

**2013**

Massart C, Giusti N, Beauwens R, Dumont JE, Miot F, Sande JV. Diphenyleiodonium, an inhibitor of NOXes and DUOXes, is also an iodide-specific transporter. *FEBS Open Bio*. 2013 Dec 7;4:55-9. doi: 10.1016/j.fob.2013.11.007. PMID: 24371722

Antoniou A, Hébrant A, Dom G, Dumont JE, Maenhaut C. Cancer stem cells, a fuzzy evolving concept: A cell population or a cell property? *Cell Cycle*. 2013 Dec 15;12(24):3743-3748. Epub 2013 Nov 22. Review. PMID:24270846

Michalakis N, Keyzer C, De Maertelaer V, Tack D, Gevenois PA. Reduced z-axis coverage in multidetector-row CT pulmonary angiography decreases radiation dose and diagnostic accuracy of alternative diseases. *Br J Radiol*. 2014 Jan;87(1033):20130546. doi: 10.1259/bjr.20130546. Epub 2013 Nov 20. PMID: 24258464

Deken XD, Corvilain B, Dumont JE, Miot F. Roles of DUOX-Mediated Hydrogen Peroxide in Metabolism, Host Defense, and Signaling. *Antioxid Redox Signal*. 2013 Oct 25. [Epub ahead of print] PMID:24161126

Mustata RC, Vasile G, Fernandez-Vallone V, Strollo S, Lefort A, Libert F, Monteyne D, Pérez-Morga D, Vassart G, Garcia MI. Identification of Lgr5-independent spheroid-generating progenitors of the mouse fetal intestinal epithelium. *Cell Rep*. 2013 Oct 31;5(2):421-32. doi: 10.1016/j.celrep.2013.09.005. Epub 2013 Oct 17. PMID: 24139799

Beck B, Blanpain C. *Nat Rev Cancer*. 2013 Oct;13(10):727-38. doi: 10.1038/nrc3597. PMID: 24060864

Elong Edimo W, Schurmans S, Roger PP, Erneux C. SHIP2 signaling in normal and pathological situations: Its impact on cell proliferation. *Adv Biol Regul*. 2013 Sep 15. pii: S2212-4926(13)00066-3. doi: 10.1016/j.jbior.2013.09.002. [Epub ahead of print] PMID: 24091101

Dimidschstein J, Passante L, Dufour A, van den Aemele J, Tiberi L, Hrechdakian T, Adams R, Klein R, Lie DC, Jossin Y, Vanderhaeghen P. Ephrin-B1 controls the columnar distribution of cortical pyramidal neurons by restricting their tangential migration. *Neuron*. 2013 Sep 18;79(6):1123-35. doi: 10.1016/j.neuron.2013.07.015. PMID: 24050402

Blanpain C, Simons BD. *Nat Rev Mol Cell Biol*. 2013 Aug;14(8):489-502. doi: 10.1038/nrm3625. Epub 2013 Jul 17. Review. PMID: 23860235

Tarabichi M, Antoniou A, Saiselet M, Pita JM, Andry G, Dumont JE, Detours V, Maenhaut C. Systems biology of cancer: entropy, disorder, and selection-driven evolution to independence, invasion and "swarm intelligence". *Cancer Metastasis Rev*. 2013 Dec;32(3-4):403-21. doi: 10.1007/s10555-013-9431-y. PMID: 23615877

Demeestere I, Brice P, Peccatori FA, Kentos A, Gaillard I, Zachee P, Casasnovas O, Van Den Neste E, Dechene J, De Maertelaer V, Bron D, Englert Y. Reply to Z. Blumenfeld et al. *J Clin Oncol*. 2013 Oct 10;31(29):3722-3. doi: 10.1200/JCO.2013.50.7129. Epub 2013 Sep 3. No abstract available. PMID: 24002513

Tack D, Jahnen A, Kohler S, Harpes N, De Maertelaer V, Back C, Gevenois PA. Multidetector CT

radiation dose optimisation in adults: short- and long-term effects of a clinical audit. *Eur Radiol*. 2014 Jan;24(1):169-75. doi: 10.1007/s00330-013-2994-8. Epub 2013 Aug 29.

PMID: 23990004

Erneux C, Elong Edimo W. When worlds collide: inositol pyrophosphates and phosphoinositides intersect at the plasma membrane. *Biochem J*. 2013 Aug 1;453(3):e3-4. doi: 10.1042/BJ20130785. PMID: 23849059

D'Amico E, Gayral S, Massart C, Van Sande J, Reiter JF, Dumont JE, Robaye B, Schurmans S. Thyroid-specific inactivation of KIF3A alters the TSH signaling pathway and leads to hypothyroidism. *J Mol Endocrinol*. 2013 Apr 23;50(3):375-87. doi: 10.1530/JME-12-0219. Print 2013 Jun. PMID: 23511952

Bisteau X, Paternot S, Colleoni B, Ecker K, Coulonval K, De Groote P, Declercq W, Hengst L, Roger PP. CDK4 T172 phosphorylation is central in a CDK7-dependent bidirectional CDK4/CDK2 interplay mediated by p21 phosphorylation at the restriction point. *PLoS Genet*. 2013 May;9(5):e1003546. doi: 10.1371/journal.pgen.1003546. Epub 2013 May 30. PMID: 23737759

