



PUBLICATIONS OF THE RESEARCH GROUPS

KU Leuven

Prof. dr. Veerle Baekelandt , PhD

Prof. dr. Simon De Meyer, PhD

Prof. dr. Bart De Strooper, MD, PhD

Prof. dr. An Goris, PhD

Prof. dr. Peter Vangheluwe, PhD

Prof. dr. Thomas Voets

Prof. dr. Catherine Verfaillie

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VOLUME I

KATHOLIEKE UNIVERSITEIT LEUVEN
(KU Leuven)

Prof. Dr. Veerle Baekelandt, PhD – Publications 2018

GELDERS G, BAEKELANDT V AND VAN DER PERREN A. (2018)

Linking Neuroinflammation and Neurodegeneration in Parkinson's disease,

***Journal of Immunology Research*:**

Special Issue: "Immune and Inflammatory-Mediated Disorders: From Bench to Bedside", 2018:4784268.

Impact Factor: 3.300.

W. PEELAERTS, L. BOUSSET, V. BAEKELANDT and R. MELKI (2018).

α -Synuclein strains and seeding in Parkinson's disease, incidental Lewy body disease, dementia with bodies and multiple system atrophy: similarities and differences

Springer, <https://doi.org/10.1007/s00441-018-2839-5>

Cell and Tissue Research (Special Issue Parkinson's disease Molecules, cells, and circuitries), Vol. 373, Nr. 1, pp. 195-212.

Impact Factor: 2.800.

Prof. Dr. Ir. Simon De Meyer, PhD

LARIDAN E., DENORME F., DESENDER L., FRANÇOIS O., DECKMYN H., VANHOORELBEKE K. & DE MEYER S.

Neutrophil extracellular in ischemic stroke thrombi

Annals of Neurology, Vol. 82, nr. 2, pp. 223-232.

Impact factor: 10.24.

BROUWER PA., BRINJIKJI W. and DE MEYER SF. (2018).

Clot Pathophysiology Why Is It Clinically Important?.

Neuroimaging clinics of North America, Vol. 28, nr. 4, pp. 611-623.

Impact factor: 1.28.

Prof. Dr. Bart De Strooper, MD, PhD – Publications 2018

CHRISTEL CLAES, JOHANNA VAN DEN DAELE, RUBEN BOON, SARAH SCHOUTEDEN, ALESSIO COLOMB, LAURA SEBASTIAN MONASOR, MARK FIERS, LAURA ORDOVAS FATEMEHAREFEH NAMI, BERND BOHRMANN, SABINA TAHIROVIC, BART DE STROOPER, CATHERINE M. VERFAILLIE

Human stem cell-derived monocytes and microglia-like cells reveal impaired amyloid plaque clearance upon heterozygous or homozygous loss of TREM2

Alzheimer's & Dementia - (2018) pp. 1-12

Impact Factor: 14.423

ANNERIEKE SIERKSMA, ASHLEY LU, EVGENIA SALTA, ELKE VANDEN EYNDEN, ZSUZSANNA CALLAERTS-VEGH, RUDI D'HOOGHE, DAVID BLUM, LUC BUÉE, MARK FIERS and BART DE STROOPER

Deregulation of neuronal miRNAs induced by amyloid- β or TAU pathology

Molecular Neurodegeneration (<https://doi.org/10.1186/s13024-018-0285-1>), pp. 1-15.

Impact Factor: 8.274

MARCO SPINAZZI, ENRICO RADAELLI, KATRIEN HORRÉ, AMAIA M. ARRANZ, NATALIA V. GOUNKO, PATRIZIA AGOSTINIS, TERESA MENDES MAIA, FRANCIS IMPENS, VANESSA ALEXANDRA MORAIS, GUILLERMO LOPEZ-LLUCH, LUTGARDE SERNEELS, PLACIDO NAVAS, AND BART DE STROOPER

PARL deficiency in mouse causes Complex III defects, coenzyme Q depletion, and Leigh-like syndrome *PNAS*, vol. 116, nr. 1, pp. 277–286 . Impact Factor: 9.580.

Prof. Dr. An Goris, PhD - Publications accepted in 2018

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

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

Brain 2018; 141; 786–796

Impact Factor: 11.814

MAYA IMBRECHTS, KAREN DE SAMBLANC, KARLIEN FIERENS, ELLEN BRISS, JESSICA VANDENHAUTE, TANIA MITERA, CLAUDE LIBERT, IDE SMETS, AN GORIS, CARINE WOUTERS, and PATRICK MATTHYS.

Ifn- γ stimulates cpg-induced il-10 production in b cells via p38 and JNK signalling pathways

Eur. J. Immunol. 2018. 0: 1–16

Impact Factor: 4.695.

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 Msj Journal, DOI 10.1177/13524585177499804

Impact Factor : 5.649.

VASILIKI LAGOU, JOSSELYN E. GARCIA-PEREZ, IDE SMETS, LIES VAN HOREBEEK, MARIJNE VANDEBERGH, LIYE CHEN, KLARA MALLANTS, TERESA PREZZEMOLO, KELLY HILVEN, STEPHANIE HUMBLET-BARON, MATTHIEU MOISSE, PHILIP VAN DAMME, GUY BOECKXSTAENS, PAUL BOWNESS, BE'NE'DICTE DUBOIS, JAMES DOOLEY, ADRIAN LISTON and AN GORIS.

Genetic Architecture of Adaptive Immune System Identifies Key Immune Regulators

Cell Reports 25, 798–810, October 16, 2018

Impact Factor: 7.815.

LIES VAN HOREBEEK, KELLY HILVEN, KLARA MALLANTS, ANNEMARIE, VAN NIEUWENHUIJZE, TIINA KELKKA, PAULA SAVOLA, SATU MUSTJOKI, SUSAN M. SCHLENNER, ADRIAN LISTON, BÉNÉDICTE DUBOIS, and AN GORIS

A robust pipeline with high replication rate for detection of somatic variants in the adaptive immune system as a source of common genetic variation in autoimmune disease

Human Molecular Genetics, doi: 10.1093/hmg/ddy425

Impact Factor : 4.544

ADRIAN LISTON and AN GORIS

The origins of diversity in human immunity:

Large-scale genetic and immunological profiling reveals key environmental and genetic drivers of immunological diversity within the healthy human population.

Nature Immunology Pub. 23 February 2018 <https://doi.org/10.1038/s41590-018-0047-9>

(geen vermelding van de GSKE)

Prof. Dr. Peter Vangheluwe, PhD – Publications 2018

SØRENSEN DM, HOLEMANS T, VAN VEEN S, MARTIN S, ARSLAN T, HAAGENDAHL IW, HOLEN HW, HAMOUDA NN, EGGERMONT J, PALMGREN M. and VANGHELUWE P.

Parkinson disease related ATP13A2 evolved early in animal evolution.

PLoS One. 2018 Mar 5;13(3):e0193228.

Most recent **Impact Factor: 3.057**

Prof. Dr. Catherine Verfaillie – Publications 2018

CLAES C, VAN DEN DAELE J. and VERFAILLIE CM.

Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia.

Cell Immunol. 2018 Aug;330:60-67. doi: 10.1016/j.cellimm.2018.01.019

Impact Factor: 3.291

Prof. dr. Thomas Voets – Publications 2018

VANDEWOUW, I., DE CLERCQ, K., MULIER, M., HELD, K., PINTO, S., VAN RANST, N. AND VOETS, T. (2018).

A TRP channel trio mediates acute noxious heat sensing.

Nature, 555(7698), 662-666. doi:10.1038/nature26137.

Impact Factor: 43.070