



## PUBLICATIONS DES ÉQUIPES DE RECHERCHE DE

### UA

*Prof. dr. Vincent Timmerman, PhD*

*Prof. dr. Stefanie Dedeurwaerdere, PhD & dr. Idrish Ali, PhD*

### UGent

*Prof. dr. Luc Leybaert, PhD*

*Prof. dr. Jan Gettemans*

*Prof. dr Geert van Loo & prof. dr. Rudy Beyaert*

## SUBVENTIONÉES AVEC DES CRÉDITS DE LA FONDATION MÉDICALE REINE ELISABETH 2017

## VOLUME II

# Univeriteit Antwerpen (UA)

## Prof. dr. Vincent Timmerman, PhD – Publications 2017

BOUHY,D., JUNEJA,M., KATONA,I., HOLMGREN,A., ASSELBERGH,B., DE WINTER,V., HOICHEPIED,T., GOOSSENS,S., HAIGH,J.J., LIBERT,C., CEUTERICK-DE GROOTE,C., IROBI,J., WEIS,J., TIMMERMAN,V.:

**A knock-in/knock-out mouse model of HSPB8- associated distal hereditary motor neuropathy and myopathy reveals toxic gain-of-function of mutant Hspb8.**

***Acta Neuropathologica***, Vol. nr. 135, pp. 131-148 Epub: 05-Aug-2017 (PMID: 28780615) **Impact Factor: 12.213.**

ADRIAENSSENS, E.\* , GEUENS, T.\* , BAETS, J., ECHANIZ-LAGUNA,A., TIMMERMAN,V. (\* EQUAL CONTRIBUTION):

**Novel insights in the disease biology of mutant small heat shock proteins in neuromuscular diseases.**

***Brain* 140**, Vol. nr. 10, pp. 2541-2549 (2017) Epub: 01-Oct-2017 (PMID: 28969372) (

**Impact Factor: 10.292**

Haidar, M., Timmerman, V.:

**Review: Autophagy as an emerging common pathomechanism in inherited peripheral neuropathies.**

***Frontiers in Molecular Neuroscience***, Vol. nr. 10, pp. 143- (2017) Epub: 11-May-2017 (PMID: 28553203).

**Impact Factor: 5.076.**

ECHANIZ-LAGUNA, A.\* , GEUENS, T.\* , PETIOT,P., PÉRÉON,Y., ADRIAENSSENS,E., HAIDAR,M., CAPPONI,S., MAISONOBE,R., FOURNIER,E., DUBOURG,O., DEGOS,B., SALACHAS,F., LENGLET,T., EYMARD,B., DELMONT,E., POUGET,J., MORALES,R.J., GOIZET,C., LATOUR,P., TIMMERMAN,V.\* , STOJKOVIC,T.\* (\* EQUAL CONTRIBUTION):

**Axonal neuropathies due to mutations in small heat shock proteins: clinical, genetic and functional insights into novel mutations.**

***Human Mutation***, Vol. nr. 38 – 5, pp. 556-568 (2017)

***Epub***: 01-Feb-2017 (PMID: 28144995). **Impact Factor: 4.601 .**

GEUENS, T., DE WINTER, V., RAJAN, N., ACHSEL, T., MATEIU,L., ALMEIDA-SOUZA,L., ASSELBERGH,B., BOUHY,D., AUER-GRUMBACH,M., BAGNI,C., TIMMERMAN,V.:

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

***Acta Neuropathologica Communications***, Vol. nr. 5(1): pp. 5 (2017) Epub: 11-Jan-2017 (PMID: 28077174), on line journal of Acta Neuropathologica (no I.F. yet).