Brassart N, Winant C, Tack D, Gevenois PA, De Maertelaer V, Keyzer C. Optimised z-axis coverage at multidetector-row CT in adults suspected of acute appendicitis. *Br J Radiol*. 2013 Aug;86(1028):20130115. doi: 10.1259/bjr.20130115. Epub 2013 May 20. PMID: 23690436

Dom G, Galdo VC, Tarabichi M, Tomás G, Hébrant A, Andry G, De Martelar V, Libert F, Leteurre E, Dumont JE, Maenhaut C, van Staveren WC. 5-aza-2'-deoxycytidine has minor effects on differentiation in human thyroid cancer cell lines, but modulates genes that are involved in adaptation in vitro. *Thyroid*. 2013 Mar;23(3):317-28. doi: 10.1089/thy.2012.0388. PMID: 23167291

Crenier L, Abou-Elias C, Corvilain B. Glucose Variability Assessed by Low Blood Glucose Index Is Predictive of Hypoglycemic Events in Patients With Type 1 Diabetes Switched to Pump Therapy. *Diabetes Care*. 2013 Feb 12. [Epub ahead of print] PubMed PMID: 23404296.

de Poorter C, Baertsoen K, Lannoy V, Parmentier M, Springael JY. Consequences of ChemR23 heteromerization with the chemokine receptors CXCR4 and CCR7. *PLoS One*. 13;8(2):e58075. doi: 10.1371/journal.pone.0058075. Epub 2013 Feb 28. PMID: 23469143

Defourny J, Poirrier AL, Lallemand F, Mateo Sánchez S, Neef J, Vanderhaeghen P, Soriano E, Peuckert C, Kullander K, Fritsch B, Nguyen L, Moonen G, Moser T, Malgrange B. Ephrin-A5/EphA4 signalling controls specific afferent targeting to cochlear hair cells. *Nat Commun*. 2013 Feb 5;4:1438. doi: 10.1038/ncomms2445. PubMed PMID: 23385583.

Espuny-Camacho I, Michelsen KA, Gall D, Linaro D, Hasche A, Bonnefont J, Bali C, Orduz D, Bilheu A, Herpoel A, Lambert N, Gaspard N, Péron S, Schiffmann SN, Giugliano M, Gaillard A, Vanderhaeghen P. Pyramidal neurons derived from human pluripotent stem cells integrate efficiently into mouse brain circuits in vivo. *Neuron*. 2013 Feb 6;77(3):440-56. doi: 10.1016/j.neuron.2012.12.011. PubMed PMID: 23395372.

Elong Edimo W, Vanderwinden JM, Erneux C. SHIP2 signalling at the plasma membrane, in the nucleus and at focal contacts. *Adv Biol Regul*. 2013 Jan; 53(1):28-37. doi: 10.1016/j.jbior.2012.09.003. Epub 2012 Sep 13. PubMed PMID: 23040614.

Fimereli D, Detours V, Konopka T. TriageTools: tools for partitioning and prioritizing analysis

of high-throughput sequencing data. *Nucleic Acids Res.* 2013 Feb 13. [Epub ahead of print] PubMed PMID: [23408855](#).

Heuer RD, Rosenzweig C, Steltzner A, Blanpain C, Iorns E, Wang J, Handelsman J, Gowers T, De Bernardinis B, Fouchier R. 366 days: Nature's 10. *Nature.* 2012 Dec 20; 492(7429):335-43. doi: 10.1038/492335a. Erratum in: *Nature.* 2013 Jan 10; 493(7431):147. PubMed PMID: [23257862](#).

Máthé D, Horváth I, Szigeti K, Donohue SR, Pike VW, Jia Z, Ledent C, Palkovits M, Freund TF, Halldin C, Gulyás B. In vivo SPECT and ex vivo autoradiographic brain imaging of the novel selective CB(1) receptor antagonist radioligand [(125)I]SD7015 in CB(1) knock-out and wildtype mouse. *Brain Res Bull.* 2013 Feb;91:46-51. doi: 10.1016/j.brainresbull.2013.01.001. Epub 2013 Jan 11. PubMed PMID: [23318272](#).

Plaisancié J, Bailleul-Forestier I, Gaston V, Vaysse F, Lacombe D, Holder-Espinasse M, Abramowicz M, Coubes C, Plessis G, Faivre L, Demeer B, Vincent-Delorme C, Dollfus H, Sigaudy S, Guillén-Navarro E, Verloes A, Jonveaux P, Martin-Coignard D, Colin E, Bieth E, Calvas P, Chassaing N. Mutations in WNT10A are frequently involved in oligodontia associated with minor signs of ectodermal dysplasia. *Am J Med Genet A.* 2013 Feb 7. doi: 10.1002/ajmg.a.35747. [Epub ahead of print] PubMed PMID: [23401279](#).

Pouillon V, Maréchal Y, Fripiat C, Erneux C, Schurmans S. Inositol 1,4,5-trisphosphate 3-kinase B (Itpkb) controls survival, proliferation and cytokine production in mouse peripheral T cells. *Adv Biol Regul.* 2013 Jan; 53(1):39-50. doi: 10.1016/j.jbior.2012.08.001. Epub 2012 Sep 5. PubMed PMID: [22981169](#).

