

PUBLICATIONS DES ÉQUIPES DE RECHERCHE

UCL

Prof. André Goffinet

UGent

Prof. Frans Van Roy

ULB

*Prof. Marc Parmentier, Prof. Serge Schiffmann
en Prof. Pierre Vanderhaeghen.*

ULg

Prof. Pierre Maquet, Prof. Gustave Moonen

UMons

Dr. Laurence Ris

VUB

Prof. Yvette MICHOTTE

SUBVENTIONNÉES AVEC DES CRÉDITS DE LA
FONDATION MÉDICALE REINE ELISABETH

2010

VOLUME II

Université Catholique de Louvain

Prof. Dr. André GOFFINET

ZHOU L., GALL D., QU Y., PRIGOGINE C., CHERON G., TISSIR F., SCHIFFMANN S.N. and GOFFINET A. M.
Maturation of “ Neocortex Islolé ” *in vivo* in Mice.
 The Journal of Neuroscience, Vol. 30, Nr. 23, pp. 7928-7939. **Impact factor: 7,200.**

QU Y., GLASCO M. DERRICK, ZHOU L., SAWANT A., RAVNI A., FRITZSCH B., DAMRAU C., MURDOCH N.
 JENNIFER, EVANS S., PFAFF L. SAMUEL, FORMSTONE C., GOFFINET A.M., CHANDRASEKAR A; and
 TISSIR FADEL.

Atypical cadherins Celsr1-3 differentially regulate migration of facial branchiomotor neurons in mice.

The Journal of Neuroscience, Vol. 30, Nr. 28, pp. 9392-9401. **Impact factor: 7,200.**

TISSIR F., QU Y., MONTCOUQUIOL M., ZHOU L., KOMATSU K., SHI D., FUJIMORI T., LABEAU J., TYTECA
 D., COURTOY P., POUMAY Y., UEMURA T. And GOFFINET A.M.

Lack of cadherins Celsr2 and Celsr3 impairs ependymal ciliogenesis, leading to fatal hydrocephalus.

Nature Neuroscience, Vol. 13, Nr. 6, pp. 700-708. **Impact Factor: 14,200.**

Univeristeit Gent

Prof. Dr. Frans VAN ROY

VANDEPOELE K., STAES K., ANDRIES V. and VAN ROY F.

Chibby interacts with NBPF1 and clusterin, two candidate tumor suppressors linked to neuroblastoma.

Exp. Cell. Res., Vol. 316, pp. 1225-1233. **Impact Factor: 3,950.**

Université Libre de Bruxelles

Prof. Dr. Marc PARMENTIER

MOHAMMED M., SAFHI A., RUTHERFORD C., LEDENT C., SANDS A. W; and PALMER M. T.

Priming of signal transducer and activator of transcription proteins for cytokine-triggered polyubiquitylation and degradation by the A_{2A} Adenosine receptor.

Molecular pharmacology, Vol. 77, Nr. 6, pp. 968-978. **Impact factor: 4,711.**

Prof. Dr. Serge N. SCHIFFMANN

ZHOU L., GALL D., QU Y., PRIGOGINE C., CHERON G., TISSIR F., GOFFINET A. M. and SCHIFFMANN S.N.

Maturation of “ Neocortex Islolé ” *in vivo* in Mice

The Journal of Neuroscience, Vol. 30, Nr. 23, pp. 7928-7939. **Impact factor: 7,200.**

Prof. Dr. Pierre VANDERHAEGHEN

VANDERHAEGHEN PIERRE. and HWAI-JONG CHENG.

Guidance molecules in axon pruning and cell death.

Cold Spring Harbor laboratory, Vol. 2, Nr.6, a001859, pp. 1-18. **Impact factor: 5,300.**

NICOLAS GASPARD and PIERRE VANDERHAEGHEN.

Mechanisms of neural specification from embryonic stem cells.

Current Opinion in Neurobiology, Vol. 20, pp. 37-43. **Impact Factor:8,500.**

Université de Liège**Prof. Dr. Pierre MAQUET**

MAQUET PIERRE

Understanding non rapid eye movement sleep through neuroimaging

The World of Biological Psychiatry, Vol. 11, Nr. S1, pp. 9-15. **Impact Factor: 2,048.**

SCHMIDT C., PEIGNEUX P., MAQUET P. and PHILIPS C.

