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Dr. Emmanuel HERMANS

SABRINA SCHÄFER and EMMANUEL HERMANS

Reassessment of motor-behavioural test analyses enables the detection of early disease-onset in a transgenic mouse model of amyotrophic lateral sclerosis

Behavioural Brain Research, Vol. 225, pp. 7-14. **Impact Factor: 3.417.**

JULIE V. BERGER, RONALD DEUMENS, STÉPHANIE GOURSAUD, SABRINA SCHÄFER, PATRICIA LAVAND'HOMME, ELBERT A. JOOSTEN and EMMANUEL HERMANS.

Enhanced neuroinflammation and pain hypersensitivity after peripheral nerve injury in rats expressing mutated superoxide dismutase 1

Journal of Neuroinflammation, Vol. 8, pp. 1-14. **Impact Factor: 3.827.**

STEPHANIE GOURSAUD, MARYLÈNE C.FOCANT, JULIE V. BERGER, YANNICK NIZET, JEAN-MARIE MALOTEAUX and EMMANUEL HERMANS.

The VPAC₂ agonist peptide histidine isoleucine(PHI) up-regulates glutamate transport in the corpus callosum of a rat model of amyotrophic lateral sclerosis (hSOD1^{G93A}) by inhibiting caspase-3 mediated inactivation of GLT-1a.

The FASEB Journal; Vol. 25, pp. 3674-3686. **Impact Factor: 5.712.**

MARYLÈNE C.FOCANT, STÉPHANIE GOURSAUD, YANNICK NIZET and EMMANUEL HERMANS.

Differential regulation of C-terminal splice variants of the glutamate transporter GLT-1 by tumor necrosis factor-alpha in primary cultures of astrocytes.

Neurochemistry International, Vol. 58, pp. 751-758. **Impact Factor: 2.857.**

UNIVERSITEIT GENT
(UGent)

Prof. Dr. Geert van LOO and Prof. dr. Rudi BEYAERT

CONOR Mc GUIRE, RUDI BEYAERT and GEERT VAN LOO

Death receptor signalling in central nervous system inflammation and demyelination

Trends Neuroscience, Vol. 34, Nr. 12, pp. 619-628. **Impact Factor: 13.000.**

LARS VEREECKE, RUDI BEYAERT and GEERT VAN LOO

Enterocyte death and intestinal barrier maintenance in homeostasis and disease.

Trends Molecular Medicine, Vol; 17, pp. 584-593. **Impact Factor: 11.100.**

KELLY VERHELST, ISABELLE CAPENTIER and RUDI BEYAERT.

Regulation of TNF-induced NF-κB activation by different cytoplasmic ubiquitination events

Cytokine & Growth Factor Reviews, Vol. 22, Nr. 4-5, pp. 277-286. **Impact Factor: 7.800.**

KELLY VERHELST, LYNN VERSTREPEN, ISABELLE CARPENTIER and RUDI BEYAERT

Linear ubiquitination in NF- κ B signaling and inflammation: What we do understand and what we do not.

Biochemical Pharmacology, Vol. 82, Nr. 9, pp. 1057-1065. **Impact Factor: 4.700.**

LYNN VERSTREPEN, KELLY VERHELST, ISABELLE CARPENTIER and RUDI BEYAERT.

TAX1BP1, a ubiquitin-binding adaptor protein in innate immunity and beyond.

Trends in Biochemical Sciences, Vol. 36, Nr. 7, pp. 347-354. **Impact Factor: 10.900.**

UNIVERSITÉ LIBRE DE BRUXELLES (ULB)

Prof. Dr. Eric J. BELLEFROID

GHIMOUZ R, BAR I, HANOTEL J, MINELA B, KERUZORE M, THELIE A, BELLEFROID EJ.

The homeobox leucine zipper gene *Homez* plays a role in *Xenopus laevis* neurogenesis.

Biochemical and Biophysical Research Communications, Vol. 415, pp. 11-16. **Impact factor: 2.484.**

POUREBRAHIM R, HOUTMEYERS R, GHOGOMU S, JANSSENS S, THELIE A, TRAN HT, LANGENBERG T, VLEMINCKX K, BELLEFROID E, CASSIMAN JJ, TEJPAR S.

Transcription factor *Zic2* inhibits Wnt/ β -catenin protein signaling.

Journal of Biological Chemistry. Vol. 286, Nr. 43, pp. 37732-37740. **Impact factor: 5.328.**

Prof. Dr. Serge N. SCHIFFMANN

R. AZIZIEH, D. ORDUZ, P. VAN BOGAERT, T. BOUSCHET, W. RODRIGUEZ, S.N. SCHIFFMANN, I. PIRSON, M.J. ABRAMOWICZ.

Progressive myoclonic epilepsy-associated gene *KCTD7* is a regulator of potassium conductance in neurons.