Raad H, Eskalli Z, Corvilain B, Miot F, De Deken X. Thyroid hydrogen peroxide production is enhanced by the Th2 cytokines, IL-4 and IL-13, through increased expression of the dual oxidase 2 and its maturation factor DUOXA2. *Free Radic Biol Med.* 2013 Mar; 56:216-25. doi: 10.1016/j.freeradbiomed.2012.09.003. Epub 2012 Sep 23. PubMed PMID: [23010498](#).

Sotiropoulou PA, Karambelas AE, Debaugnies M, Candi A, Bouwman P, Moers V, Revenco T, Rocha AS, Sekiguchi K, Jonkers J, Blanpain C. BRCA1 deficiency in skin epidermis leads to selective loss of hair follicle stem cells and their progeny. *Genes Dev.* 2013 Jan 1;27(1):39-51. doi: 10.1101/gad.206573.112. Epub 2012 Dec 27. PubMed PMID: [23271346](#).

Teng B, Fil D, Tilley SL, Ledent C, Krahn T, Mustafa SJ. Functional and RNA expression profile of adenosine receptor subtypes in mouse mesenteric arteries. *J Cardiovasc Pharmacol.* 2013 Jan;61(1):70-6. doi: 10.1097/FJC.0b013e318278575e. PubMed PMID: 23288107; PubMed Central PMCID: [PMC3539216](#).

van den Berghe V, Stappers E, Vandesande B, Dimidschstein J, Kroes R, Francis A, Conidi A, Lesage F, Dries R, Cazzola S, Berx G, Kessar N, Vanderhaeghen P, van Ijcken W, Grosveld FG, Goossens S, Haigh JJ, Fishell G, Goffinet A, Aerts S, Huylebroeck D, Seuntjens E. Directed migration of cortical interneurons depends on the cell-autonomous action of Sip1. *Neuron.* 2013 Jan 9;77(1):70-82. doi: 10.1016/j.neuron.2012.11.009. PubMed PMID: [23312517](#).

Verhelst J, Velkeniers B, Maiter D, Haentjens P, T'Sjoen G, Rietzschel E, Corvilain B, Abrams P, Nobels F, Abs R, Bex M. Active acromegaly is associated with decreased hs-CRP and NT-proBNP serum levels: insights from the Belgian registry of acromegaly. *Eur J Endocrinol.* 2013 Jan 17;168(2):177-84. doi: 10.1530/EJE-12-0753. Print 2013 Feb. PubMed PMID: [23132698](#).

Wang N, Rumney RM, Yang L, Robaye B, Boeynaems JM, Skerry TM, Gartland A. The P2Y13

receptor regulates extracellular ATP metabolism and the osteogenic response to mechanical loading. *J Bone Miner Res.* 2013 Jan 29. doi: 10.1002/jbmr.1877. [Epub ahead of print] PubMed PMID: 23362109.

Blanpain C. Tracing the cellular origin of cancer. *Nat Cell Biol.* 2013 Feb;15(2):126-34. doi: 10.1038/ncb2657. Epub 2013 Jan 20. Review. PMID:23334500

## 2012

Ayata CK, Ganai SC, Hockenjos B, Willim K, Vieira RP, Grimm M, Robaye B, Boeynaems JM, Di Virgilio F, Pellegatti P, Diefenbach A, Idzko M, Hasselblatt P. Purinergic P2Y<sub>2</sub> receptors promote neutrophil infiltration and hepatocyte death in mice with acute liver injury. *Gastroenterology.* 2012 Dec;143(6):1620-1629.e4. doi: 10.1053/j.gastro.2012.08.049. Epub 2012 Sep 11. PubMed PMID: 22974709.

Antonica F, Kasprzyk DF, Opitz R, Iacovino M, Liao XH, Dumitrescu AM, Refetoff S, Peremans K, Manto M, Kyba M, Costagliola S. Generation of functional thyroid from embryonic stem cells. *Nature.* 2012 Nov 1;491(7422):66-71. doi: 10.1038/nature11525. Epub 2012 Oct 10. PubMed PMID: 23051751.

Bondue B, De Henau O, Luangsay S, Devosse T, de Nadaï P, Springael JY, Parmentier M, Vosters O. The chemerin/ChemR23 system does not affect the pro-inflammatory response of mouse and human macrophages ex vivo. *PLoS One.* 2012;7(6):e40043. doi: 10.1371/journal.pone.0040043. Epub 2012 Jun 29. PubMed PMID: 22768214; PubMed Central PMCID: PMC3386906.

Burniat A, Pirson I, Vilain C, Kulik W, Afink G, Moreno-Reyes R, Corvilain B, Abramowicz M. Iodotyrosine deiodinase defect identified via genome-wide approach. *J Clin Endocrinol Metab.* 2012 Jul;97(7):E1276-83. doi: 10.1210/jc.2011-3314. Epub 2012 Apr 24. PubMed PMID: 22535972.

Bloomekatz J, Grego-Bessa J, Migeotte I, Anderson KV. Pten regulates collective cell migration during specification of the anterior-posterior axis of the mouse embryo. *Dev Biol.* 2012 Apr 15;364(2):192-201. doi: 10.1016/j.ydbio.2012.02.005. Epub 2012 Feb 11. PubMed PMID: 22342906; PubMed Central PMCID: PMC3299915.