Response to comment on “ Homeostatic sleep pressure and responses to sustained attention in the suprachiasmatic area “

Science, MS nr. TR1177949/CJH, pp. 1-2. **Impact factor: 31,377.**

DANG-VU T.T., SCHABUS M., DESSELLLES M., STERNENICH V., BOJEAN M. and MAQUET P.

Functional neuroimaging insights into the physiology of human sleep

Sleep, Vol. 33, Nr. 12, pp. 1589-1603. **Impact factor: 5,486.**

PHILLIPS C., BRUNO M-A. , MAQUET P., BOLY M., NOIRHOMME Q., SCHAKERS C., VANHAUDENHUYSE A., BONJEAN M., HUSTINX R., MOONEN G., LUXEN A. and LAUREYS S.

“ Relevance vector machine “ consciousness classifier applied to cerebral metabolism of vegetative and locked-in patients.

NeuroImage, Article in press, pp. 1-12. **Impact Factor: 5,973.**

VANDEWALLE G., SCHWARTZ S., GRANDJEAN D., WUILLAUME C., BALTEAU E. , DEGUELDRE C., SCHABUS M., PHILLIPS C., LUXEN A. DIJK D.J. and MAQUET P.

Spectral quality of light modulates emotional brain responses in humans.

PNAS, Early Edition, pp. 1-6. **Impact Factor: 9,771.**

Prof. Dr. Gustave MOONEN

CLOSE P., CREPPE C., GILLARD M., LADANG A., CHAPPELLE J.-P., NGUYEN L. and CHARLOT A.

The emerging role of lysine acetylation of non-nuclear proteins

Cellular and Molecular Life Sciences, Vol. 67, pp. 1255-1264. **Impact Factor : 6,090.**

HUMBERT S., SAUDOU F., CHARLOT A. and NGUYEN L.

Elongator – an emerging role in neurological disorders.

Trends in Molecular Medicine, Vol. 16, Nr. 1, pp. 1-6. **Impact Factor : 11,049.**

HENG IK-TSEN J., CHARLOT A. and NGUYEN L.

Molecular layers underlying cytoskeletal remodelling during cortical development.

Trends in Neurosciences, Vol. 33, nr. 1, pp. 38-47. **Impact Factor : 12,794.**

CREPPE C., MALINOUSKAYA L., VOLVERT M.-L., CLOSE P., LAGUESSE S., GILLARD M., CHARIOT M. and NGUYEN L.

Elongator orchestre la neurogenèse du cortex cérébral.

Médecine sciences, Vol. 26, nr. 2, pp. 44-46.

Université Mons

Dr. Laurence RIS

VILLERS A., GODAUX E. and RIS LAURENCE.

Late phase of L-LTP elicited in isolated CA1 dendrites cannot be transferred by synaptic capture

Learning and memory-Neuro Report, Vol. 21, nr. 3, pp. 210-215. **Impact factor: 1,904.**

Vrije Universiteit Brussel

Prof. dr. Yvette MICHOTTE

DE BUNDEL D., DEMAEGDT H., LAHOUTTE T., CAVELIERS V., KERSEMANS K., CEULEMANS A.-G., VAUUELIN G., CLINCKERS R., VANDERHEYDEN P., SMOLDERS I and MICHOTTE Y.

Involvement of the AT₁ receptor subtype in the effects of angiotensin IV and LVV-haemorphin 7 on hippocampal neurotransmitter levels and spatial working memory.

Journal of Neurochemistry,, Vol. 112, pp. 1223-1234. **Impact Factor: 3,999.**

DE BUNDEL D., AOURZ N., KIAGIADAKI F., CLINCKERS R., HOYER D., KASTELLAKIS A., THERMOS K., SMOLDERS I. and MICHOTTE Y.

Hippocampal sst₁ receptors are autoreceptors and do not affect seizures in rats.

Cellular, Molecular and developmental neuroscience, NeuroReport, Vol. 21 nr. 4, pp. 254-258.

Impact Factor: 1,805..