Molecular. Neurobiologie., Vol. 44, pp. 111-121. **Impact Factor: 6.068.**

D. DARDOU, D. DASSESE, L. CUVELIER, T. DEPREZ, M. DE RYCK, S.N. SCHIFFMANN.

Distribution of *SV2C* mRNA and protein expression in the mouse brain with a particular emphasis on the basal ganglia system.

Brain Research, Vol. 1367, pp. 130-145. **Impact Factor: 2.463.**

P. F. DURIEUX, S.N. SCHIFFMANN, A. de KERCHOVE d'EXAERDE :

Targeting neuronal populations of the striatum.

Frontiers in Neuroanatomy, Vol. 5, Nr.40, pp. 1-9. **Impact Factor: 3.068.**

S. ENA, A. de KERCHOVE d'EXAERDE, S.N. SCHIFFMANN

Unraveling the differential functions and regulation of striatal neuron sub-populations in motor control, reward, and motivational processes.

Front Behavioral Neuroscience, Vol. 5, pp. 1-10. **Impact Factor: 0.000**

R. HOUREZ, L. SERVAIS, D. ORDUZ, D. GALL, I. MILLARD, A. de KERCHOVE d'EXAERDE, G. CHERON, H.T. ORR, M. PANDOLFO, S.N. SCHIFFMANN

Aminopyridines correct early dysfunction and delay neurodegeneration in a mouse model of spinocerebellar ataxia type 1.

The Journal of Neuroscience, Vol. 31, Nr. 33, pp. 11795-11807. **Impact Factor: 7.115.**

Prof. Dr. Pierre VANDERHAEGHEN

NICOLAS GASPARD and PIERRE VANDERHAEGHEN

Laminar fate specification in the cerebral cortex

F1000Reports Biology, Vol. 3, Nr. 6, pp. 1-6. **Impact Factor: Not Available.**

NELLE LAMBERT, MARIE-ALEXANDRA LAMBOT, ANGÉLINE BILHEU, VALÉRIE BILHEU, YVON ENBLERT, FRÉDÉRIK LIBERT, JEAN-CHRISTOPHE NOEL, CHRISTOS SOTIRIOU, KATHERINE S. POLLARD, VINCENT DETOURS and PIERRE VANDERHAEGHEN.

Genes expressed in specific areas of the human fetal cerebral cortex display distinct patterns of evolution.

PlusOne, Vol. 6, Nr. 3 , pp. 1-13, e17753. **Impact factor : 4.500**

NICOLAS GASPARD and PIERRE VANDERHAEGHEN.

From stem cells to neural networks: recent advances and perspectives for neurodevelopment disorders

Developmental medicine & child Neurology, Vol. 53, pp. 13-17. **Impact Factor: 3.400.**

Prof. Dr. Marc PARMENTIER

BONDUE B, VOSTERS O, DE NADAI P, GLINEUR S, DE HENAU O, LUANGSAY S, VAN GOOL F, COMMUNI D, DE VUYST P, DESMECHT D, PARMENTIER M.

ChemR23 dampens lung inflammation and enhances anti-viral immunity in a mouse model of acute viral pneumonia.

PLOS Pathogens, 7: e1002358. **Impact Factor: 9.130.**

BONDUE B, WITTAMER V, PARMENTIER M.

Chemerin and its receptors in leukocyte trafficking, inflammation and metabolism.

Cytokine & Growth Factor Reviews, Vol. Nr. 22, pp. 331-338. **Impact factor: 7.810.**

DEVOSSE D, DUTOIT R, MIGEOTTE I, IMBAULT V, COMMUNI D, SALMON I, PARMENTIER M.

Processing of HEBP1 by cathepsin D gives rise to F2L, the agonist of Formyl Peptide Receptor 3.

Journal of Immunology, Vol. Nr. 187, pp. 1475-1485. **Impact Factor: 5.790.**

MIEVIS S, BLUM D, LEDENT C.

Worsening of Huntington disease phenotype in CB1 receptor knockout mice.

Neurobiology Disease, Vol. Nr. 42, pp. 524-529. **Impact Factor: 5.120.**

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GPR3 orphan receptor is involved in neuropathic pain after peripheral nerve injury and regulates morphine-induced antinociception.

Neuropharmacology, Vol. Nr. 61, pp.43-50. **Impact Factor: 4.810.**

MIEVIS S, BLUM D, LEDENT C.

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Neurobiology Diseases, Vol. Nr. 41, pp.570-576. **Impact Factor: 5.120.**

UNIVERSITÉ DE LIÈGE (ULg)

Prof. Dr. Pierre MAQUET

G. VANDEWALLE, SIMON N. ARCHER, C. WUILLAUME, E. BALTEAU, C. DEGUELDRE, A. LUXEN, DERK-JA N DIJK and MAQUET PIERRE

Effects of light on cognitive brain responses depend on circadian phase and sleep homeostasis.