Blanpain C. Tracing the cellular origin of cancer. *Nat Cell Biol.* 2012 Dec 23;15(2):126-34. doi: 10.1038/ncb2657. Epub 2013 Jan 20. PubMed PMID: 23334500.

Blanpain C. Cedric Blanpain: the stories stem cells tell. Interview by Caitlin Sedwick. *J Cell Biol.* 2012 Oct 1;199(1):4-5. doi: 10.1083/jcb.1991pi. PubMed PMID: 23027897; PubMed Central PMCID: PMC3461505.

Basel-Vanagaite L, Dallapiccola B, Ramirez-Solis R, Segref A, Thiele H, Edwards A, Arends MJ, Miró X, White JK, Désir J, Abramowicz M, Dentici ML, Lepri F, Hofmann K, Har-Zahav A, Ryder E, Karp NA, Estabel J, Gerdin AK, Podrini C, Ingham NJ, Altmüller J, Nürnberg G, Frommolt P, Abdelhak S, Pasmanik-Chor M, Konen O, Kelley RI, Shohat M, Nürnberg P, Flint J, Steel KP, Hoppe T, Kubisch C, Adams DJ, Borck G. Deficiency for the ubiquitin ligase UBE3B in a blepharophimosis-ptosis-intellectual-disability syndrome. *Am J Hum Genet.* 2012 Dec 7;91(6):998-1010. doi: 10.1016/j.ajhg.2012.10.011. Epub 2012 Nov 29. PubMed PMID: 23200864; PubMed Central PMCID: PMC3516591.

Beck B, Blanpain C. Mechanisms regulating epidermal stem cells. *EMBO J.* 2012 Mar 20;31(9):2067-75. doi: 10.1038/emboj.2012.67. Review. PubMed PMID: 22433839; PubMed Central PMCID: [PMC3343465](#).

Christophe-Hobertus C, Lefort A, Libert F, Christophe D. Functional inactivation of thyroid transcription factor-1 in PCCl3 thyroid cells. *Mol Cell Endocrinol.* 2012 Jul 6;358(1):36-45. doi: 10.1016/j.mce.2012.02.013. Epub 2012 Feb 19. PubMed PMID: [22370158](#).

Chung S, Liao XH, Di Cosmo C, Van Sande J, Wang Z, Refetoff S, Civelli O. Disruption of the melanin-concentrating hormone receptor 1 (MCH1R) affects thyroid function. *Endocrinology.* 2012 Dec;153(12):6145-54. doi: 10.1210/en.2011-1435. Epub 2012 Sep 28. PubMed PMID: 23024261; PubMed Central PMCID: [PMC3512057](#).

Coletta A, Molter C, Duqué R, Steenhoff D, Taminau J, de Schaetzen V, Meganck S, Lazar C, Venet D, Detours V, Nowé A, Bersini H, Weiss Solís DY. InSilico DB genomic datasets hub: an efficient starting point for analyzing genome-wide studies in GenePattern, Integrative Genomics Viewer, and R/Bioconductor. *Genome Biol.* 2012 Nov 18;13(11):R104. [Epub ahead of print] PubMed PMID: 23158523; PubMed Central PMCID: [PMC3580496](#).

Dom G, Chico Galdo V, Tarabichi M, Tomás G, Hébrant A, Andry G, De Martelaer V, Libert F, Leteurtre E, Dumont JE, Maenhaut C, van Staveren W. 5-aza-2'-deoxycytidine has minor effects on differentiation in human thyroid cancer cell lines but modulates genes that are involved in adaptation in vitro. *Thyroid.* 2012 Nov 20. [Epub ahead of print] PubMed PMID: [23167291](#).

Dom G, Tarabichi M, Unger K, Thomas G, Oczko-Wojciechowska M, Bogdanova T, Jarzab B, Dumont JE, Detours V, Maenhaut C. A gene expression signature distinguishes normal tissues of sporadic and radiation-induced papillary thyroid carcinomas. *Br J Cancer.* 2012 Sep 4;107(6):994-1000. doi: 10.1038/bjc.2012.302. Epub 2012 Jul 24. PubMed PMID: 22828612; PubMed Central PMCID: [PMC3464765](#).

Damiano S, Fusco R, Morano A, De Mizio M, Paternò R, De Rosa A, Spinelli R, Amente S, Frunzio R, Mondola P, Miot F, Laccetti P, Santillo M, Avvedimento EV. Reactive oxygen species regulate the levels of dual oxidase (Duox1-2) in human neuroblastoma cells. *PLoS One.* 2012;7(4):e34405. doi: 10.1371/journal.pone.0034405. Epub 2012 Apr 16. PubMed PMID: 22523549; PubMedCentral PMCID: [PMC3327694](#).

Désir J, Coppieters F, Van Regemorter N, De Baere E, Abramowicz M, Cordonnier M. TMEM126A mutation in a Moroccan family with autosomal recessive optic atrophy. *Mol Vis.* 2012;18:1849-57. Epub 2012 Jul 5. PubMed PMID: 22815638; PubMed Central PMCID: [PMC3398502](#).

