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VOLUME I

Prof. Dr. André Goffinet

Y. JOSSIN and A.M. GOFFINET
Reelin signals through phosphatidylinositol 3-Kinase and akt to control cortical development and through mTor to regulate dendritic growth.
Molecular and Cellular Biology, Vol. 27, nr. 20, pp. . **Impact Factor: 6.77**

Y. JOSSIN, L. GUI and A.M. GOFFINET.
Processing of reelin by embryonic neurons is important for function in tissue but not in dissociated cultured neurons.
The Journal of Neuroscience, Vol. 27, nr. 16, pp. 4243-4252. **Impact Factor: 7.45**

Prof. Dr. Pierre Maquet

G. ALBOUY, P. RUBY, C. PHILLIPS, A. LUXEN, P. PEIGNEUX and P. MAQUET.
Implicit oculomotor sequence learning in humans: time course of offline processing.
Brain Research, Vol. 1090, pp.163-171. **Impact Factor: 2,341.**

A. D'ARGEMBEAU, P. RUBY, F. COLLETTE, C. DEGUELDRE, E. BALTEAU, A. LUXEN, E. SALMON and P. MAQUET.
Distinct regions of the medial prefrontal cortex are associated with self-referential processing and perspective taking.
Journal of Cognitive Neuroscience, Vol. 19, nr. 6, pp. 1-10. **Impact Factor: 5,197.**

T. THANH DANG-VU, M. DESSEILLES, D. PETIT, S. MAZZA, J. MONTPLAISIR and P. MQUET.
Neuroimaging in sleep medicine
Sleep Medicine, Vol. 8, pp. 350-373. **Impact factor : 2,795.**

G. VANDEWALLE, S. GAIS, M. SCHALBUS, E. BALTEAU, J. CARRIER, A. DARSAUD, V. STERPENICH, G. ALBOUY, D.J. DIJK and P. MAQUET.
Wavelength-dependent modulation of brain responses to a working memory task by daytime light exposure.
Cerebral Cortex, Vol. 6, pp. 1-8. **Impact Factor: 6,519.**

A.D'ARGEMBEAU, P. RUBY, F. COLLETTE, C. DEGUELDRE, E. BALTEAU, A. LUXEN, E. SALMON and P. MAQUET.
Distinct regions of the medial prefrontal cortex are associated with self-referential processing and perspective taking.
Journal of Cognitive Neuroscience, Vol. 19(6), pp.935-944. **Impact Factor: 4,997.**

S. GAIS, G. ALBOUY, M. BOLY, T. THANH DANG-VU, A. DARSAUD, M. DESSEILLES, G. RAUCHS, M. SCHABUS, V. STERPENICH, G. VANDEWALLE, P. PEIGNEUX and P. MAQUET.
Sleep transforms the cerebral trace of declarative memories.
PNAS, Vol. 104(47), pp. 18778-18783. **Impact Factor: 9,598.**

M. SCHABUS, T.T.DANG-VU, G. ALBOUY, E. BALTEAU, M. BOLY, J. CARRIER, A . DARSAUD, C. DEGUELDRE, M. DESSEILLES, S. GAIS, C. PHILLIPS, G. RAUCHS, C. SCHNAKERS, V. STERPENICH, G. VANDEWALLE, A. LUXEN and P. MAQUET.
Hemodynamic cerebral correlates of sleep spindles during human non-rapid eye movement sleep.
PNAS, Vol. 104(32), pp. 13164-13169. **Impact Factor: 9,958**.

V. STERPENICH, G. ALBOUY, M. BOLY, G. VANDEWALLE, A. DARSAUD, E. BALTEAU, T. THANH DANG-VU, M. DESSEILLES, A.D'ARGEMBEAU, S. GAIS, G. RAUCHS, M. SCHABUS, C. DEGUELDRE, A. LUXEN, F. COLLETTE and P. MAQUET.
Sleep-related hippocampo-cortical interplay during emotional memory recollection
PLOS Biology, Vol. 5 (11), e282, pp.1-14. **Impact factor: 13,501.**

Prof. dr. Yvette Michotte.

