

Supplementary Material

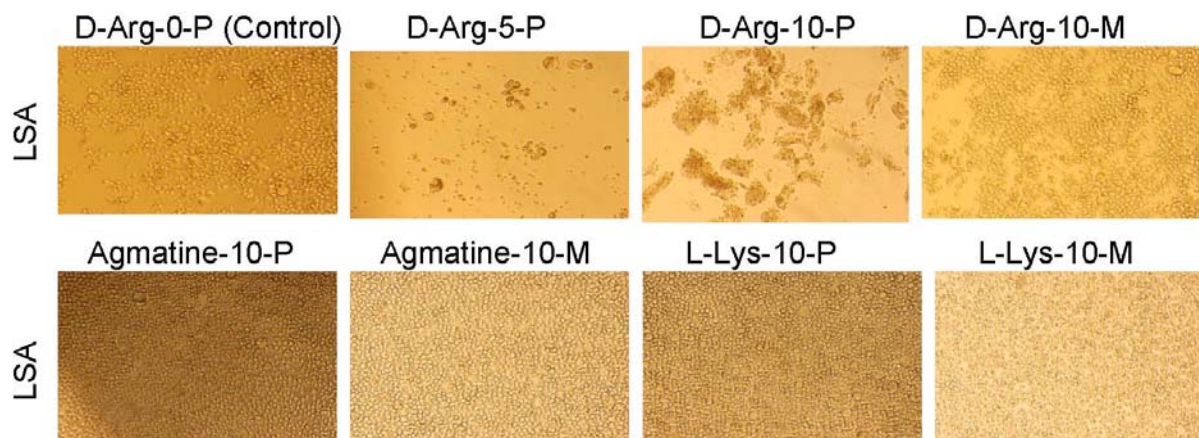


Fig. (S1). Representative photomicrograph (20X magnification) of LSA tumor cells after incubation with D-Arg, Agmatine sulphate and L-Lys in either PBS or medium at 37°C for 1h, followed by centrifugation and 24 h culture. Label indicates Drug, Dose of the drug in mM and Delivery vehicle (P or M) in the order separated by a hyphen.