The Journal of Biological Rhythms, Vol. 29, pp. 249- 258. **Impact Factor: 2.934.**

L. MASCETTI, A. FORET, A. SHAFFI-LE BOURDIEC, V. MUTO, C. KUSSÉ, M. JASPAR, L. MATARAZZO, THANH DANG-VU, M. SCHABUS and PIERRE MAQUET.

Spontaneous neural activity during human non-rapid eye movement sleep.

Progress in Brain Research, Vol. 193, pp. 111-118. **Impact factor: 3.040.**

J. SCHROUFF, V. PERLBARG, M. BOLY, G. MARRELEC, P. BOVEROUX, A. VANHAUDENHUYSE, MARIE-AURÉLIE BRUNI, S. LAUREYS, C. PHILLIPS, MÉLANIE PÉLÉGRINI- ISSAC, HABIB BENALI and PIERRE MAQUET.

Brain functional integration decreases during propofol-induced loss of consciousness.

NeuroImage, Vol 57, pp. 198-205. **Impact factor: 5.895.**

T. THANH DANG-VU, M. BONJEAN, M. SCHABUS, M. BOLY, A. DARSAUD, M. DESSEILLES, C. DEGUELDRE, E. BALTEAU, A. LUXEN, TERRENCE J. SEJNOWSKI and PIERRE MAQUET

Interplay between spontaneous and induced brain activity during human non-rapid eye movement sleep.

PNAS, Vol. 108, nr. 37, pp. 15438-15443. **Impact factor: 9.681.**

Dr. Laurent NGUYEN and Dr Brigitte MALGRANGE

PIERRE BEUKELAERS, RENAUD VANDENBOSCH, NICOLAS CARON, SHIBESHIH BELACHEW, GUSTAVE MOONEN, HIROAKI KIYOKAWA, HIROAKI KIYOKAWA, MARIANO BARBACID, DAVID SANTAMARIA, LAURENT NGUYEN and BRIGITTE MALGRANGE.

Cdk6-dependent regulation of G₁ length controls adult neurogenesis.

Stem Cells, "Tissue-Specific Stem Cells" , pp. 1-20. **Impact Factor: 7.800.**

PIERRE BEUKELAERS, RENAZUD VANDENBOSCH, NICOLAS CARON, GUSTAVE MOONEN, BRIGITTE MALGRANGE and LAURENT NGUYEN.

Cycling or not cycling: cell cycle regulatory molecules and adult neurogenesis.

Cellular and Molecular Life Sciences, DOI 10.1007/s00018-011-0880-6. **Impact Factor: 6.600.**

UNIVERSITÉ DE MONS
(UMons)

Dr. Laurence RIS

ELIANE E. IRVINE, ARTHUR DANHIEZ, CHARLOTTE NASSIM, WALTER LUCCHESI, EMILE GODAUX and LAURENCE RIS.

Properties of contextual memory formed in the absence of α CaMKII autophosphorylation

Molecular brain, Vol. 4, Nr. 8, pp. 1-10. **Impact factor: 4.130.**

VRIJE UNIVERSITEIT BRUSSEL
(VUB)

Prof. dr. Yvette MICHOTTE and Prof dr. Ilse SMOLDERS (project 2008-2010)

E. LOYENS, A. SCHALLIER, S.Y. CHAI, D. DE BUNDEL, P. VANDERHEYDEN, Y. MICHOTTE and I. SMOLDERS.

Deletion of insulin-regulated aminopeptidase in mice decreases susceptibility to pentylentetrazol-induced generalized seizures.

Seizure, Vol. 20, pp. 602-605. **Impact Factor: 1.857.**

E. LOYENS, K. VERMOESEN, A. SCHALLIER, Y. MICHOTTE and I. SMOLDERS.

Proconvulsive effects of oxytocin in the generalized pentylentetrazol mouse model are mediated by vasopressin 1a receptors.

Brain Research. [Epub ahead of print]. **Impact Factor: 2.665.**

Prof. dr. Prof Ilse SMOLDERS, Prof. dr. Yvette Michotte and A. MASSIE (project 2011-2013)

D. DE BUNDEL, A. SCHALLIER, E. LOYENS, R. FERNANDO, H. MIYASHITA, K. VERMOESEN, J. VAN LIEFFERINGE, S. BANNAI, H. SATO, Y. MICHOTTE, I. SMOLDERS and A. MASSIE

Loss of system x_c^- does not induce oxidative stress but decreases extracellular glutamate in hippocampus and influences spatial working memory and limbic seizure susceptibility.

The Journal of Neuroscience, Vol. 31, pp. 5792-5803. **Impact Factor: 8.068.**