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## **PUBLICATIONS OF THE RESEARCH GROUPS OF**

### **ULg**

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### **VUB**

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***Prof. dr. Ann Massie & prof. dr. Ilse Smolders***

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**VOLUME III**

**Université de Liège**  
**(ULg)**

**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/Igf3 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.

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**Vrije Universiteit Brussel**  
**VUB**

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

VAN WANSEELE, 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 WANSEELE, 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 WANSEELE, 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);

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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.**

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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.**

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

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***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<sub>c</sub><sup>-</sup>**

***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.

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**Absence of system x<sub>c</sub><sup>-</sup> on immune cells invading the central nervous system alleviates experimental autoimmune encephalitis.**

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