



Geneeskundige Stichting Koningin Elisabeth  
Fondation Médicale Reine Elisabeth  
Königin-Elisabeth-Stiftung für Medizin

---

## PUBLICATIONS DES ÉQUIPES DE RECHERCHE

### UCLouvain

*Prof. dr. Duque, PhD and Dr. Alexandre Zénon*

*Prof. Fadel Tissir, PhD*

### ULB

*Prof. dr. Benoit Vanhollebeke, PhD*

### ULg

*Dr. Laurent Nguyen & dr. Brigitte Malgrange*

## SUBVENTIONNÉES AVEC DES CRÉDITS DE LA FONDATION MÉDICALE REINE ÉLISABETH

**2018**

## VOLUME III

**Université Catholique de Louvain**  
**(UCLouvain)**

**Prof. dr. Julie Duque, PhD and Dr. Alexandre ZÉNON- Publications 2018**

ALGOET MAXIME, DUQUE JULIE, IANNETTI GIANDOMENICO and MOURAUX ANDRÉ.

**Temporal dynamics and muscle specificity of the changes in motor excitability triggered by a transient noxious stimulus.**

*Neuroscience*;386:240-255. doi: 10.1016/j.neuroscience.2018.06.039. (2018).

**Impact Factor: 3.382**

DEROSIERE GERARD, KLEIN PIERRE-ALEXANDRE, NOZARADAN SYLVIE, ZÉNON ALEXANDRE, MOURAUX ANDRÉ and DUQUE JULIE.

**Visuomotor correlates of conflict expectation in the context of motor decisions.**

*J Neurosci*. (2018). doi: 10.1523/JNEUROSCI.0623-18.2018.

**Impact Factor : 5.97.**

GRANDJEAN JULIEN, DEROSIERE GERARD, VASSILIADIS PIERRE, QUEMENER LOUIS, DE WILDE YSALINE and DUQUE JULIE.

**Towards assessing cortico-spinal excitability in both hands simultaneously: validation of a double-coil TMS method.**

*J Neurosci Methods*; 293: 162-168 (2018). doi: 10.1016/j.jneumeth.2017.09.016.

**Impact Factor : 2.668.**

QUOILIN, CAROLINE ; WILHELM, EMMANUELLE ; MAURAGE, PIERRE ; DE TIMARY, PHILIPPE ; DUQUE, JULIE.

**Deficient inhibition in alcohol dependence: Let's consider the role of the motor system! *Neuropsychopharm.***

(2018). doi: 10.1038/s41386-018-0074-0.

**Impact Factor : 6.544.**

VASSILIADIS, PIERRE ; GRANDJEAN, JULIEN ; DEROSIERE, GERARD ; DE WILDE, YSALINE ; QUEMENER, LOUISE DUQUE, JULIE.

**Using a double-coil TMS protocol to assess preparatory inhibition bilaterally.**

Under revision In: *Front Neurosci*, 12:139. doi: 10.3389/fnins.2018.00139. (2018).

**Impact Factor: 3,877.**

**Prof. Fadel TISSIR – Publications 2018**

FRÉDÉRIC CLOTMAN and FADEL TISSIR

***Guidance of motor axons: where do we stand***

*Current Opinion in Physiology* 2018, 4:76–81

**Impact Factor: 3.481.**

SANDRA FUERTES-ALVAREZ, LAURA MAESO-ALONSO, JAVIER VILLOCH-FERNANDEZ, MERIT WILDUNG , MARTA MARTIN-LOPEZ , CLAYTON MARSHALL, ALBERTO J. VILLENA-CORTES, INMACULADA DIEZ-PRIETO, JENNIFER A. PIETENPOL, FADEL TISSIR, MURIEL LIZÉ, MARGARITA M. MARQUES and MARIA C. MARIN

***p73 regulates ependymal planar cell polarity by modulating actin and microtubule cytoskeleton***

*Fuertes-Alvarez et al. Cell Death and Disease* (2018)9:1183 <https://doi.org/10.1038/s41419-018-1205-6> **Impact**

**Factor: 6.211**

**Université Libre de Bruxelles**  
**(ULB)**

**Prof. dr. Benoit Vanhollebeke, PhD – Publications 2018**

BONNIN E, CABOCHETTE P, FILOSA A, JÜHLEN R, KOMATSUZAKI S, HEZWANI M, DICKMANN S, MARTINELLI V, VERMEERSCH M, SUPPLY L, MARTINS N, PIRENNE L, RAVENSCROFT G, LOMBARD M, PORT S, SPILLNER C, JANSSENS S, ROETS E, VAN DORPE J, LAMMENS M, KEHLENBACH RH, FICNER R, LAING NG, HOFFMANN K, VANHOLLEBEKE B. and FAHRENKROG B.