Désir J, Cassart M, Donner C, Coucke P, Abramowicz M, Mortier G. Spondyloperipheral dysplasia as the mosaic form of platyspondylic lethal skeletal dysplasia torrance type in mother and fetus with the same COL2A1 mutation. *Am J Med Genet A.* 2012 Aug; 158A(8):1948-52. doi: 10.1002/ajmg.a.35301. Epub 2012 Apr11. PubMed PMID: [22495950](#).

Drielsma A, Jalas C, Simonis N, Désir J, Simanovsky N, Pirson I, Elpeleg O, Abramowicz M, Edvardson S. Two novel CCDC88C mutations confirm the role of DAPLE in autosomal recessive congenital hydrocephalus. *J Med Genet.* 2012 Nov;49(11):708-12. doi: 10.1136/jmedgenet-2012-101190. Epub 2012 Oct 5. PubMed PMID: [23042809](#).

Dubois E, Jacoby M, Blockmans M, Pernot E, Schiffmann SN, Foukas LC, Henquin JC, Vanhaesebroeck B, Erneux C, Schurmans S. Developmental defects and rescue from glucose

intolerance of a catalytically-inactive novel Ship2 mutant mouse. *Cell Signal*. 2012 Nov;24(11):1971-80. doi: 10.1016/j.cellsig.2012.06.012. Epub 2012 Jun 30. PubMed PMID: [22750293](#).

Edimo WE, Janssens V, Waelkens E, Erneux C. Reversible Ser/Thr SHIP phosphorylation: a new paradigm in phosphoinositide signalling?: Targeting of SHIP1/2 phosphatases may be controlled by phosphorylation on Ser and Thr residues. *Bioessays*. 2012 Aug;34(8):634-42. doi: 10.1002/bies.201100195. Epub 2012 May 29. PubMed PMID: [22641604](#).

Ferreira LM, Hebrant A, Dumont JE. Metabolic reprogramming of the tumor. *Oncogene*. 2012 Sep 6;31(36):3999-4011. doi: 10.1038/onc.2011.576. Epub 2012 Jan 9. Review. PubMed PMID: [22231450](#).

Floor SL, Dumont JE, Maenhaut C, Raspe E. Hallmarks of cancer: of all cancer cells, all the time? *Trends Mol Med*. 2012 Sep;18(9):509-15. doi: 10.1016/j.molmed.2012.06.005. Epub 2012 Jul 13. PubMed PMID: [22795735](#).

Grasberger H, De Deken X, Mayo OB, Raad H, Weiss M, Liao XH, Refetoff S. Mice deficient in dual oxidase maturation factors are severely hypothyroid. *Mol Endocrinol*. 2012 Mar;26(3):481-92. doi: 10.1210/me.2011-1320. Epub 2012 Feb 2. PubMed PMID: 22301785; PubMed Central PMCID: [PMC3286189](#).

Genin A, Desir J, Lambert N, Biervliet M, Van Der Aa N, Pierquin G, Killian A, Tosi M, Urbina M, Lefort A, Libert F, Pirson I, Abramowicz M. Kinetochore KMN network gene *CASC5* mutated in primary microcephaly. *Hum Mol Genet*. 2012 Dec 15;21(24):5306-17. doi: 10.1093/hmg/dd3386. Epub 2012 Sep 13. PubMed PMID: [22983954](#).

Hébrant A, Dom G, Dewaele M, Andry G, Trésallet C, Leteurtre E, Dumont JE, Maenhaut C. mRNA expression in papillary and anaplastic thyroid carcinoma: molecular anatomy of a killing switch. *PLoS One*. 2012;7(10):e37807. doi: 10.1371/journal.pone.0037807. Epub 2012 Oct 24. PubMed PMID: 23115614; PubMed Central PMCID: [PMC3480355](#).

Hoste C, Dumont JE, Miot F, De Deken X. The type of DUOX-dependent ROS production is dictated by defined sequences in DUOXA. *Exp Cell Res*. 2012 Nov 1;318(18):2353-64. doi: 10.1016/j.yexcr.2012.07.007. Epub 2012 Jul 16. PubMed PMID: [22814254](#).

Hua X, Chason KD, Jania C, Acosta T, Ledent C, Tilley SL. Gs-coupled adenosine receptors differentially limit antigen-induced mast cell activation. *J Pharmacol Exp Ther*. 2013 Feb;344(2):426-35. doi: 10.1124/jpet.112.198978. Epub 2012 Nov 13. PubMed PMID: 23149337; PubMed Central PMCID: [PMC3558828](#).

Hua X, Naselsky WC, Bennett WD, Ledent C, Senior BA, Tilley SL. Adenosine increases nasal mucociliary clearance rate in mice through A(2A) and A(2B) adenosine receptors. *Laryngoscope*. 2013 Feb;123(2):306-10. doi: 10.1002/lary.23586. Epub 2012 Sep 10. PubMed PMID: [22965898](#).

Horckmans M, Robaye B, Léon-Gómez E, Lantz N, Unger P, Dol-Gleizes F, Clouet S, Cammarata D, Schaeffer P, Savi P, Gachet C, Balligand JL, Dessy C, Boeynaems JM, Communi D. P2Y(4) nucleotide receptor: a novel actor in post-natal cardiac development. *Angiogenesis*. 2012 Sep;15(3):349-60. doi: 10.1007/s10456-012-9265-1. Epub 2012 Mar 22. PubMed PMID: [22437266](#).

