

JESPER HAEGGSTRÖM PUBLICATIONS 2010**Peer-reviewed original articles:**

Diez, D., Wheelock, Å.M., Goto, S., Haeggström, J.Z., Paulsson-Berne, G., Hansson, G.K., Hedin, U., Gabrielsen, A., and Wheelock, C.E.: The use of network analyses for elucidating mechanisms in cardiovascular disease. *Mol. Biosys.* **6**(2):289-304, 2010.

Gabrielsen, A. Qui, H., Bäck, M. Hamberg, M. Hemdahl, A.-L., Agardh, H., Folkersen, L. Swedenborg, J. Hedin, U. Paulsson-Berne, G., Haeggström, J.Z., Hansson, G. K.: Thromboxane synthase expression and thromboxane A₂ production in the atherosclerotic lesion. *J. Mol. Med.*, **88**(8): 795-806, 2010.

Tholander, F., Roques, B.-P., Fournié-Zaluski, M.-C., Thunnissen, M.G.M., and Haeggström, J.Z.: Crystal structure of leukotriene A₄ hydrolase in complex with kelatorphan, implications for design of zinc metallopeptidase inhibitors, *FEBS Lett.*, **584**(15):3446-3451, 2010.

Johansson, A.S., Haeggström, J.Z., Hultenby, K., Palmblad, J.: Subcellular localization of leukotriene receptors in human endothelial cells. *Exp. Cell Res.* **316**(17): 2790-2796, 2010.

Rinaldo-Matthis, A., Wetterholm, A., Martinez-Molina, D., Holm, J., Niegowski, D., Ohlson, E., Nordlund, P., Morgenstern, R. and Haeggström, J.Z., Arginine 104 is a key catalytic residue in leukotriene C₄ synthase. *J. Biol. Chem.* **285**(52): 40771-40776, 2010.

Di Gennaro, A., Wågsäter, D., Mäyränpää, M.I., Gabrielsen, A., Swedenborg, J., Hamsten, A., Samuelsson, B., Eriksson, P., Haeggström, J.Z.: Increased expression of leukotriene C₄ synthase and predominant formation of cysteinyl-leukotrienes in human abdominal aortic aneurysm. *Proc. Natl. Acad. Sci USA*, **107**(49), 2103-21097, 2010.

Review articles (peer-reviewed) and book chapters

Rinaldo-Matthis, A. and Haeggström, J.Z.: Structures and mechanisms of enzymes in the leukotriene cascade. *Biochimie*, **92**(6):676-681, 2010.

Haeggström, J.Z., Rinaldo-Matthis, A., Wheelock, C.E., and Wetterholm, A.: Advances in eicosanoid research, novel therapeutic implications, *Biochem. Biophys. Res. Commun.*, **396**(1):135-139, 2010.

Serhan, C.N. and Haeggström, J.Z.: Lipid Mediators in Acute Inflammation and Resolution: Eicosanoids, PAF, Resolvins and Protectins. In: *Fundamentals of Inflammation*, Eds, Serhan, CN, Ward, P. and Gilroy, DW. Cambridge University Press, NY, pp. 153-174, 2010.

Haeggström, J.Z. and Sjövall, J. On the incorporation of oxygen in the conversion of 8, 11, 14-eicosatrienoic acid to prostaglandin E₁. In: 114 Important Scientific Contributions from KAROLINSKA INSTITUTET, (Lindsten, J., Hagelin, O., Jansson, T., & Johansson, G.), pp. 220-221, 2010.

Haeggström, J.Z. and Sjövall, J.: Leukotrienes, mediators of immediate hypersensitivity reactions and inflammation. In: 114 Important Scientific Contributions from KAROLINSKA INSTITUTET, (Lindsten, J., Hagelin, O., Jansson, T., & Johansson, G.), pp. 254-255, 2010.