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Title: Regulation of monocyte redox balance by 1,8-cineole (eucalyptol) controls oxidative stress and pro-inflammatory responses in vitro: a new option to increase the antioxidant effects of combined respiratory therapy with budesonide and formoterol?



Authors: Lisa Joy Juergens, Izabella Tuleta, Meinolf Stoeber, Kurt Racké, Uwe R. Juergens

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## ACCEPTED MANUSCRIPT

Regulation of monocyte redox balance by 1,8-cineole (eucalyptol) controls oxidative stress and pro-inflammatory responses in vitro: a new option to increase the antioxidant effects of combined respiratory therapy with budesonide and formoterol ?

Short running title: control of redox balance by 1,8-cineole

Lisa Joy Juergens<sup>1</sup>, Izabella Tuleta<sup>1</sup>, Meinolf Stoeber<sup>1</sup>, Kurt Racké<sup>2</sup>, Uwe R. Juergens<sup>1\*</sup>

<sup>1</sup>Department of Internal Medicine II - Pneumology, Bonn University Hospital, Sigmund-Freud-Str. 25, D-53127 Bonn, Germany (lisa.joy@juergensfamily.de) (izabela.tuleta@ukbonn.de) <sup>2</sup>Institute of Pharmacology and Toxicology, University of Bonn, Sigmund-Freud-Str. 25, D-53127 Bonn, Germany (racké.kurt@uni-bonn.de)

<sup>\*</sup>Corresponding author: Uwe R. Juergens; Phone: +49 228 28716670;

E-mail address: uwe.juergens@ukbonn.de; juergens\_uwe@t-online.de

**Background:** Airway mucus hypersecretion is the typical feature of COPD and asthma. Hypersecretion is caused by reactive oxygen species (ROS) and links the COPD-bronchitis phenotype to frequent exacerbations. Since the monoterpene 1,8-

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