

# **PUBLICATIONS DES ÉQUIPES DE RECHERCHE DE**

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**Prof. dr. Marc CRUTS**

### Articles in International Journals

**GIJSELINCK,I., VAN MOSSEVELDE,S., VAN DER ZEE,J., SIEBEN,A., PHILTJENS,S., HEEMAN,B., ENGELBORGH,S., VANDENBULCKE,M., DE BAETS,G., BÄUMER,V., CUIJT,I., VAN DEN BROECK,M., MATTHEIJSENS,M., PEETERS,K., ROUSSEAU,F., VANDENBERGHE,R., DE JONGHE,P., CRAS,P., DE DEYN,P.P., MARTIN,J-J., **CRUTS,M.**, VAN BROECKHOVEN,C., BELGIAN NEUROLOGY (BELNEU) CONSORTIUM:**

**“Loss of TBK1 is a frequent cause of frontotemporal dementia in a Belgian cohort”.**

*Neurology* , Vol. nr. 85, pp. 2116-2125 (2015) Epub: 18-Nov-2015 (PMID: 26581300).

**Impact Factor: 8.166.**

**GIJSELINCK,I., VAN MOSSEVELDE,S., VAN DER ZEE,J., SIEBEN,A., ENGELBORGH,S., DE BLEECKER,J., IVANOIU,A., DERYCK,O., EDBAUER,D., ZHANG,M., HEEMAN,B., BÄUMER,V., VAN DEN BROECK,M., MATTHEIJSENS,M., PEETERS,K., ROGAEVA,E., DE JONGHE,P., CRAS,P., MARTIN,J-J., DE DEYN,P.P., VAN BROECKHOVEN,C., **CRUTS,M.**, BELNEU CONSORTIUM:**

**“The C9orf72 repeat size correlates with onset age of disease, DNA methylation and transcriptional downregulation of the promoter”.**

*Molecular Psychiatry* 21: 1112-1124 (2016) Epub: 20-Oct-2015 (PMID: 26481318).

**Impact Factor: 13.314.**

KLEINBERGER,G., CAPELL,A., BROUWERS,N., FELLERER,K., SLEEGERS,K., **CRUTS,M.**, VAN BROECKHOVEN,C., HAASS,C.:

**“Reduced secretion and altered proteolytic processing caused by missense mutations in progranulin”.**

*Neurobiology of Aging* ,Vol. nr. 39. 220.e17-2.6 Epub: 29-Dec-2015 (PMID: 26811050)

**Impact Factor: 5.153.**

### Articles in Books

**CRUTS,M.**, ENGELBORGH,S., VAN DER ZEE,J., VAN BROECKHOVEN,C.:

**“C9orf72-related amyotrophic lateral sclerosis and frontotemporal dementia”.**

In: GeneReviews® Edited by Edited by Roberta A Pagon, Editor-in-chief, Margaret P Adam, Holly H Ardinger, Thomas D Bird, Cynthia R Dolan, Chin-To Fong, Richard JH Smith, and Karen Stephens. (Seattle (WA): University of Washington, Seattle; 1993-2015;

*GeneReviews* (2015): Internet Publication <http://www.ncbi.nlm.nih.gov/books/NBK268647>)

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In: Hodges’ Frontotemporal Dementia second edition Edited by Bradford C.Dickerson (Cambridge University Press)

**Prof. dr. Stefanie DEDEURWAEDERE.**

AMHAOUL H, HAMAIDE J, BERTOGLIO D, REICHEL SN, VERHAEGHE J, GEERTS E, VAN DAM D, DE DEYN PP, KUMAR-SINGH S, KATSIFIS A, VAN DER LINDEN A, STAELENS S, DEDEURWAERDERE S.

**“Brain inflammation in a chronic epilepsy model: Evolving pattern of the translocator protein during epileptogenesis”.**

*Neurobiology of Disease*, 2015, Vol Nr. 82, pp. 526-539.

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**Universiteit Gent**  
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**Prof. dr. Jan GETTEMANS**

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**“An ER-directed nanobody targets the first step in amyloid formation in a hereditary gelsolin amyloidosis mouse model by protecting mutant plasma gelsolin from furin proteolysis”.** 2015.

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**“Non-invasive imaging of amyloid deposits in a mouse model of AGel using <sup>99m</sup>Tc-modified nanobodies and SPECT/CT”.** Epub ahead of print

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CATRYSSSE, L., FUKAYA, M., SZE, M., MEYEROVICH, K., BEYAERT, R., CARDOZO, A.K. AND VAN LOO, G. (2015) **A20 deficiency sensitizes pancreatic beta cells to cytokine-induced apoptosis *in vitro* but does not influence type 1 diabetes development *in vivo*.**

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**Université de Liège**  
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**Prof. dr. Pierre MAQUET & Dr. Christophe PHILIPS**

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***Developmental Cell*** (2015), Vol. nr.35, Art 5, pp. 553-567. **Impact Factor 2014: 9.708**

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**Vrije Universiteit Brussel**  
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**Prof. dr. Ann MASSIE and Prof dr. Ilse SMOLDERS**

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*The Journal of Neuroscience*, Vol. nr. 35(34), pp. 11960-11975. **5-year impact factor = 5,924**