

Agata Steenacker's Publications

1. Konzman D, Abramowitz L, **Steenackers A**, Mukherjee M, Na H, Hanover J. *O*-GlcNAc as an Epigenetic Regulator: Implications in X-linked intellectual disability. *Under submission*
2. Berthier A, Porez G, **Steenackers A**, Alexandre J, Yamakawa N, Gheeraert C, Ploton M, Maréchal X, Chevalier-Dubois J, Hovasse A, Schaeffer-Reiss C, Cianferani-Sanglier S, Rolando C, Bray F, Duez H, Eeckhoutte J, Lefebvre T, Staels B and Lefebvre P. Combinatorial regulation of cytoplasmic signaling and nuclear transcriptional events by the OGT/REV-ERB α complex. *Proc Natl Acad Sci U S A*. 2018 Nov 5
3. Groux-Degroote S, Schulz C, Cogger V, Portier L, Vicogne D, Solorzano C, Dall'Olio F, **Steenackers A**, Mortuaire M, Gonzalez-Pisfil M, Henry M, Foulquier F, Heliot L, and Harduin-Lepers A. The extended cytoplasmic tail of the human β 4GALNT2 is critical for its Golgi targeting and post-Golgi sorting. *FEBS J*. 2018 Sep;285(18):3442-3463
4. Dewald JH, Cavdarli S, **Steenackers A**, Delannoy CP, Mortuaire M, Spriet C, Noël M, Groux-Degroote S, Delannoy P. TNF differentially regulates ganglioside biosynthesis and expression in breast cancer cell lines. *PLoS One*. 2018 Apr 26;13(4)
5. Very N, **Steenackers A**, Dubuquoy C, Vermuse J, Dubuquoy L, Lefebvre T, El Yazidi-Belkoura. Cross regulation between mTOR signaling and *O*-GlcNAcylation. *J Bioenerg Biomembr*. 2018 Jun;50(3):213-222
6. Colomb F, Krzewinski-Recchi MA, **Steenackers A**, Vincent A, Harduin-Lepers A, Delannoy P, Groux-Degroote S. TNF up-regulates ST3GAL4 and sialyl-LewisX expression in lung epithelial cells through an intronic ATF2 responsive element. *Biochem J*. 2017, 474(1):65-78
7. Machon O, Baldini SF, Ribeiro JP, **Steenackers A**, Varrot A, Lefebvre T, Imberty A. Recombinant fungal lectin as a new tool to investigate *O*-GlcNAcylation processes. *Glycobiology*. 2017, 27(2):123-128.
8. Baldini S, **Steenackers A**, Olivier-Van Stichelen S, Mir AM, Mortuaire M, Lefebvre T, Guinez C. Glucokinase expression is regulated by glucose through *O*-GlcNAc glycosylation. *Biochem Biophys Res Commun*. 2016, Aug 9. pii: S0006-291X (16)31311-0.
9. **Steenackers A**, Olivier-Van Stichelen S, Baldini S, Dehennaut V, Toillon RA, Le Bourhis X, El Yazidi-Belkoura I, Lefebvre T. Physio-pathological properties of colon cells are regulated by the nucleocytoplasmic OGT. *Front Endocrinol*. 2016,25;7:46.

10. Vercoutter-Edouart AS, Yazidi-Belkoura IE, Guinez C, Baldini S, Leturcq M, Mortuaire M, Mir AM, **Steenackers A**, Dehennaut V, Pierce A, Lefebvre T. Detection and identification of O-GlcNAcylated proteins by proteomic approaches. *Proteomics*. 2015, 15(5-6):1039-50.
11. Julien S, Bobowski M, **Steenackers A**, Le Bourhis X, Delannoy P. How Do Gangliosides Regulate RTKs Signaling? *Cells* 2013, 2:751-767.
12. Hottin A, Wright DW, **Steenackers A**, Delannoy P, Dubar F, Biot C, Davies GJ, Behr JB. α -L-Fucosidase Inhibition by Pyrrolidine-Ferrocene Hybrids: Rationalization of Ligand-Binding Properties by Structural Studies. *Chemistry*. 2013, 15;19(29):9526-33.
13. Martinez P, Vergoten G, Colomb F, Bobowski M, **Steenackers A**, Carpentier M, Allain F, Delannoy P, Julien S. Over-sulfated glycosaminoglycans are alternative selectin ligands: insights into molecular interactions and possible role in breast cancer metastasis. *Clin Exp Metastasis*. 2013 Jun 6.
14. Bobowski M, Vincent A, **Steenackers A**, Colomb F, Van Seuningen I, Julien S, Delannoy P. Estradiol represses the G_{D3} synthase gene *ST8SIA1* expression in breast cancer by preventing NF κ B binding to *ST8SIA1* promoter. *Plos One*. 2013, 23;8(4):e62559
15. **Steenackers A**, Vanbeselaere J, Cazet A, Bobowski M, Rombouts Y, Colomb F, Le Bourhis X, Guérardel Y, Delannoy P. Accumulation of Unusual Gangliosides GQ3 and GP3 in Breast Cancer Cells Expressing the GD3 Synthase. *Molecules*. 2012, 17: 9559-72.
16. Colomb F, Krzewinski-Recchi MA, El Machhour F, Mensier E, Jaillard S, **Steenackers A**, Harduin-Lepers A, Lafitte JJ, Delannoy P, Groux-Degroote S. TNF regulates sialyl-Lewis(x) and 6-sulfo-sialyl-Lewis(x) expression in human lung through up-regulation of ST3GAL4 transcript isoform BX. *Biochimie*. 2012, 94: 2045-53.
17. Hottin A, Dubar F, **Steenackers A**, Delannoy P, Biot C, Behr JB. Iminosugar-ferrocene conjugates as potential anticancer agents. *Org Biomol Chem*. 2012, 10: 5592-7.
18. Bobowski M, Cazet A, **Steenackers A**, Delannoy P. Role of Complex Gangliosides in Cancer. *Carbohydr. Chem*. 2012, 37, 1-20. Review.
19. Cazet A, Bobowski M, Rombouts Y, Lefebvre J, **Steenackers A**, Popa I, Guérardel Y, Le Bourhis X, Tulasne D, Delannoy P. The ganglioside G(D2) induces the constitutive activation of c-Met in MDA-MB-231 breast cancer cells expressing the G(D3) synthase. *Glycobiology*. 2012, 22: 806-16.

20. **Steenackers A**, Cazet A, Bobowski M, Rombouts Y, Lefebvre J, Guérardel Y, Tulanse D, Le Bourhis X, Delannoy P. Expression of GD₃ synthase modifies ganglioside profile and increase migration of MCF-7 breast cancer cells. *C. R. Chimie* 2012, **15**: 3-14.