



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

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

### **KU Leuven**

***Prof. dr. Claudia Bagni***

***Prof. dr. Simon De Meyer***

***Prof. dr. An Goris, PhD***

### **UCL**

***Prof. Julie Duque & dr. Alexandre Zénon***

***Dr. Fadel Tissir, PhD***

### **ULB**

***Prof. dr. Serge N. Schiffmann***

## **SUPPORTED BY GRANTS FROM THE QUEEN ELISABETH MEDICAL FOUNDATION 2017**

## **VOLUME I**

**KATHOLIEKE UNIVERSITEIT LEUVEN**  
**(KU Leuven)**

**Prof. dr. Claudia BAGNI**

SANTINI E, HUYNH TN, LONGO F, KOO SY, MOJICA E, D'ANDREA L, **BAGNI C**, KLANN E. (2017).

**“Reducing eIF4E-eIF4G interactions restores the balance between protein synthesis and actin dynamics in fragile X syndrome model mice”.**

*Sci Signal.* **10(504)**. pii: ean0665. doi: 10.1126/scisignal.aan0665. PMID: 29114037

**Impact Factor : 6.49.**

BRIZ V, RESTIVO L, PASCIUTO E, JUCZEWSKI K, MERCALDO V, LO AC, BAATSEN P, GOUNKO NV, BORRECA A, GIRARDI T, LUCA R, NYS J, POORTHUIS RB, MANSVELDER HD, FISONE G, AMMASSARI-TEULE M, ARCKENS L, KRIEGER P, MEREDITH R, **BAGNI C**. (2017).

**“The non-coding RNA BC1 regulates experience-dependent structural plasticity and learning”.**

*Nat Commun.* **8(1):293**. doi: 10.1038/s41467-017-00311-2. PMID: 28819097

**Impact Factor: 12.1.**

**(Grants from the Q.E.M.F. - Solvay price 2016)**

GEUENS T, DE WINTER V, RAJAN N, ACHSEL T, MATEIU L, ALMEIDA-SOUZA L, ASSELBERGH B, BOUHY D, AUERGRUMBACH M, **BAGNI C**, TIMMERMAN V. (2017).

**“Mutant HSPB1 causes loss of translational repression by binding to PCBP1, an RNA binding protein with a possible role in neurodegenerative disease”.**

*Acta Neuropathol Commun.* 5(1):5. doi: 10.1186/s40478-016-0407-3. PMID:28077174

**Impact Factor: Not Available**

HOLLIS F, KANELLOPOULOS AK, BAGNI C. (2017).

**“Mitochondrial dysfunction in Autism Spectrum Disorder: clinical features and perspectives”.**

*Curr Opin Neurobiol.* **45:178-187**. doi: 10.1016/j.conb.2017.05.018. Epub 2017 Jun 16. Review. PMID: 28628841

**Impact Factor: 6.95.**

**Prof. Dr. Ir. Simon DE MEYER, PhD – Publications 2017**

LARIDAN, E., DENORME, F., DESENDER, L., FRANÇOIS, O., ANDERSSON, T., DECKMYN, H., VANHOORELBEKE K, DE MEYER SF. (2017).

**Neutrophil extracellular traps in ischemic stroke thrombi.**

*Annals of Neurology*, Vol. nr. 313, 1451–10.

**Impact factor 9.89.**

## **Prof. Dr. An GORIS, PhD - Publications accepted in 2017**

IDE SMETS\*, BARNABY FIDDES\*, JOSSELYN E. GARCIA-PEREZ\*, DI HE\*, KLARA MALLANTS, WENJIA LIAO, JAMES DOOLEY, GEORGE WANG, STEPHANIE HUMBLET-BARON, BÉNÉDICTE DUBOIS, ALASTAIR COMPSTON, JOANNE JONES, ALASDAIR COLES, ADRIAN LISTON, MARIA BAN, AN GORIS, STEPHEN SAWCER.

**Multiple sclerosis risk variants alter expression of co-stimulatory genes in B cells.**

*Brain*, 2018, Vol. Nr. 141; pp. 786–796. (Accepted November 14<sup>th</sup> 2017)

**Impact Factor = 10.840.**

Opmerking: deze pdf mag publiek verspreid worden (Open Access)

KELLY HILVEN, MARIJNE VANDEBERGH, IDE SMETS, KLARA MALLANTS, AN GORIS and BÉNÉDICTE DUBOIS

**Genetic basis for relapse rate in multiple sclerosis: Association with LRP2 genetic variation**

*Multiple Sclerosis Journal*, DOI 10.1177/135245857749894, PP. 1-3

(Accepted November 28<sup>th</sup> 2017)

## **Université Catholique de Louvain** **(UCL)**

### **Prof. Julie Duque, PhD et Dr. Alexandre ZÉNON**

DEROSIERE G, VASSILIADIS P, DEMARET S, ZÉNON A, DUQUE J.

**Learning stage-dependent effect of M1 disruption on value-based motor decisions.**

*Neuroimage*. 2017 Sep 5;162:173-185. doi: 10.1016/j.neuroimage.2017.08.075.

**Impact Factor: 5.835**

SOLOPCHUK O, ALAMIA A, DRICOT L, DUQUE J, ZÉNON A.

**cTBS disruption of the supplementary motor area perturbs cortical sequence representation but not behavioural performance.**

*Neuroimage*. 2017 Sep 9. pii: S1053-8119(17)30752-8. doi: 10.1016/j.neuroimage.2017.09.013.

**Impact Factor: 5.835**

DUQUE J, GREENHOUSE I, LABRUNA L, IVRY RB.

**Physiological Markers of Motor Inhibition during Human Behavior.**

*Trends Neurosci*. 2017 Apr;40(4):219-236. doi: 10.1016/j.tins.2017.02.006.

**Impact Factor: 11.124**

ZÉNON A.

**Time-domain analysis for extracting fast-paced pupil responses.**

*Sci Rep*. 2017 Jan 30;7:41484. doi: 10.1038/srep41484.

**Impact Factor: 4.259**

### **Prof. Fadel TISSIR**

C. BOUCHERIE, C. BOUDIN, Y. JOSSIN, O. SCHAKMAN, AM. GOFFINET, L. RIS, P. GAILLY, and F. TISSIR  
**Neural progenitor fate decision defects, cortical hypoplasia and behavioral impairment in Celsr1-deficient mice.**

*Molecular Psychiatry*, Vol. 00, pp. 1-12. DOI: 10.1038/mp.2017.236

**Impact Factor: 11.64.**

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

**Prof. dr. Serge N. SCHIFFMANN**

YO OISHI, QI XU, LU WANG, BIN-JIA ZHANG, K. TAKAHASHI, YOHKO TAKATA, YAN-LIA LUO, YOAN CHERASSE, SERGE N. SCHIFFMANN, ALBAN DE KERCHOVE D'EXAERDE, YOSHIHIRO URADE, WEI-MIN QU, ZHI-LI HUANG AND MICHEL LAZARUS:

**Slow-wave sleep is controlled by a subset of nucleus accumbens core neurons in mice.**

***Nature Communications***, Vol. Nr. 8 :734, pp. 1-12. - doi: 10.1038/s41467-017-00781-4, 2017.

***Impact Factor: 12.124.***