

JESPER HAEGGSTRÖM PUBLICATIONS 2009**Peer-reviewed original articles:**

Hammarberg, T., Hamberg, M., Wetterholm, A., Hansson, H., Samuelsson, B., and Haeggström, J.Z.: Mutation of a critical arginine in microsomal PGE synthase-1 shifts the isomerase activity to a reductase activity that converts prostaglandin H₂ into prostaglandin F_{2α}, *J. Biol. Chem.*, **284**(1):301-305, 2009.

Di Gennaro, A., Kenne, E., Wan, M., Sohnlein, O., Lindbom, L., and Haeggström, J.Z.: Leukotriene B₄-induced changes in vascular permeability are mediated by neutrophil release of heparin-binding protein (HBP/CAP37/azurocidin)., *FASEB J*, **23**:1750-1757, 2009.

Wheelock, C.E., Wheelock, Å.M., Kawashima, S., Diez, D., Kanehisa, M., van Erk, M., Kleemann, R., Haeggström, J.Z. and Goto S. Systems biology approaches and pathway tools for investigating cardiovascular disease. *Mol. Biosys.*, **5**(6):588-602, 2009.

Folkersen, L., Diez, D., Wheelock, C.E., Haeggström, J.Z., Goto, S., Eriksson, P., Gabrielsen, A. GeneRegionScan: an R package for probe level analysis of specific, small regions of the genome, *Bioinformatics*. **25**(15):1978-1979, 2009.

M. Dolores Salvado, D.M., Alfranca, A., Escolano, A., Haeggström, J.Z., and Redondo, J.M.: COX-2 limits prostanoid production by activated endothelial cells: a role for endothelial PGH₂ in the transcellular production of PGE₂ by tumor cells., *Arterioscler. Thromb. Vasc. Biol.*, **29**(7):1131-1137, 2009.

Review articles (peer-reviewed) and book chapters

Lundström, S.L., D'Alexandri, F.L., Nithipatikom, K., Haeggström, J.Z., Wheelock, Å.M. and Wheelock, C.E.: HPLC/MS-based Approaches for the Detection and Quantification of Eicosanoids. *Methods Mol Biol*. 580, 339-368, 2009.

Haeggström, J.Z. and Wetterholm, A. Leukotriene mediators. In: *Handbook of Cell Signaling* (RA Bradshaw, EA Dennis Eds.), 2:nd edition, Elsevier Inc, vol. 2, pp.1229-1234, 2009.