



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

PUBLICATIES VAN DE ONDERZOEKSPLOEGEN

UCLouvain

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

Prof. Fadel Tissir, PhD

ULB

Prof. dr. Benoit Vanhollebeke, PhD

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Dr. Laurent Nguyen & dr. Brigitte Malgrange

GESTEUND MET KREDIETEN VAN DE GENEESKUNDIGE STICHTING KONINGIN ELISABETH 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/ β -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.**

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Université de Liège
(ULg)

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

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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 α 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.)