

Interaction of cold atmospheric pressure plasma with cancer cells

In collaboration with Institute for Plasma Research (IPR), Gandhinagar

Single Jet System

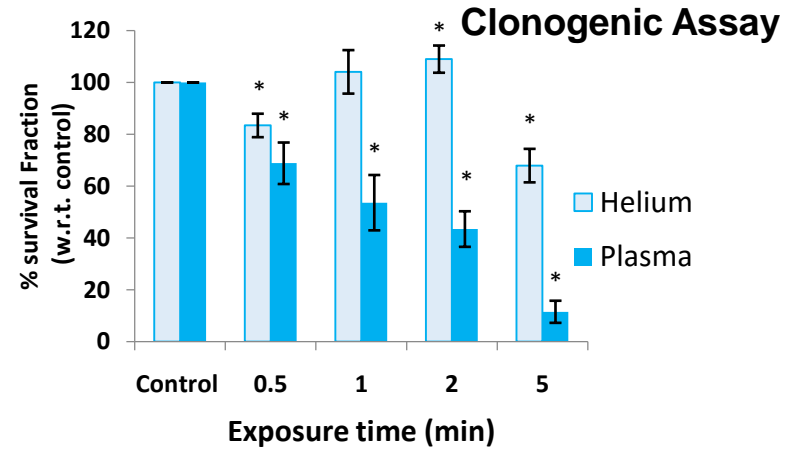
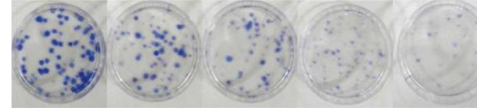
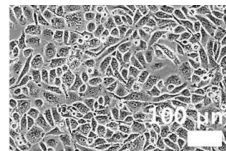


Multi-jet System



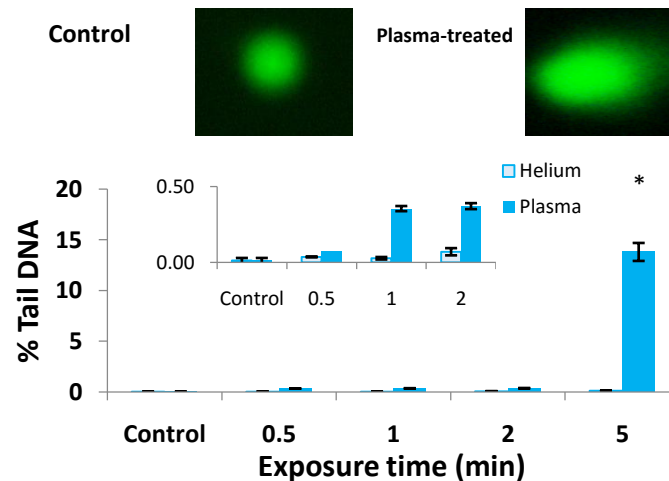
Cell Model

Human lung adenocarcinoma cell line (A549)



Plasma exposure reduces A549 cell viability in a dose-dependent manner

DNA damage analysis with alkaline comet assay



Plasma exposure leads to a significant increase in DNA damage in A549 cells