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ACCEPTED MANUSCRIPT

Possible Mechanisms Mediating Apoptosis of Bronchial Epithelial Cells in Chronic Obstructive Pulmonary Disease – A Next-Generation Sequencing Approach

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Highlights:

- Dysregulated genes of PI3K-Akt pathway were found in COPD bronchial epithelial cells.
- Dysregulated TLR4, IL6, F2R, FGFR3, and FGFR1 might contribute to apoptosis.
- Dysregulated *IL6*, *F2R*, and FGFR3 might contribute to cell proliferation inhibition.
- FGFR1 might be suppressed by miR-195-5p, miR-424-5p, and miR-6724-5p.

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