PUBLICATIONS OF THE RESEARCH GROUPS OF

UGent

Prof. dr. Frans Van Roy

ULB

Prof. dr. Eric Bellefroid, Prof. dr. Serge N. Schiffmann
Dr. Pierre Vanderhaeghen.

ULg

Prof. dr. Pierre Maquet.
Dr. Laurent Nguyen

VUB

Prof. Yvette Michotte, Prof. dr. Ilse Smolders

SUPPORTED BY GRANTS FROM THE

QUEEN ELISABETH MEDICAL FOUNDATION

2012

VOLUME II

Universiteit Gent

(UGent)

Prof. dr. Frans VAN ROY

PIETERS TIM., VAN HENGEL JOLANDA., and VAN ROY FRANS.
Functions of p120ctn in development and disease.
***Front. Bioscience*,** Vol**.** 17, pp. 760-783. **Impact Factor: 3.520**.

PIETERS TIM., VAN ROY FRANS., and VAN HENGEL JOLANDA.
Functions of p120ctn isoforms in cell-cell adhesion and intracellular signaling.
***Front. Bioscience*,** Vol**.** 17, pp. 1669-1694. **Impact Factor: 3.520.**

PIETERS TIM, HAENEBALCKE LIEVEN, HOCHEPIED TINO, D'HONT JINKE., HAIGH JODY.J., VAN ROY FRANS, and VAN HENGEL JOLANDA.
Efficient and user-friendly pluripotin-based derivation of mouse embryonic stem cells.
***Stem Cell Review and Rep*.** Vol. 8, pp.768-778. **Impact Factor: 3.740**

ANDRIES VANESSA, VANDEPOELE KARL and VAN ROY FRANS
The NBPF Gene Family.
In Neuroblastoma - Present and Future. H. Shimada, editor. InTech, Rijeka, Croatia. pp.185-214 (book chapter, **no impact-factor).**

TIAN HUIYU, SANDERS ELLEN, REYNOLDS ALBERT, VAN ROY FRANS and VAN HENGEL JOLANDA.
Ocular anterior segment dysgenesis upon ablation of p120 catenin in neural crest cells.
***Investigative Ophthalmology Visual Science*,** Vol**.** 53, pp. 5139-5153. **Impact Factor: 3.470**.

Université Libre de Bruxelles

(ULB)

Prof. dr. Eric J. BELLEFROID

AMANDINE SAULNIER, MARC KERUZORE, SARAH DE CLERCQ, ISABELLE BAR, VIRGINIE MOERS, TESSA WALCHER, CAROL FILIPPIS, SADIA KIRCHA, DAMIEN PARLIER, LAURÈNE VIVIANI, CLINTON K. MATSON, YASUSHI NAKAGAWA, THOMAS THEIL, MAGDALENA GÖTZ, ANTONELLO MALLAMACI, JEAN-CHRISTOPHE MARINE, DAVID ZARKOWER and ERIC J. BELLEFROID
The doublesex homolog *Dmrt5* is required for the development of the caudomedial cerbral cortex in mammals
Cerebral Cortex Advance Access, 23 august 2012, pp. 1-16. **Impact Factor: 6,544**

Prof. dr. Serge N. SCHIFFMANN

BISCHOP P., D. ORDUZ, L. LAMBOT, S.N. SCHIFFMANN, D. GALL:
Control of neuronal excitability by calcium binding proteins: a new mathematical model for striatal fast-spiking interneurons.
Frontiers in Molecular Neuroscience, Vol. 5, art. 78, pp. 1-9. **Impact Factor**: **unknown**.

DURIEUX P.F., S.N. SCHIFFMANN, A. de KERCHOVE d'EXAERDE :
Differential regulation of motor control and response to dopaminergic drugs by D1R and D2R neurons in distinct dorsal striatum subregions.
The European Molecular Biology Organization (EMBO)Journal, *Vol.* 31, Nr. 3, pp. 640-653.
Impact Factor: **9,822.**

Dr. Pierre VANDERHAEGHEN

CHARRIER, S., JOHSI, K., COUINTHO-BUDD, KIM, J., LAMBERT, N., DE MARCHENA POWELL, J., JIN, W., **VANDERHAEGHEN, P.,** GHOSH, A., SASSA, T., AND POLLEUX, F.
Inhibition of SRGAP2 function by its human-specific paralogs induces neoteny of spine maturation.
Cell, *Vo*l. 149, pp. 923-935. **Impact factor: 34.3**

VAN DEN AMEELE J, TIBERI L, BONDUE A, PAULISSEN C, HERPOEL A, IACOVINO M, KYBA M, BLANPAIN C, and **VANDERHAEGHEN P.**
Eomesodermin induces Mesp1 expression and cardiac differentiation from embryonic stem cells in the absence of Activin.
European Molecular Biology Organization (EMBO) Report, Vol. 13, pp. 355-362. **Impact Factor 7.4**

PIETRI S, DIMIDSCHSTEIN J, TIBERI L, SOTIROPOULOU PA, BILHEU A, GOFFINET A, ACHOURI Y, TISSIR F, BLANPAIN C, JACQUEMIN P, **VANDERHAEGHEN P**.
Transcriptional Mechanisms of EphA7 Gene Expression in the Developing Cerebral Cortex.
Cerebral Cortex, Vol. 22, pp. 1678-1689. **Impact Factor 7.400.**