**Biallelic mutations in nucleoporin NUP88 cause lethal fetal akinesia deformation sequence.**

*PLoS Genet.* 2018 Dec 13;14(12):e1007845. doi: 10.1371/journal.pgen.1007845.

**Impact Factor: 5.224.**

HÜBNER K, CABOCHETTE P, DIÉGUEZ-HURTADO R, WIESNER C, WAKAYAMA Y, GRASSME KS, HUBERT M, GUENTHER S, BELTING HG, AFFOLTER M, ADAMS RH, VANHOLLEBEKE B. and HERZOG W.

**Wnt/ $\beta$ -catenin signaling regulates VE-cadherin-mediated anastomosis of brain capillaries by counteracting S1pr1 signaling.**

*Nat Commun.* 2018 Nov 19;9(1):4860. doi: 10.1038/s41467-018-07302-x.

**Impact Factor: 11.878.**

EUBELLEN M, BOSTAILLE N, CABOCHETTE P, GAUQUIER A, TEBABI P, DUMITRU AC, KOEHLER M, GUT P, ALSTEENS D, STAINIER DYR, GARCIA-PINO A. and VANHOLLEBEKE B.

**A molecular mechanism for Wnt ligand-specific signaling.**

*Science.* 2018 Aug 17;361(6403). pii: eaat1178. doi: 10.1126/science.aat1178.

**Impact Factor: 41.037.**

GUERRA A, GERMANO RF, STONE O, ARNAOUT R, GUENTHER S, AHUJA S, URIBE V, VANHOLLEBEKE B, STAINIER DY. and REISCHAUER S.

**Distinct myocardial lineages break atrial symmetry during cardiogenesis in zebrafish.**

*eLife.* 2018 May 15;7. pii: e32833. doi: 10.7554/eLife.32833. **Impact Factor: 7.551.**

(no mention of a QEMF grant)

**Université de Liège**  
**(ULg)**

**Dr. Laurent NGUYEN and Dr. Brigitte MALGRANGE – Publications 2018**

**Publications supportées par le crédit FMRE**

GLADWYN-NG, I., CORDON BARRIS, L., ALFANO, C., CREPPE, COUDERC, T., MORELLI, G., THELEN, N., AMERICA, M., BESSIERES, B., ENCH-RAZAVI, F., BONNIERE, M., SUSUKI, I., FLAMAND, M., VANDERHAEGHEN, P., LECUIT, M. and NGUYEN, L. :

***Loss of Stress-induced unfolded protein response contributes to Zika virus-associated microcephaly.***

***Nature Neuroscience*** (2018), 21(1):63-71 (I.F. 2018= 21.126)

SILVA, C. G., PEYRE, E., ADHIKARI, M. H., TIELENS, S., TANCO, S., VAN DAMME, P., MAGNO, L., KRUSY, N., AGIRMAN, G., MAGIERA, M. M., KESSARIS, N., MALGRANGE, B., ANDRIEUX, A., JANKE, C. and NGUYEN, L.:

***Cell-intrinsic control of interneuron migration drives cortical morphogenesis.***

***Cell*** (2018), 172(5): 1063-78 (I.F. 2018= 36.2016)

MARLIER, Q., JIBASSIA, F., VERTENEUIL, S., LINDEN, J., KALDIS, P., MEIJER, L., NGUYEN, L., VANDENBOSCH, R., and MALGRANGE, B.:

***Genetic and pharmacological inhibition of Cdk1 provides neuroprotection towards ischemic neuronal death.***

***Cell death discovery*** (2018), 4(43) doi: 10.1038/s41420-018-0044-7. eCollection 2018 (I.F. 2018= n.a.)

MORELLI, G., EVEN, A., GLADWYN-NG, I., LE BAIL, R., SHILIAN, M., GODIN, J.D., PEYRE, E., HASSAN, B., BESSON, A., RIGO, J.-M., WEIL, M., BRÔNE, B., JANKE, C., and NGUYEN, L.:

***p27Kip1 modulates axonal transport by regulating  $\alpha$  tubulin acetyltransferase 1 stability.***

***Cell Reports*** (2018), 23(8): 2429-2442 (I.F. 2018= 7.815)

Caron, N. Genin, E.C., Marlier, Q., Verteneuil, S., Beukelaers, P., Morel, L., Hu, M. G., Hinds, P. W., Meijer, L., Nguyen, L., Vandenbosch, R., and Malgrange, B:

***Proliferation of hippocampal progenitors relies on p27-dependent regulation of Cdk6 kinase activity.***

***Cell Mol Lifes Sci*** (2018), 75(20): 3817-3827 (I.F. 2018= 6.721)

LECUIT, M. and NGUYEN L. :

***Lessons learnt from the emergence of Zika virus.***

***Nature Microbiology*** (2018) 591(24): 3978-3992 (I.F. 2017= 14.174.)