Horckmans M, Léon-Gómez E, Robaye B, Balligand JL, Boeynaems JM, Dessy C, Communi D.

Gene deletion of P2Y4 receptor lowers exercise capacity and reduces myocardial hypertrophy with swimming exercise. *Am J Physiol Heart Circ Physiol*. 2012 Oct 1;303(7):H835-43. doi: 10.1152/ajpheart.00256.2012. Epub 2012 Aug 3. PubMed PMID: **22865387**.

Hoofd C, Devreker F, Deneubourg L, Deleu S, Nguyen TM, Sermon K, Englert Y, Erneux C. A specific increase in inositol 1,4,5-trisphosphate 3-kinase B expression upon differentiation of human embryonic stem cells. *Cell Signal*. 2012 Jul;24(7):1461-70. doi: 10.1016/j.cellsig.2012.03.006. Epub 2012 Mar 13. PubMed PMID: **22446005**.a

Hoste C, Dumont JE, Miot F, De Deken X. The type of DUOX-dependent ROS production is dictated by defined sequences in DUOXA. *Exp Cell Res*. 2012 Nov 1;318(18):2353-64. doi: 10.1016/j.yexcr.2012.07.007. Epub 2012 Jul 16. PubMed PMID: **22814254**.

Juvenal G, Christophe D, Roger P, Pisarev M. Thyroid Function and Growth Regulation under Normal and Abnormal Conditions. *J Thyroid Res*. 2011; 2011:805036. doi: 10.4061/2011/805036. Epub 2012 Apr 12. PubMed PMID: 22570806; PubMed Central PMCID: **PMC3337624**.

Langer I. Mechanisms involved in VPAC receptors activation and regulation: lessons from pharmacological and mutagenesis studies. *Front Endocrinol (Lausanne)*. 2012;3:129. doi: 10.3389/fendo.2012.00129. Epub 2012 Oct 30. PubMed PMID: 23115557; PubMed Central PMCID: **PMC3483716**.

Liao Y, Bin J, Luo T, Zhao H, Ledent C, Asakura M, Xu D, Takashima S, Kitakaze M. CB1 cannabinoid receptor deficiency promotes cardiac remodeling induced by pressure overload in mice. *Int J Cardiol*. 2012 May 30. [Epub ahead of print] PubMed PMID: **22656047**.

Lapouge G, Beck B, Nassar D, Dubois C, Dekoninck S, Blanpain C. Skin squamous cell carcinoma propagating cells increase with tumour progression and invasiveness. *EMBO J*. 2012 Dec 12;31(24):4563-75. doi: 10.1038/emboj.2012.312. Epub 2012 Nov 27. PubMed PMID: 23188079; PubMed Central PMCID: **PMC3545290**.

Lu CP, Polak L, Rocha AS, Pasolli HA, Chen SC, Sharma N, Blanpain C, Fuchs E. Identification of stem cell populations in sweat glands and ducts reveals roles in homeostasis and wound repair. *Cell*. 2012 Jul 6;150(1):136-50. doi: 10.1016/j.cell.2012.04.045. PubMed PMID: 22770217; PubMed Central PMCID: **PMC3423199**.

Mascre G, Dekoninck S, Drogat B, Youssef KK, Broheé S, Sotiropoulou PA, Simons BD, Blanpain C. Distinct contribution of stem and progenitor cells to epidermal maintenance. *Nature*. 2012 Sep 13;489(7415):257-62. doi: 10.1038/nature11393. PubMed PMID: **22940863**.

Nassar D, Blanpain C. Epidermal development and homeostasis. *Semin Cell Dev Biol*. 2012 Oct; 23(8):883. doi: 10.1016/j.semcdb.2012.09.005. Epub 2012 Sep 24. PubMed PMID: **23018016**.

Olivier P, Simoneau-Roy J, Francoeur D, Sartelet H, Parma J, Vassart G, Van Vliet G. Leydig cell tumors in children: contrasting clinical, hormonal anatomical, and molecular characteristics in boys and girls. *J Pediatr*. 2012 Dec; 161(6):1147-52. doi: 10.1016/j.jpeds.2012.05.039. Epub 2012 Jun 23. Review. PubMed PMID: **22727875**.

Ousset M, Van Keymeulen A, Bouvencourt G, Sharma N, Achouri Y, Simons BD, Blanpain C.

Multipotent and unipotent progenitors contribute to prostate postnatal development. *Nat Cell Biol.* 2012 Nov;14(11):1131-8. doi: 10.1038/ncb2600. Epub 2012 Oct 14. PubMed PMID: [23064263](#).

Opitz R, Maquet E, Huisken J, Antonica F, Trubiroha A, Pottier G, Janssens V, Costagliola S. Transgenic zebrafish illuminate the dynamics of thyroid morphogenesis and its relationship to cardiovascular development. *Dev Biol.* 2012 Dec 15; 372(2):203-16. doi: 10.1016/j.ydbio.2012.09.011. Epub 2012 Sep 26. PubMed PMID: [23022354](#).

