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GESTEUND MET KREDIETEN VAN DE

GENEESKUNDIGE STICHTING KONINGIN ELISABETH

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Prof. dr. Jan Gettemans

WOUTER VAN OVERBEKE, ADRIAAN VERHELLE, INGE EVERAERT, OLIVIER ZWAENPOEL, JOËL VANDEKERCKHOVE, CLAUDE CUVELIER, WIM DERAIVE and JAN GETTEMANS.

“Chaperone nanobodies protect gelsolin against MT1-MMP degradation and alleviate amyloid burden in the gelsolin amyloidosis mouse model.”

Molecular Therapy, Vol. 22, pp. 1768-1778. **Impact Factor: 6.227.**

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

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“A20 controls intestinal homeostasis through cell-specific activities.”

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TAKAHASHI N., VEREECKE L., J.M. BERTRAND M., DUPREZ L., B. BERGER SCOTT, DIVERT T., GONCALVE A., SZE M., GILBERT B., KOURULA S., GOOSSENS V., LEFEBVRE S., GÜNTHER C., BECKER C., BERTIN J., GOUGH PETER J., DECLERCQ W., van LOO G. and VANDENABEELE P.

“RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis.”

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“Pharmacological inhibition of MALT1 protease activity by mepazine protects mice from experimental autoimmune encephalomyelitis.”

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“Negative regulation of the NLRP3 inflammasome by A20 protects against arthritis. “

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“A20 in inflammation and autoimmunity.”

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Prof. dr. Serge N. SCHIFFMANN

DAVID ORDUZ, ALAIN BOOM, DAVID GALL, JEAN-PIERRE BRION, SERGE N. SCHIFFMANN and BEAT SCHWALLER.

Subcellular structural plasticity caused by the absence of the fast Ca²⁺ buffer calbindin D-28k in recurrent collaterals of cerebellar Purkinje neurons,

Frontiers in Cellular Neuroscience, Vol. 8, Art 364, pp. 1-14./ doi: 10.3389/fncel.2014.00364, Impact Factor: 4.175.

Dr. Pierre VANDERHAEGHEN

LUCA TIBERI, JEROME BONNEFONT, JELLE VAN DEN AMEELE, SERGE-DANIEL LE BON, ADE` LE HERPOEL, ANGE´ LINE BILHEU, BEVERLY W. BARON, and PIERRE VANDERHAEGHEN

A BCL6/BCOR/SIRT1 complex triggers neurogenesis and suppresses medulloblastoma by repressing sonic hedgehog signaling.

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Novel and robust transplantation reveals the acquisition of polarized processes by cortical cells derived from mouse and human pluripotent stem cells.

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Cortical neurogenesis from pluripotent stem cells: complexity emerging from simplicity.

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Prof. dr. Pierre MAQUET & Dr. Christophe Philips

ELODIE ANDRÉ, FARIDA GRINBERG, EZEQUIEL FARRHER, IVAN I. MAXIMOV, N. JON SHAH, CHRISTELLE MEYER, MATHIEU JASPAR, VINCENZO MUTO, CHRISTOPHE PHILLIPS and EVELYNE BALTEAU

Influence of Noise Correction on Intra- and Inter-Subject Variability of Quantitative Metrics in Diffusion Kurtosis Imaging.

Plos One, Vol. 9,nr. 4, pp. e94531, pp. 1-14. Impact Factor: 3.234.

VIRGINIE STERPENICH, SOPHIE SCHWARTZ, PIERRE MAQUET and Martin DESSEILLES
Ability to Maintain Internal Arousal and Motivation Modulates Brain Responses to Emotions
Plos One, DOI:10.1371/journal.pone011299, pp. 1-24. **Impact Factor: 3.234**

VIRBINIE STERPENICH; CHRISTINA SCHMIDT; GENVIÈVE ALBOUY; LUCA MATARAZZO; AUDREY VANHAUDENHUYSE; PIERRE BOVEROUX; CHRISTIAN DEGUELDRE; YVES LECLERCQ; EVELYNE BALTEAU; FABIENNE COLLETTE; ANDRÉ LUXEN; CHRISTOPHE PHILLIPS and PIERRE MAQUET.

Memory Reactivation during Rapid Eye Movement Sleep Promotes Its Generalization and Integration in Cortical Stores

Sleep, Vol. 37, Nr. 6, pp. 1061-1075. (1075A en 1075B). **Impact factor: 4.591.**

Dr. Laurent NGUYEN & Dr Brigitte MALGRANGE

SOPHIE LAGUESSE, ELISE PEYRE AND LAURENT NGUYEN

Progenitor genealogy in the developing cerebral cortex

Cell and Tissue Research, Vol. 32, nr. 6, pp. 1398-1407. **Impact Factor: 3.565.**

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MicroRNA targeting of CoREST controls polarization of migrating cortical neurons

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Glycine receptors control the generation of projection neurons in the developing cerebral cortex.

Cell Death and Differentiation, Vol. 21, nr. 11, pp. 1696-1708. **Impact Factor: 8.385.**