SEIBT J, ARMANT O, LE DIGARCHER A, CASTRO D, RAMESH V, JOURNOT L, GUILLEMOT F, **VANDERHAEGHEN P**, BOUSCHET T.
Expression at the imprinted dlk1-gtl2 locus is regulated by proneural genes in the developing telencephalon.
PLoS One; Vol. 7, Nr. 11,: e48675. doi: 10.1371/journal.pone.0048675. **Impact Factor 4.200.**

LUCA TIBERI, JELLE VAN DEN AMEELE, JORDANE DIMIDSCHSTEIN, JLIE PICCRILLI, DAVID GALL, ADELE HERPOEL, ANGELINE BILHEU, JEROME BONNEFONT, MICHELINA LACOVINO, MICHAEL KYBA, TRISTAN BOUSCHET and **PIERRE VANDERHAEGHEN**
BCL6 controls neurogenesis through Sirt1-dependent epigenetic repression selective Notch targets
Nature Neuroscience, Vol*.15*, pp.1627-1635. **Impact factor: 16.400.**

Université de Liège

(ULg)

Prof. dr. Pierre MAQUET

MEYER C., MUTO V., JASPAR M., KUSSÉ C. , FORET A., MASCETTI L. and MAQUET P.
Neural correlates of human sleep and sleep-dependent memory processing
Sleep and Brain Activity, Chapter 8, pp. 165-168. **Impact Factor: unknown**

MUTO V., SHAFFI LE BOURDIEC A., MATARAZZO L., FORET A., MASCETTI L., JASPAR M., VANDEWALLE G., PHILIPS C., DEGUELDRE C., BALTEAU E., LUXEN A., COLLETTE F and MAQUET P.
Influence of acute sleep loss on the neural correlates of alerting, orientating and executive attention components.
Journal of Sleep Research, Impact Factor: 3.043.

SCHABUS M., DANG-VU TR., HEIB D., BOLY M.,DESSEILLES M., VANDEWALLE G., SCHMIDT C., ALBOUY G., DARSAUD A., GAIS S., DEGUELDRE C., BALTEAU E., PHLIPS C., LUXEN A. and MAQUET P.
The fate of incoming stimuli during NREM sleep is determined by spindles and the phase of the slow oscillation
Frontiers in Neurology, Vol. 3, pp. 1-11. **Impact Factor**: unknown.

ALBOUY G., STERPENICH V., VANDEWALLE G., DARSAUD A., GAIS S., RAUCH G., DESSEILLES M., BOLY M., DANG-VU T., BALTEAU E., DEGUELDRE C., PHILLIPS C., LUXEN A. and MAQUET P.
Neural correlates of performance variability during motor sequence acquisition
NeuroImage, Vol. 60, pp. 324-331.**Impact Factor 6.252.**

SCHROUFF J., KUSSÉ C., WEHENKEL L., MAQUET P. and PHILIPS C.
Decoding spontaneous brain activity from fMRI using Gaussian processes: tracking brain reactivation.
2012 Second International Workshop on pattern Recognition in NeuroImage.
Workshop paper, DOI.10.1109/PRNI.2012.19. Impact Factor: unknown.

Dr. Laurent NGUYEN and Dr Brigitte MALGRANGE

GODIN, J., THOMAS, N., LAGUESSE, S., MALINOUSKAYA, L., CLOSE, P., MALAISE, PURNELLE,A.,RAINETEAUO., CAMPBELL, K., FERO, M., MOONEN, G., MALGRANGE, B., CHARIOT, A., METIN, C, BESSON, A. and **NGUYEN L.**
$p27^{Kip1}$ is a microtubule-associated protein that promotes microtubule polymerization during neuron migration.
Developmental Cell, Vol. 23, pp. 729-44. **Impact Factor: 12.861**

VOLVERT, M.-L.., ROGISTER, F., MOONEN, G., MALGRANGE, B. and **NGUYEN, L**.
MicroRNAs tune cerebral cortical neurogenesis
Cell Death and Differentiation, Vol. 19, pp. 1573-81. **Impact Factor: 8.371.**

BEUKELAERS, P., VANDENBOSCH, R., CARON, N., **NGUYEN, L**., BELACHEW, S., MOONEN, G. and MALGRANGE, B.
Cycling or not cycling in the adult brain: Cell cycle regulatory molecules and adult neurogenesis.
Cellular and Molecular Life Sciences, Vol. 69, pp. 1493-503. **Impact Factor: 5.61.**

Vrije Universiteit Brussel (VUB)

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

LOYENS, K. VERMOESEN, A. SCHALLIER, **Y. MICHOTTE, I. SMOLDERS**.
Proconvulsive effects of oxytocin in the generalized pentylenetetrazol mouse model are mediated by vasopressin 1a receptors.
Brain Research, Vol. 1436, pp. 45-50. **Impact Factor: 2.879.**
LOYENS E, DE BUNDEL D, DEMAEGDT H, CHAI SY, VANDERHEYDEN P, MICHOTTE Y, GARD P, **SMOLDERS I.**
Antidepressant-like effects of oxytocin in mice are dependent on the presence of insulin-regulated aminopeptidase
International Journal of Neuropsychopharmacology, Vol. 16, pp. 1153-1163.
Impact Factor = 5.641.