Parmentier M. Shedding light on G protein-coupled receptor signaling. *Nat Methods.* 2012 Oct;9(10):965-6. doi: 10.1038/nmeth.2178. PubMed PMID: [23018998](#).

Ponnoth DS, Nayeem MA, Tilley SL, Ledent C, Jamal Mustafa S. CYP-epoxygenases contribute to A2A receptor-mediated aortic relaxation via sarcolemmal KATP channels. *Am J Physiol Regul Integr Comp Physiol.* 2012 Nov 15;303(10):R1003-10. doi: 10.1152/ajpregu.00335.2012. Epub 2012 Sep 26. PubMed PMID: [23019210](#).

Rodriguez W, Jin L, Janssens V, Pierreux C, Hick AC, Urizar E, Costagliola S. Deletion of the RNaseIII enzyme dicer in thyroid follicular cells causes hypothyroidism with signs of neoplastic alterations. *PLoS One.* 2012;7(1):e29929. doi: 10.1371/journal.pone.0029929. Epub 2012 Jan 5. PubMed PMID: 22242190; PubMed Central PMCID: [PMC3252359](#).

Saiselet M, Floor S, Tarabichi M, Dom G, Hébrant A, van Staveren WC, Maenhaut C. Thyroid cancer cell lines: an overview. *Front Endocrinol (Lausanne).* 2012;3:133. doi: 10.3389/fendo.2012.00133. Epub 2012 Nov 16. PubMed PMID: 23162534; PubMed Central PMCID: [PMC3499787](#).

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.* 2012;7(11):e48675. doi: 10.1371/journal.pone.0048675. Epub 2012 Nov 6. PubMed PMID: 23139813; PubMed Central PMCID: [PMC3490856](#).

Sotiropoulou PA, Blanpain C. Development and homeostasis of the skin epidermis. *Cold Spring Harb Perspect Biol.* 2012 Jul 1;4(7):a008383. doi: 10.1101/cshperspect.a008383. PubMed PMID: [22751151](#).

Tarabichi M, Detours V, Konopka T. Piecewise polynomial representations of genomic tracks. *PLoS One.* 2012;7(11):e48941. doi: 10.1371/journal.pone.0048941. Epub 2012 Nov 15. PubMed PMID: 23166601; PubMed Central PMCID: [PMC3499510](#).

Tomás G, Tarabichi M, Gacquer D, Hébrant A, Dom G, Dumont JE, Keutgen X, Fahey TJ 3rd, Maenhaut C, Detours V. A general method to derive robust organ-specific gene expression-based differentiation indices: application to thyroid cancer diagnostic. *Oncogene.* 2012 Oct 11;31(41):4490-8. doi: 10.1038/onc.2011.626. Epub 2012 Jan 23. PubMed PMID: [22266856](#).

Tiberi L, van den Aemele J, Dimidschstein J, Piccirilli J, Gall D, Herpoel A, Bilheu A, Bonnefont J, Iacovino M, Kyba M, Bouschet T, Vanderhaeghen P. BCL6 controls neurogenesis through Sirt1-dependent epigenetic repression of selective Notch targets. *Nat Neurosci.* 2012 Dec;15(12):1627-35. doi: 10.1038/nn.3264. Epub 2012 Nov 18. PubMed PMID: [23160044](#).

Uesugi A, Kataoka A, Tozaki-Saitoh H, Koga Y, Tsuda M, Robaye B, Boeynaems JM, Inoue K. Involvement of protein kinase D in uridine diphosphate-induced microglial macropinocytosis

