

JESPER HAEGGSTRÖM PUBLICATIONS 2011**Peer-reviewed original articles:**

Esser, J., Gehrman, U., Salvado, M.D., Wetterholm, A. Haeggström, J.Z., Samuelsson, B., Gabrielsson, S., Scheynius, A. and Olof Rådmark, O. Zymosan suppresses leukotriene C₄ synthase activity in differentiating monocytes: antagonism by aspirin and protein kinase inhibitors. *FASEB J.*, **25**(4):1417-1427, 2011.

Johansson, A.-S., Haeggström, J.Z. and Palmblad, J.: Commonly used leukotriene B₄ receptor antagonists possess intrinsic activity as agonists in human endothelial cells: effects on calcium transients, adhesive events and mediator release. *Prostaglandins Leukot. Essent. Fatty Acids*, **84**(3-4):109-112, 2011.

Helgstrand, C. Hasan, M., Uysal, H., Haeggström, J.Z., and Thunnissen, MGM. A Leukotriene A₄ hydrolase-related aminopeptidase from yeast undergoes induced fit upon inhibitor binding. *J. Mol. Biol.*, **406**(1):120-134, 2011.

Lundström, S., Balgoma, D., Wheelock, A.M., Haeggström, J.Z., Dahlen, S.E., and Wheelock, C.E. Lipid mediator profiling in pulmonary disease. Current Pharmaceutical Biotechnology. *Curr. Pharm. Biotechnol.*, **12**(7): 1026-1052, 2011.

Wan, M., Godson, C., Guiry, P.J., Agerberth, B, and Haeggström, J.Z.: Leukotriene B₄/antimicrobial peptide LL-37 proinflammatory circuits are mediated by BLT1 and FPR2/ALX, and are counter-regulated by lipoxin A₄ and resolvin E1. *FASEB J.*, **25**(5):1697-1705, 2011.

Gertow, K., Nobili, E., Folkersen, L., Newman, J., Chem, T., Swedenborg, J., Berne, G., Kühn, H., Hedin, U., Wheelock, C., Hansson, G., Haeggström, J.Z., Gabrielsen, A., 12- and 15-lipoxygenases in human carotid atherosclerotic lesions: associations with cerebrovascular symptoms. *Atherosclerosis*, **215**(2):411-416, 2011.

Lundström, S.L., Levänen, B., Nording, M. Klepczynska-Nyström, Sköld, M., Haeggström, J.Z., Grunewald, J., Svartengren, M., Hammock, B.D., Larsson, B.-M., Eklund, A., Wheelock, Å.M., Wheelock, C.E.: Asthmatics exhibit altered oxylipin profiles compared to healthy individuals after subway air exposure. *PLoS ONE*, **6**(8):e23864, 2011.

Haas, U., Raschperger, E., Hamberg, M., Samuelsson, B., Tryggvason, K., and Haeggström, J.Z.: Targeted knock-down of a structurally atypical zebrafish 12S-lipoxygenase leads to severe impairment of embryonic development. *Proc. Natl. Acad. Sci USA*, **108**(51):20479-20484, 2011.

Review articles (peer-reviewed) and book chapters

Haeggström, J.Z., and Funk, C.D.: Lipoxygenase and leukotriene pathways, biochemistry, biology and roles in disease. *Chem. Rev.*, **111**(10):5866-5898, 2011.