

SUPPLEMENTARY MATERIAL

Supplementary Material 1. Live cell imaging sequential captures of HEI-OC1 auditory and H4 human neuroglioma cells with the G3BP marker following treatment with cisplatin or arsenite.

Live cell imaging sequential captures from (A) HEI-OC1 auditory cells incubated with 60 μ M cisplatin for 30 min; (B) HEI-OC1 auditory cells incubated with 0.5 mM arsenite for 30 min; (C) H4 human neuroglioma cells incubated with 40 μ M cisplatin for 30 min; (D) H4 human neuroglioma cells incubated with 0.5 mM arsenite for 30 min. Timepoint 0 was established when the treatment was administered, which lasted for a minimum of 30 min. Treatment drugs were administered at the pre-determined concentrations, corresponding to timepoint 0 in the live cell imaging process. The live cell imaging was performed using a Zeiss LSM 800 with Airyscan confocal point-scanning microscope with a 1.4 UPlanSApo 100x oil objective. Z-stack images with 15 slices per image were captured at 3-minute intervals. Scale bar: 10 μ m.