



Supplementary Figure 1. Characterization of chemotherapy-induced changes in MDA-MB-231 cell morphology following pre-exposure to hypoxia. Morphological analyses were performed on MDA-MB-231 cells treated with anticancer agents following pre-exposure to standard (20% O₂) or hypoxic (0.2% O₂) culture conditions for 24 h. Shown are the time-courses of drug-induced changes in the fraction of cells with binucleated, multinucleated or fragmented nuclei; condensed chromatin; and 'blebbed' or ruptured cells membranes (for clarity only populations exhibiting alterations from normal morphology are shown). Statistically significant differences were not found between cells pre-exposed to hypoxia and those maintained in standard culture conditions for any of the morphological criteria shown. Data are reported as the mean percentage of cells scored in the microscopic field ± the standard error of the mean. Results shown are representative of two independent experiments for each drug.