Supplementary Material

Apoptosis and Oxidative Stress Triggered by Carbon Black Nanoparticle in the LA-9 Fibroblast

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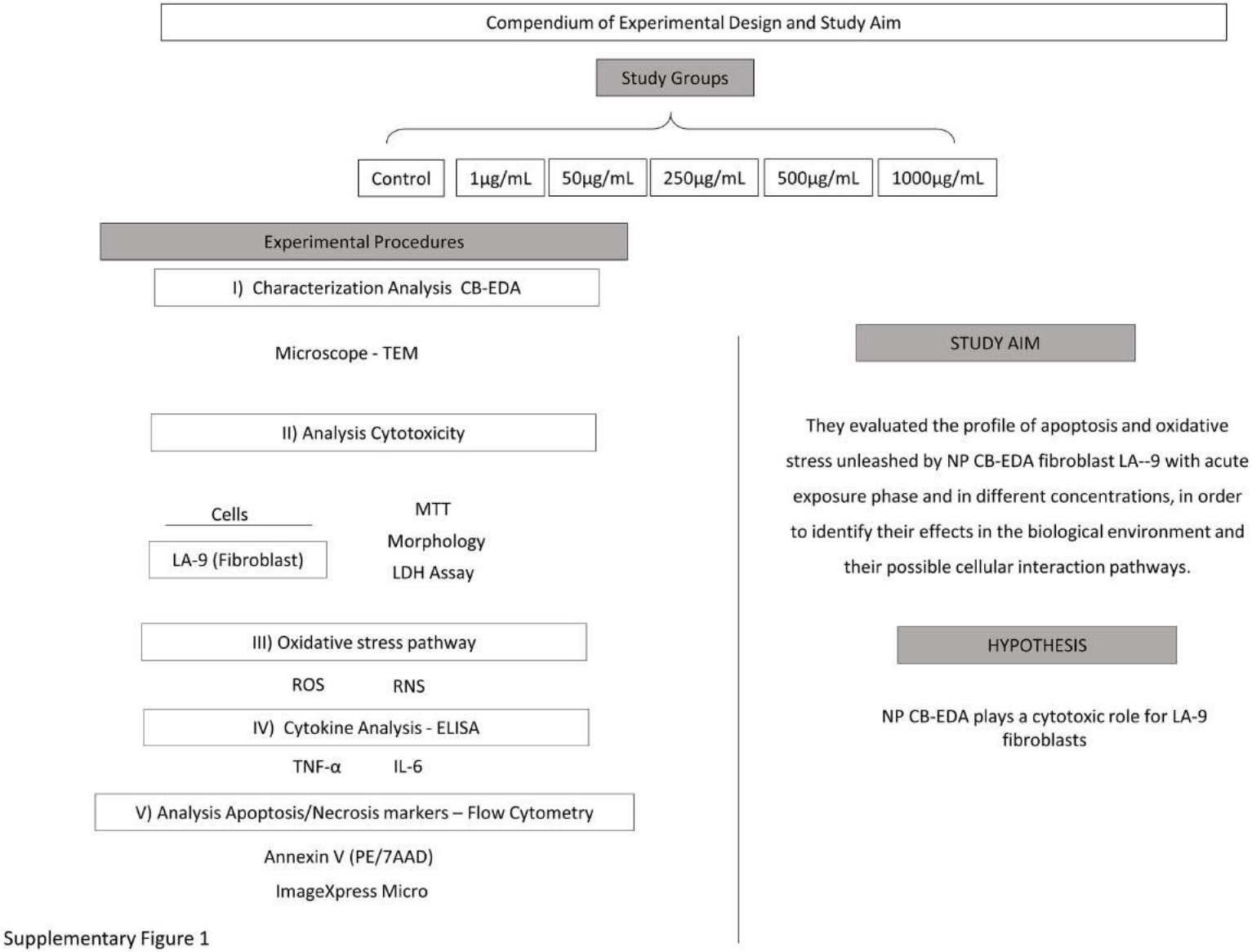
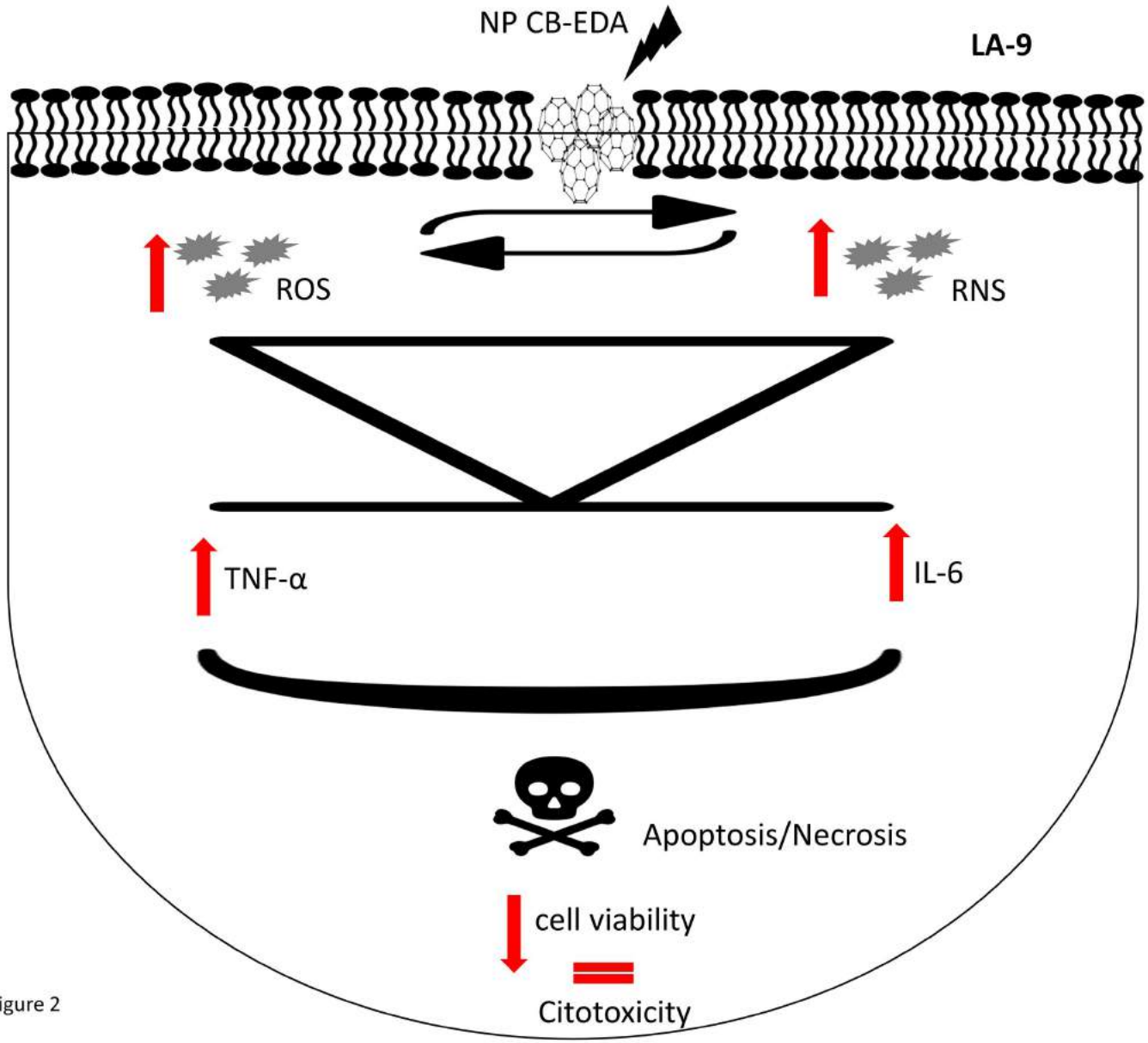


Supplementary Figure 1

Supplementary figure 1: Experimental design. The strategy used to expose NP CB-EDA in in vitro studies of Fibroblasts LA-9 was organized in a flowchart.



Supplementary Figure 2

Supplementary figure 2: Schema of the hypothetic pathways of cell death induction by CB-EDA NP LA-9 (Fibroblast cells). CB-EDA NP induce apoptosis by a mitochondrial pathway dependent on ROS and RNS involving activation of TNF-α and IL-6, resulting in the activation of caspases and subsequent disruption of the cell membrane, resulting in apoptosis / necrosis and decreased cell viability leading to cytotoxicity. (Drawn image)