K. LANCKMANS, S. SARRE, I. SMOLDERS and Y. MICHOTTE.
Use of a structural analogue versus a stable isotope labeled internal standard for the quantification of angiotensin IV in rat brain dialysates using nano-liquid chromatography/tandem mass spectrometry.
Rapid. Commun. Mass Spectrum, Vol. 21, pp. 1187-1195. **Impact Factor: 3,087**

K. LANCKMANS, B.STRAGIER, S. SARRE, I. SMOLDERS and Y. MICHOTTE.
Nano-LC-MS/MS for the monitoring of angiotensin IV in rat brain microdialysates: Limitations and possibilities.
Journal Sep. Sciences, Vol. 30, pp. 2217-2224. **Impact Factor: 2,632**

B. STRAGIER, H. DEMAEGHT, D. DE BUNDEL, I. SMOLDERS, S. SARRE, G. VAUQUELIN, G. EBINGER, Y. MICHOTTE and P. VANDERHEYDEN.
Involvement of insulin-regulated aminopeptidase and/or aminopeptidase N in the angiotensin IV-induced effect on dopamine release in the striatum of the rat.

Brain Research, Vol. 1131, pp.97-105. **Impact factor: 2,341.**

A. AXÉN, H. ANDERSSON, G. LINDEBERG, H. RÖNNHOLM, J. KORTESMAA, H. DEMAEGDT, G. VAUQUELIN, A. KARLÉN and M. HALLBERG
Small potent ligands to the insulin-regulated aminopeptidase (IRAP)/AT(4) receptor.
J. Pept. Sci. Vol. 13(7):434-444. **Impact factor: 1,768**

Prof. dr. Etienne Olivier

M. DAVARE, M. ANDRES, E. CLERGET, J.-L. THONNARD and E. OLIVIER.
Temporal dissociation between hand shaping and grip force scaling in the anterior intraparietal area.
The Journal of Neuroscience, Vol. 27, nr. 15, pp. 39743980. **Impact Factor: 7,45.**

M. DAVARE, J. DUQUE, Y. VANDERMEEEREN, J.-L. THONNARD and E. OLIVIER.
Role of the ipsilateral primary motor cortex in controlling the timing of hand muscle recruitment.
Cerebral Cortex, Vol. 17, pp. 353-362. **Impact Factor : 6,519.**

M. ANDRES, X. SERON and E. OLIVIER.
Contribution of hand motor circuits to counting.
Journal of Cognitive Neuroscience, Vol. 19, Nr. 4, pp. 1-14. **Impact Factor : 4,997.**

Dr Laurence Ris

B. CAPRON, R. WATTIEZ, C. SINDIC, E. GODAUX and L. RIS.
Tyrosine phosphorylation of rabphilin during long-lasting long-term potentiation.
Neuroscience Letters, Vol. 414, pp. 257-262. **Impact Factor: 2,00.**

K. MIZUMO, A. ANTUNES-MARTINS, M. PETERS, K.P. GIESE, E. GODAUX and L. RIS.
Calcium/calmodulin kinase kinase β has a male-specific role in memory formation.
Neuroscience, Vol. 145, pp. 393-402. **Impact Factor: 3,40.**

E. GODAUX and L. RIS.
Synapse specificity of long-term potentiation breaks down with aging.
Learning and Memory, Vol. 14, pp. 185-189. **Impact Factor: 4,00.**

B. CAPRON, C. SCLAVONS, J. F. LIEGEOIS, V. SEUTIN, E. GODAUX and L. RIS.
Metaplastic effect of apamin on LTP and paired-pulse facilitation.
Learning and Memory, Vol. 14, pp. 390-399. **Impact Factor: 4,00.**

I. DEWACHTER, R.K.FILIPKOWSKI, C. PRILLER, J. NEYTON, S. CROES, D. TERWEL, M. GYSEMANS, H. DEVIJVER, P. BORGHGRAEF, L. KACZMAREK, J. HERMS, F. VAN LEUVEN, E. GODAUX and L. RIS.
Deregulation of NMDA-receptor function and down-stream signaling in APP{V717I} transgenic mice.
Neurobiology of Aging, **IN PRESS**, **Impact Factor: 5,50.**

I. DEWACHTER, S. CROES, P. BORGHGRAEF, H. DEVIJVER, T. VOETS, B. NILIUS, F. VAN LEUVEN, E. GODAUX and L. RIS.
Modulation of synaptic plasticity and tau phosphorylation by wild-type and mutant presenilin1
Neurobiology of Aging**, IN PRESS, Impact Factor: 5,50.**

M. GENLAIN, E. GODAUX and L. RIS.
Involvement of hyperpolarization-activated cation channels in synaptic modulation.
NeuroReport, Vol. 18, pp. 1231-1235. **Impact Factor: 2,60.**