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Dr. Laurent NGUYEN & Dr Brigitte MALGRANGE

MORELLI, G., AVILA, A., RAVANIDIS, S., AOURZ, N., NEVE, R.L., RIGO, J.-M.*, NGUYEN, L.* and BRÔNE, B*.

Cerebral cortical circuitry formation requires functional glycine receptors.

Cerebral Cortex (2017), 27(3):1863-1877 – **Impact Factor. 2015= 6.559***equal contribution

VAN DEN ACKERVEKEN, P., MOUNIER, A., HUYGHE, A., SACHELI, R., VANLERBERGHE, P.-B., VOLVERT, M.-L., DELACROIX, L., NGUYEN, L. and MALGRANGE, B.:

The miR183/IgfA3 axis is a key regulator of prosensory area during early inner ear development

Cell Death and Differentiation (2017), 24(12):2054-2065. – **Impact Factor 2016= 8.339.**

LAGUESSE, S., CLOSE, P., VAN HEES, L., CHARIOT, A., MALGRANGE, B. and NGUYEN, L.

Loss of Elp3 impairs the acetylation and distribution of connexin-43 in the developing cerebral cortex.

Front Cellular Neuroscience (2017), (11:#122). doi: 10.3389/fncel.2017.00122. eCollection 2017.8 - **Impact Factor 2016=4.555.**

AGIRMAN, G. BROIX, L., AND NGUYEN L.

Cerebral cortex development: an outside-in perspective.

FEBS Letters (2017) 591(24): 3978-3992. **Impact Factor 2016= 3.623.**

Vrije Universiteit Brussel
VUB

Prof. dr. Ann MASSIE and Prof dr. Ilse SMOLDERS Prof. dr. Dimitri DE BUNDEL - Publications 2017.

VAN WANSEEELE, J. VIAENE, L. VAN DEN BORRE, K. DEWACHTER, Y. VANDER HEYDEN, I. SMOLDERS, A. VAN EECKHAUT,

LC- method development for the quantification of neuromedin-like peptides. Emphasis on column choice and mobile phase composition.

Journal of Pharmaceutical and Biomedical Analysis 137, 104-112 (2017);

published online EpubApr 15 (10.1016/j.jpba.2017.01.014).

Impact Factor: 2.831

Y. VAN WANSEEELE, K. MAES, K. LANCKMANS, J. VAN SCHOORS, I. SMOLDERS, A. VAN EECKHAUT,

Surface and Solvent Dependent Adsorption of Three Neuromedin-Like Peptides in Glass and Plastic Syringes.

Chromatographia, (2017); published online EpubOctober 12 (10.1007/s10337-017-3397-9).

Impact Factor:1.401

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A. DE PRINS, C. MARTIN, Y. VAN WANSEEELE, L. J. SKOV, C. TOMBOLY, D. TOURWE, V. CAVELIERS, A. VAN EECKHAUT, B. HOLST, M. M. ROSENKILDE, I. SMOLDERS, S. BALLET,

Development of potent and proteolytically stable human neuromedin U receptor agonists.

European Journal of Medicinal Chemistry 144, 887-897 (2017);

published online EpubDec 14 (10.1016/j.ejmech.2017.12.035).

Impact Factor:4.816.

G. ALBERTINI, L. WALRAVE, T. DEMUYSER, A. MASSIE, D. DE BUNDEL, I. SMOLDERS.

6 Hz corneal kindling in mice triggers neurobehavioral comorbidities accompanied by relevant changes in c-Fos immunoreactivity throughout the brain.

***Epilepsia* (2017) 59, 67-78. SCI impact factor = 5,067**

T. DEMUYSER, L. DENEYER, E. BENTEA, G. ALBERTINI, T. FEMENIA, L. WALRAVE, H. SATO, N.C. DANBOLT, D. DE BUNDEL, A. MICHOTTE, M. LINDSKOG, A. MASSIE*, I. SMOLDERS*.

Slc7a11 (xCT) protein expression is not altered in the depressed brain and system xc- deficiency does not affect depression-associated behaviour in the corticosterone mouse model.

***World Journal of Biological Psychiatry* (2017) 5-year impact factor = 3, 846.**

E. BENTEA, C. MOORE, L. DENEYER, L. VERBRUGGEN, M.J. CHURCHILL, R.L. HOOD, C.K. MESHUL, A. MASSIE.

Plastic changes at corticostriatal synapses predict improved motor function in a partial lesion model of Parkinson's disease.

***Brain Research Bulletin* (2017) 130, 257-267. 5-year impact factor = 2,763**

BENTEA E, VAN LIEFFERINGE J, MARTENS K, DENEYER L, VERBRUGGEN L, DEMUYSER T, ALBERTINI G, MAES K, SATO H, SMOLDERS I, LEWERENZ J, MASSIE A (2017)

Zonisamide attenuates lactacystin-induced parkinsonism in mice without affecting system X_c⁻

***Experimental neurology*, 290: 15-28, 5-year impact Factor: 4,479**

COPPENS*, E. BENTEA*, J.A. BAYLISS, T. DEMUYSER, L. WALRAVE, G. ALBERTINI, J. VAN LIEFFERINGE, L. DENEYER, N. AOURZ, A. VAN EECKHAUT, J. PORTELLI, Z.B. ANDREWS, A. MASSIE, D. DE BUNDEL, I. SMOLDERS.

Caloric restriction protects against lactacystin-induced degeneration of dopamine neurons independent of the ghrelin receptor.

***International journal of Molecular Sciences* (2017). 5-year impact factor = 3,213**

MERCKX*, G. ALBERTINI*, M. PATERKA, C. JENSEN, P. ALBRECHT, M. DIETRICH, J. VAN LIEFFERINGE, E. BENTEA, L. VERBRUGGEN, T. DEMUYSER, L. DENEYER, J. LEWERENZ, G. VAN LOO, J. DE KEYSER, H. SATO, P. MAHER, A. METHNER, A. MASSIE.

Absence of system x_c⁻ on immune cells invading the central nervous system alleviates experimental autoimmune encephalitis.

***Journal of Neuroinflammation* (2017) 14:9. 5-year impact factor = 5,366**