

## Supplementary Materials

# The Anti-Inflammatory Effect of Lactose-Modified Hyaluronic Acid Molecules on Primary Bronchial Fibroblasts of Smokers

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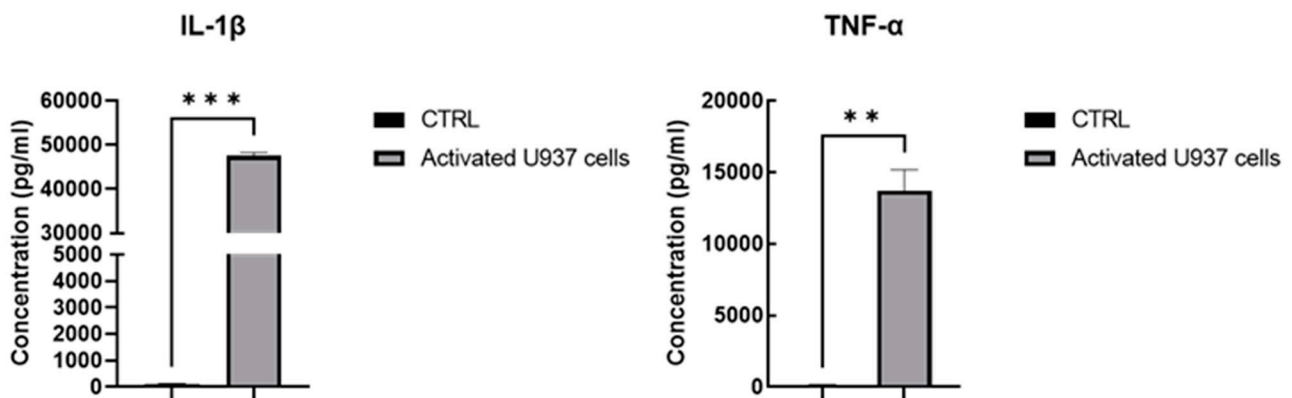
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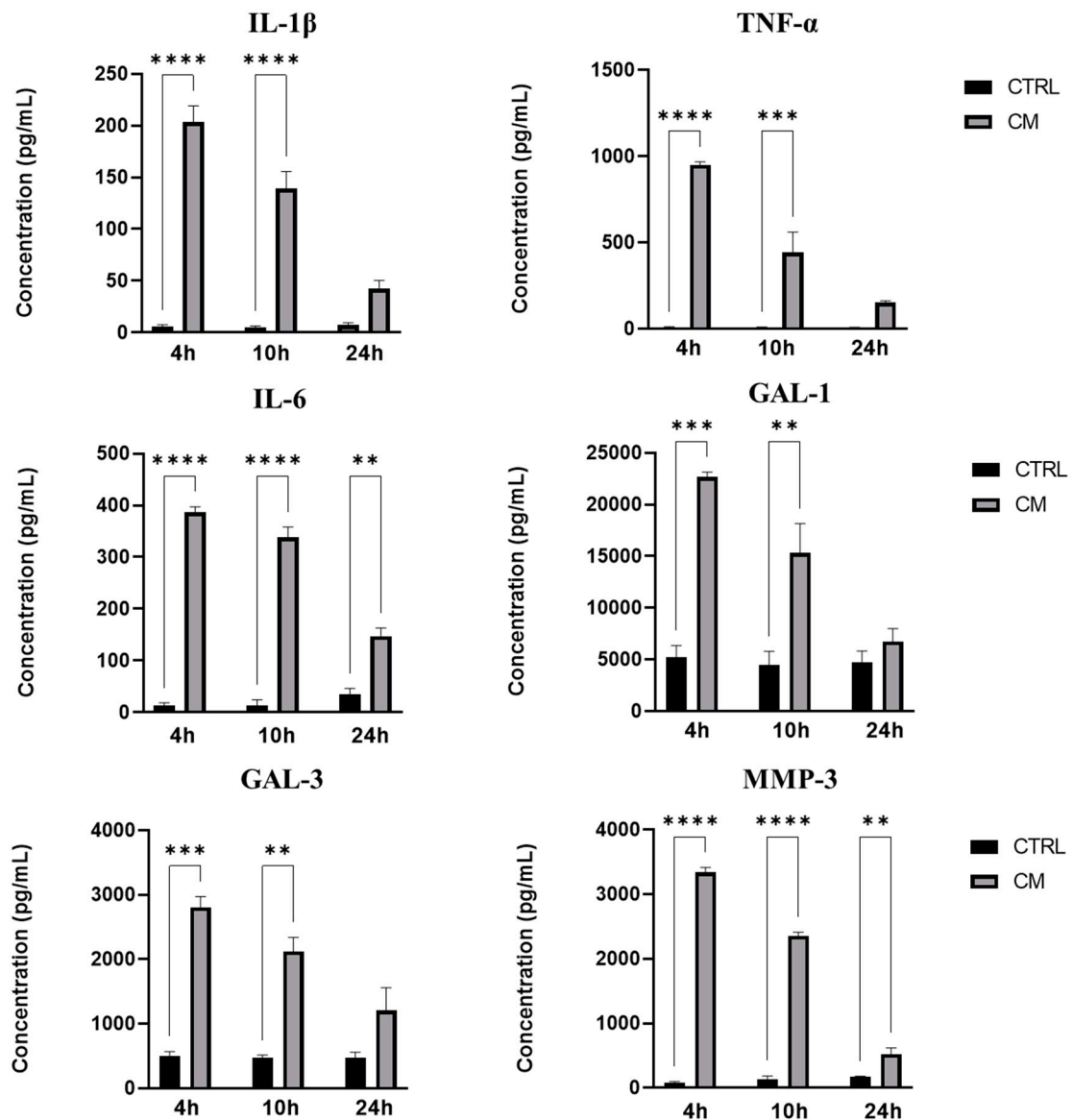
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**Scheme S1.** Detection of IL-1 $\beta$  and TNF- $\alpha$  in activated U937 human monocytes. After 48 hours of PMA and 1 hour of LPS treatment, protein expression of IL-1 $\beta$  and TNF- $\alpha$  cytokines was measured using ELISA after 24 hours. The data are presented as mean  $\pm$  SE of three independent experiments. The unpaired Student's t-test is used to calculate statistical differences. \*\*P<0.01, \*\*\*P<0.001 when compared to untreated cells.



**Scheme S2.** Inflammatory molecules expression by activated U937 cells (ELISA). After 24h of exposure to CM of activated U937, primary human bronchial fibroblasts were *in vitro* cultivated for 4, 10 and 24 h. Pro-inflammatory molecules, galectins and MMP-3 protein expression were tested by ELISA analysis. Data from three independent experiments are presented as mean standard error (SE). Statistical differences based on unpaired Student's t-test. \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$  and \*\*\*\*  $p < 0.0001$ .