FIGURE 1

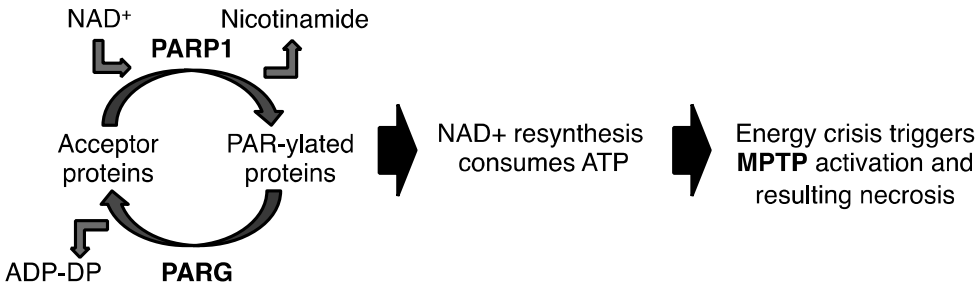
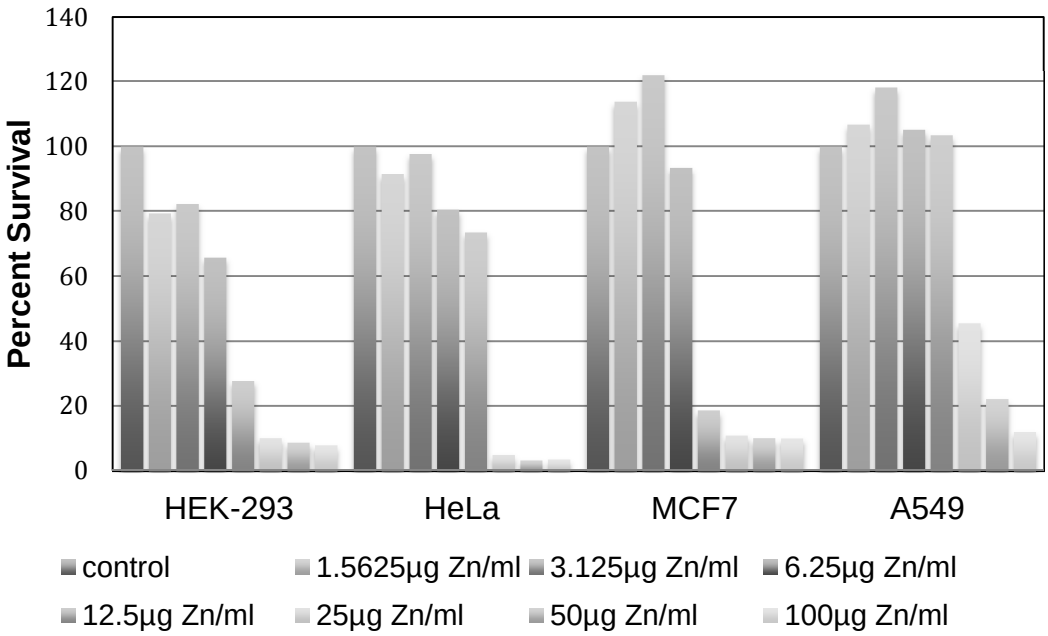

NAD+
Nicotinamide
PARP1
Acceptor proteins
PAR-ylated proteins
ADP-DP
PARG
NAD+ resynthesis consumes ATP
Energy crisis triggers MPTP activation and resulting necrosis

FIGURE 2


Percent Survival
140
120
100
80
60
40
20
0
HEK-293
HeLa
MCF7
A549
control
1.5625µg Zn/ml
3.125µg Zn/ml
6.25µg Zn/ml
12.5µg Zn/ml
25µg Zn/ml
50µg Zn/ml
100µg Zn/ml