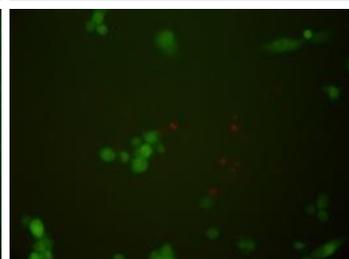
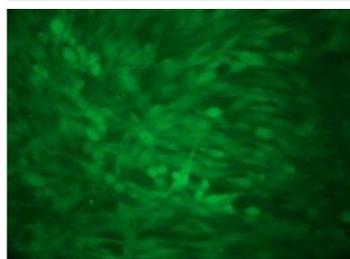
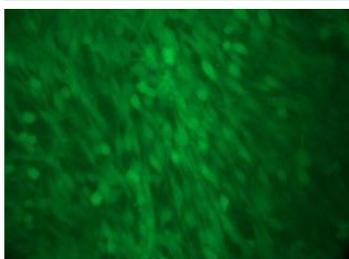
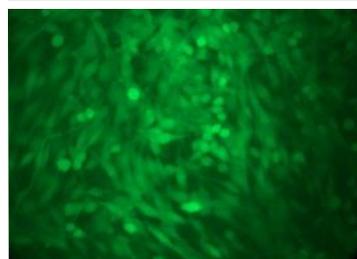
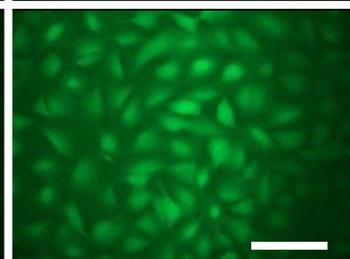
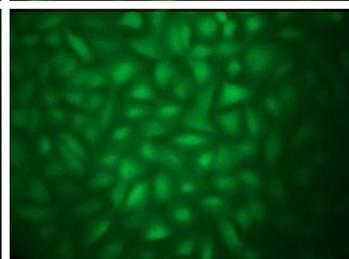
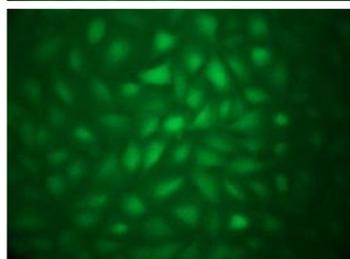
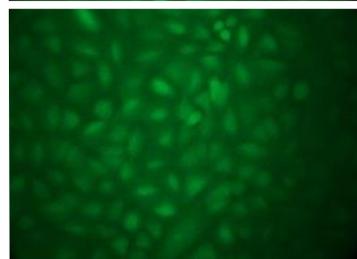
B**AgNP Concentration ($\mu\text{g/ml}$)**

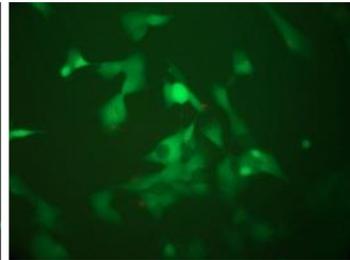
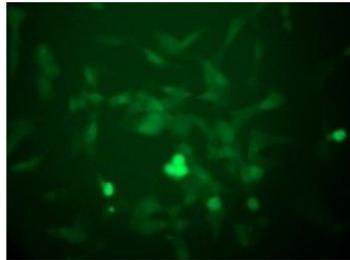
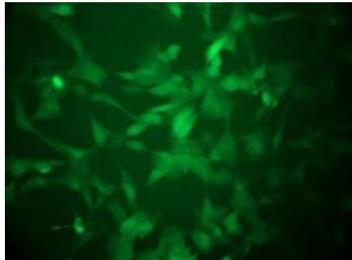
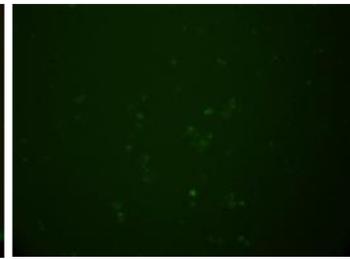
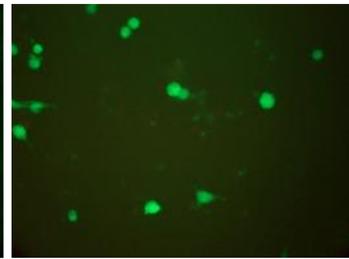
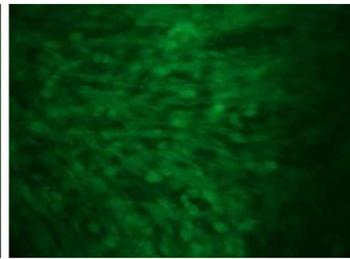
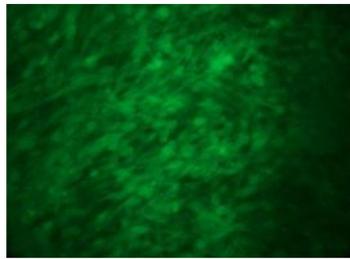
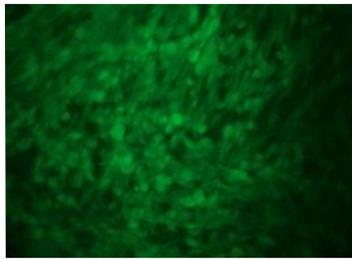
10

25

50

100

SH-SY5Y
CellsD384
CellsA549
cells

C**AgNP Concentration ($\mu\text{g/ml}$)****1****10****25****50****100****SH-SY5Y
Cells****D384
Cells****A549
cells**