

JESPER Z. HAEGGSTRÖM PUBLICATIONS 2014

Peer-reviewed articles

- 1: Wan M, Hua X, Su J, Thiagarajan D, Frostegård AG, Haeggström JZ, Frostegård J. Oxidized but not native cardiolipin has pro-inflammatory effects, which are inhibited by Annexin A5. *Atherosclerosis*. 2014 Aug;235(2):592-8. doi:10.1016/j.atherosclerosis.2014.05.913. Epub 2014 Jun 7. PubMed PMID: 24956533.
- 2: Niegowski D, Kleinschmidt T, Ahmad S, Qureshi AA, Marback M, Rinaldo-Matthis A, Haeggström JZ. Structure and inhibition of mouse leukotriene C4 synthase. *PLoS One*. 2014 May 8;9(5):e96763. doi: 10.1371/journal.pone.0096763. eCollection 2014. PubMed PMID: 24810165; PubMed Central PMCID: PMC4014545.
- 3: Wan M, Soehnlein O, Tang X, van der Does AM, Smedler E, Uhlir P, Lindbom L, Agerberth B, Haeggström JZ. Cathelicidin LL-37 induces time-resolved release of LTB4 and TXA2 by human macrophages and triggers eicosanoid generation in vivo. *FASEB J*. 2014 Aug;28(8):3456-67. doi: 10.1096/fj.14-251306. Epub 2014 Apr 15. PubMed PMID: 24736410.
- 4: Stsiapanava A, Olsson U, Wan M, Kleinschmidt T, Rutishauser D, Zubarev RA, Samuelsson B, Rinaldo-Matthis A, Haeggström JZ. Binding of Pro-Gly-Pro at the active site of leukotriene A4 hydrolase/aminopeptidase and development of an epoxide hydrolase selective inhibitor. *Proc Natl Acad Sci U S A*. 2014 Mar 18;111(11):4227-32. doi: 10.1073/pnas.1402136111. Epub 2014 Mar 3. PubMed PMID: 24591641; PubMed Central PMCID: PMC3964119.
- 5: Byzia A, Haeggström JZ, Salvesen GS, Drag M. A remarkable activity of human leukotriene A4 hydrolase (LTA4H) toward unnatural amino acids. *Amino Acids*. 2014 May;46(5):1313-20. doi: 10.1007/s00726-014-1694-2. Epub 2014 Feb 27. PubMed PMID: 24573245; PubMed Central PMCID: PMC3984412.
- 6: Wan M, van der Does AM, Tang X, Lindbom L, Agerberth B, Haeggström JZ. Antimicrobial peptide LL-37 promotes bacterial phagocytosis by human macrophages. *J Leukoc Biol*. 2014 Jun;95(6):971-81. doi: 10.1189/jlb.0513304. Epub 2014 Feb 18. PubMed PMID: 24550523.
- 7: Niegowski D, Kleinschmidt T, Olsson U, Ahmad S, Rinaldo-Matthis A, Haeggström JZ. Crystal structures of leukotriene C4 synthase in complex with product analogs: implications for the enzyme mechanism. *J Biol Chem*. 2014 Feb 21;289(8):5199-207. doi: 10.1074/jbc.M113.534628. Epub 2013 Dec 23. PubMed PMID: 24366866; PubMed Central PMCID: PMC3931076.
- 8: Stsiapanava A, Tholander F, Kumar RB, Qureshi AA, Niegowski D, Hasan M, Thunnissen M, Haeggström JZ, Rinaldo-Matthis A. Product formation controlled by substrate dynamics in leukotriene A4 hydrolase. *Biochim Biophys Acta*. 2014 Feb;1844(2):439-46. doi: 10.1016/j.bbapap.2013.12.003. Epub 2013 Dec 11. PubMed PMID: 24333438.

9: Di Gennaro A, Haeggström JZ. Targeting leukotriene B4 in inflammation. *Expert Opin Ther Targets*. 2014 Jan;18(1):79-93. doi: 10.1517/14728222.2013.843671. Epub 2013 Oct 4. PubMed PMID: 24090264.