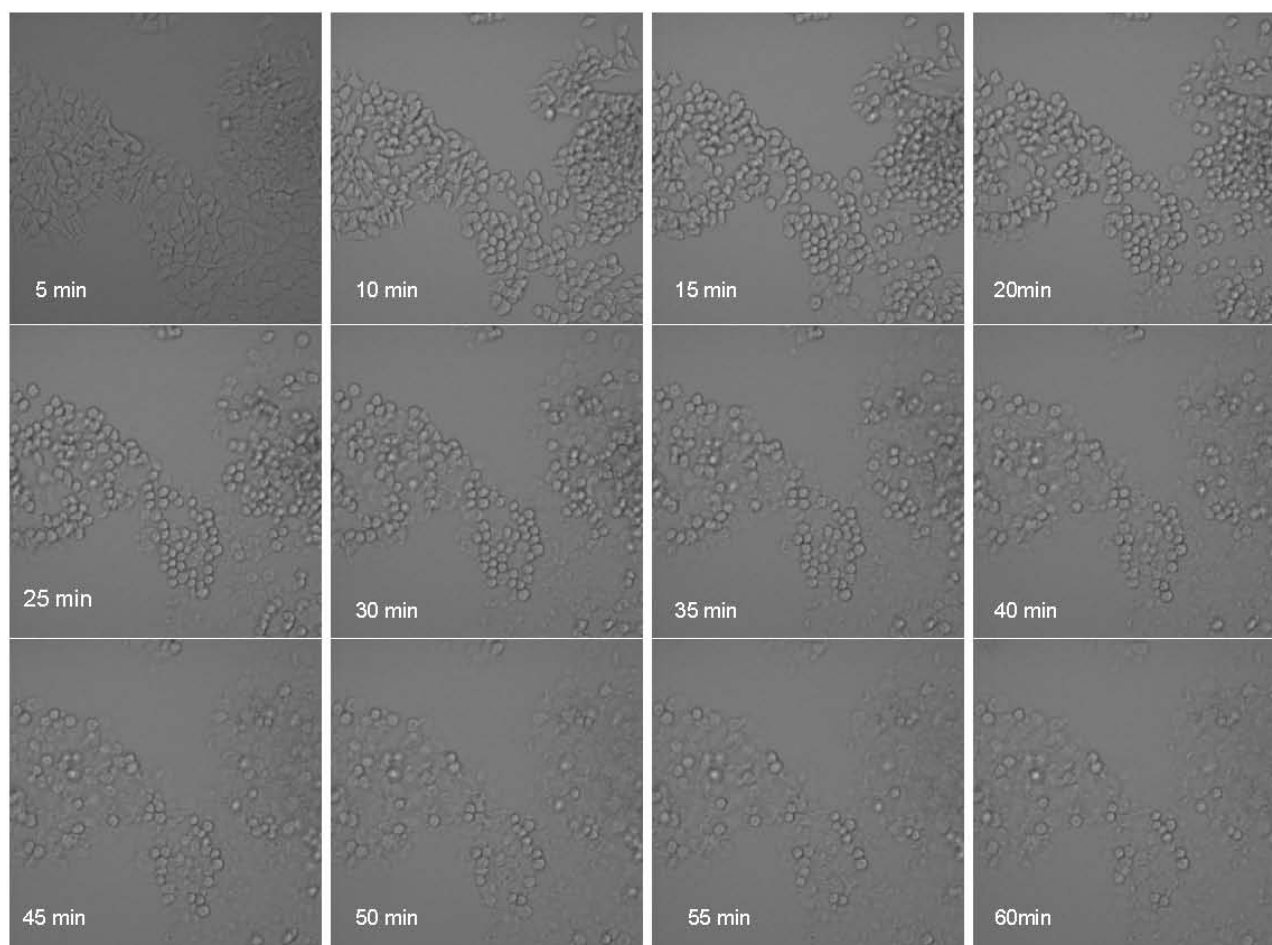


Fig. (S2). Confocal photomicrograph of MCF7 cells treated with L-Arg-P at 50mM for 1h. The figure is confocal reflectance image of Movie S1-C. The tumor cells showed alteration in their morphology. The photographs were taken at 20X at every 5 minutes.

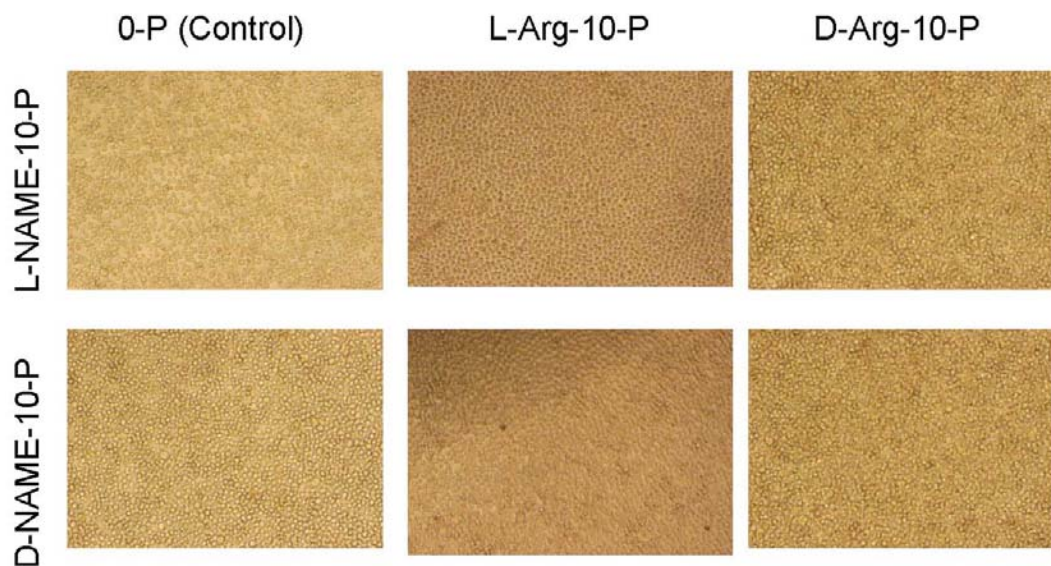


Fig. (S3). Representative photomicrograph (20X magnification) of LSA tumor cells after incubation with L-Arg & D-Arg either with L-NAME (10mM) or D-NAME (10mM), in PBS at 37°C for 1h, followed by centrifugation and 24 h culture. Label indicates Drug, Dose of the drug in mM and Delivery vehicle (P) in the order separated by a hyphen.

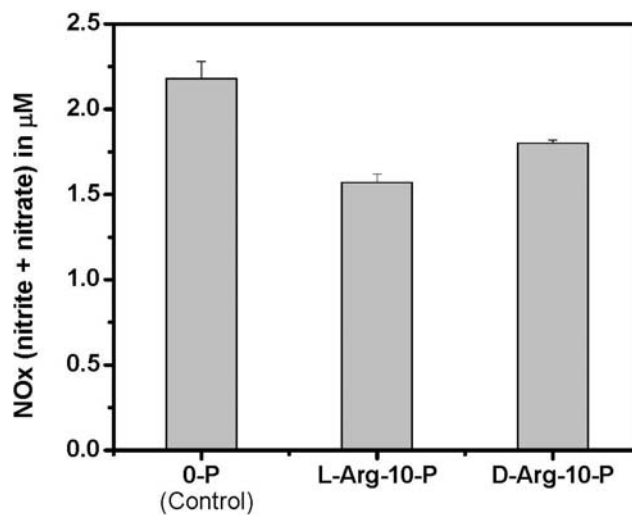


Fig. (S4). NOX assay. Each point is the mean \pm SEM of three replicates of a representative experiment. Two such independent experiments were performed. Label indicates Drug, Dose of the drug in mM and Delivery vehicle (P) in the order separated by a hyphen.

Movie (S1). Time series confocal images of MCF7 (A-D) and LSA (E-H) treated with Arg as indicated in the file name. The file name indicates serial number, cell line, Arg concentration in mM and delivery vehicle (P or M) in the order separated by hyphen followed by file extension. The imaging was done for 1 h with 1 frame/5 minutes and each frame played for 1 second.