## Prof. dr. Stefanie DEDEURWAERDERE and PhD dr. IDRISH Ali - Publications 2017

MARKUS ASWENDT, MARTIN SCHWARZ, WALID M. ABDELMOULA, JOUKE DIJKSTRA, STEFANIE DEDEURWAERDERE, 2017,

**Whole-Brain Microscopy Meets In Vivo Neuroimaging: Techniques, Benefits, and Limitations,**

***Molecular Imaging & Biology***, DOI:10.1007/s11307-016-0988-z, **Impact Factor: 3.466**

BERTOGLIO D, VERHAEGHE J, SANTERMANS E, AMHAOUL H, JONCKERS E, WYFFELS L, VAN DER LINDEN A, HENS N, STAELENS S, DEDEURWAERDERE S, 2017,

**Non-invasive PET imaging of brain inflammation at disease onset predicts spontaneous recurrent seizures and reflects comorbidities,**

***Brain, Behavior, and Immunity***, 61:69-79. DOI: 10.1016/j.bbi.2016.12.015. **Impact Factor: 5.964**

VAN VLIET EA, DEDEURWAERDERE S, COLE AJ, FRIEDMAN A, KOEPP MJ, POTSCSKA H, IMMONEN R, PITKANEN A, FEDERICO P, 2017.

**WONOEP appraisal: Imaging biomarkers in epilepsy.**

*Epilepsia*, doi: 10.1111/epi.13621, **Impact Factor: 5.295**

ALI I, AERTGEERTS S, LE BLON D, BERTOGLIO D, HOORNAERT C, PONSARTS P, DEDEURWAERDERE S, 2017.

**Intracerebral delivery of the M2 polarizing cytokine interleukin 13 using mesenchymal stem cell implants in a model of temporal lobe epilepsy in mice.**

*Epilepsia*. 2017 Jun, Vol. 58, nr.6, pp.1063-1072. doi: 10.1111/epi.13743. **Impact Factor: 5.295**

DANIELE BERTOGLIO<sup>†</sup>, HALIMA AMHAOUL<sup>†</sup>, ANNEMIE VAN EETVELDT, RUBEN HOUBRECHTS

SEBASTIAAN VAN DE VIJVER, IDRISH ALI and STEFANIE DEDEURWAERDERE\*<sup>‡</sup>

**Kainic acid-induced rat models of temporal lobe epilepsy with high and low prevalence of spontaneous recurrent seizures.**

*Frontiers in Neurology*, Vol. 8, Article 588. **Impact Factor: 3.131.**

## Universiteit Gent (UGent)

### Prof. Dr. Luc Leybaert, MD, PhD -Publications 2017

LEYBAERT L, LAMPE PD, DHEIN S, KWAK BR, FERDINANDY P, BEYER EC, LAIRD DW, NAUS CC, GREEN CR, SCHULZ R.

**“Connexins in Cardiovascular and Neurovascular Health and Disease: Pharmacological Implications.”**

*Pharmacology & Pharmacy*, rank: 2/256, Vigintile: 1 (top 5%). Vol. 69, nr. 4, pp. 396-478,

**Impact factor: 17.893,**

### Prof. Dr. Jan GETTEMANS- 2017 – Publications 2017

ADRIAAN VERHELLE, NAIR NISHA, INGE EVERAERT, WOUTER VAN OVERBEKE, LYNN SUPPLY, OLIVIER ZWAENEPOEL, CINDY PELEMAN, JO VAN DORPE, TONY LAHOUTTE, NICK DEVOOGDT, WIM DRAVE, CHUAH K. MARINEE, THIERRY VANDEN DRIESSCHE and JAN GETTEMANS

**AAV9 delivered bispecific nanobody attenuates amyloid burden in the geloslin amyloidosis Mouse model**

*Humans Molecular genetics*, Vol. Nr 26, pp. 3030

**Impact Factor: 4,902**

### Prof. dr. Geert van LOO & Prof. dr. Rudi BEYAERT

CATRY SSE, L. AND VAN LOO, G. (2017)

**Inflammation and the metabolic syndrome : the tissue specific functions of NF- $\kappa$ B.**

*Trends Cell Biol.*, Vol. 27, nr. 6, pp. 417-429.

**Impact Factor:11.5**

DE WILDE, K., MARTENS, A., LAMBRECHT, S., JACQUES, P., DRENNAN, M.B., DEBUSSCHERE, K., COUDENYS, J., VERHEUGEN, E., WINDELS, F., BEYAERT, R., VAN LOO, G. AND ELEWAUT, D. (2017)

**A20 inhibition of STAT1 signaling in myeloid cells: a novel endogenous regulatory mechanism preventing development of enthesitis.**

*Annals of the Rheumatic Diseases*, Vol. 76, nr 3, pp. 585- 592.

**Impact Factor : 12.4**