- and phagocytosis. *Glia*. 2012 Jul;60(7):1094-105. doi: 10.1002/glia.22337. Epub 2012 Apr 4. PubMed PMID: [22488958](#).
- Vandergheynst F, Pradier O, Beukinga I, Kornreich A, Vassart G, Decaux G. Lack of responsiveness to 1-desamino-D arginin vasopressin (desmopressin) in male patients with nephrogenic syndrome of inappropriate antidiuresis: from bench to bedside. *Eur J Clin Invest*. 2012 Mar;42(3):254-9. doi: 10.1111/j.1365-2362.2011.02576.x. Epub 2011 Aug 11. PubMed PMID: [21834801](#).
- Vanderhaeghen P. Generation of cortical neurons from pluripotent stem cells. *Prog Brain Res*. 2012;201:183-95. doi: 10.1016/B978-0-444-59544-7.00009-3. PubMed PMID: [23186715](#).
- Van Keymeulen A, Blanpain C. Tracing epithelial stem cells during development, homeostasis, and repair. *J Cell Biol*. 2012 May 28;197(5):575-84. doi: 10.1083/jcb.201201041. Review. PubMed PMID: 22641343; PubMed Central PMCID: [PMC3365500](#).
- Vanderstocken G, Van de Paar E, Robaye B, di Pietrantonio L, Bondue B, Boeynaems JM, Desmecht D, Communi D. Protective role of P2Y2 receptor against lung infection induced by pneumonia virus of mice. *PLoS One*. 2012;7(11):e50385. doi: 10.1371/journal.pone.0050385. Epub 2012 Nov 21. PubMed PMID: 23185614; PubMed Central PMCID: [PMC3503929](#).
- Vaculík M, Konlechner C, Langer I, Adlassnig W, Puschenreiter M, Lux A, Hauser MT. Root anatomy and element distribution vary between two *Salix caprea* isolates with different Cd accumulation capacities. *Environ Pollut*. 2012 Apr; 163:117-26. doi: 10.1016/j.envpol.2011.12.031. Epub 2012 Jan 11. PubMed PMID: 22325439; PubMed Central PMCID: [PMC3314946](#).
- van Staveren WC, Beeckman S, Tomás G, Dom G, Hébrant A, Delys L, Vliem MJ, Trésallet C, Andry G, Franc B, Libert F, Dumont JE, Maenhaut C. Role of Epac and protein kinase A in thyrotropin-induced gene expression in primary thyrocytes. *Exp Cell Res*. 2012 Mar 10;318(5):444-52. doi: 10.1016/j.yexcr.2011.12.022. Epub 2012 Jan 4. PubMed PMID: [22240166](#).
- Venet D, Detours V, Bersini H. A measure of the signal-to-noise ratio of microarray samples and studies using gene correlations. *PLoS One*. 2012;7(12):e51013. doi: 10.1371/journal.pone.0051013. Epub 2012 Dec 12. PubMed PMID: 23251415; PubMed Central PMCID: [PMC3520972](#).
- Venet D, Dumont JE, Detours V. Most random gene expression signatures are significantly associated with breast cancer outcome. *PLoS Comput Biol*. 2011 Oct;7(10):e1002240. doi: 10.1371/journal.pcbi.1002240. Epub 2011 Oct 20. PubMed PMID: 22028643; PubMed Central PMCID: [PMC3197658](#).
- van den Aemele J, Tiberi L, Bondue A, Paulissen C, Herpoel A, Iacovino M, Kyba M, Blanpain C, Vanderhaeghen P. Eomesodermin induces *Mesp1* expression and cardiac differentiation from embryonic stem cells in the absence of Activin. *EMBO Rep*. 2012 Apr;13(4):355-62. doi: 10.1038/embor.2012.23. PubMed PMID: 22402664; PubMed Central PMCID: [PMC3321156](#).
- Vanderstocken G, Van de Paar E, Robaye B, di Pietrantonio L, Bondue B, Boeynaems JM, Desmecht D, Communi D. Protective role of P2Y2 receptor against lung infection induced by pneumonia virus of mice. *PLoS One*. 2012;7(11):e50385. doi: 10.1371/journal.pone.0050385.

Epub 2012 Nov 21. PubMed PMID: 23185614; PubMed Central PMCID: [PMC3503929](#).

Wang N, Robaye B, Agrawal A, Skerry TM, Boeynaems JM, Gartland A. Reduced bone turnover in mice lacking the P2Y<sub>13</sub> receptor of ADP. *Mol Endocrinol*. 2012 Jan;26(1):142-52. doi: 10.1210/me.2011-1083. Epub 2011 Nov 22. PubMed PMID: [22108801](#).

Youssef KK, Lapouge G, Bouvrée K, Rorive S, Brohée S, Appelstein O, Larsimont JC, Sukumaran V, Van de Sande B, Pucci D, Dekoninck S, Berthe JV, Aerts S, Salmon I, del Marmol V, Blanpain C. Adult interfollicular tumour-initiating cells are reprogrammed into an embryonic hair follicle progenitor-like fate during basal cell carcinoma initiation. *Nat Cell Biol*. 2012 Dec;14(12):1282-94. doi: 10.1038/ncb2628. Epub 2012 Nov 25. PubMed PMID: [23178882](#).

Zoenen M, Urizar E, Swillens S, Vassart G, Costagliola S. Evidence for activity-regulated hormone-binding cooperativity across glycoprotein hormone receptor homomers. *Nat Commun*. 2012;3:1007. doi: 10.1038/ncomms1991. PubMed PMID: [22893131](#).

## 2011

Al-Hasani R, Foster JD, Metaxas A, Ledent C, Hourani SM, Kitchen I, Chen Y. Increased desensitization of dopamine D<sub>2</sub> receptor-mediated response in the ventral tegmental area in the absence of adenosine A<sub>2A</sub> receptors. *Neuroscience*. 2011 Jun 7. [Epub ahead of print] PubMed PMID: [21669258](#).

Argacha JF, Egrise D, Pochet S, Fontaine D, Lefort A, Libert F, Goldman S, van de Borne P, Berkenboom G, Moreno-Reyes R. Vitamin D deficiency-induced hypertension is associated with vascular oxidative stress and altered heart gene expression. *J Cardiovasc Pharmacol*. 2011 Jul; 58(5): 65-71. PubMed PMID: [21499117](#).

Azizieh R, Orduz D, Van Bogaert P, Bouschet T, Rodriguez W, Schiffmann SN, Pirson I, Abramowicz MJ. Progressive Myoclonic Epilepsy-Associated Gene KCTD7 is a Regulator of Potassium Conductance in Neurons. *Mol Neurobiol*. 2011 Aug;44(1):111-21. Epub Jun 28 PubMed PMID: [21710140](#).

Abramowicz M, Piccart M, Viale G, Ellis P, Carey L. Tips and tricks in triple-negative breast cancer: how to manage patients in real-life practice? *Ecanermedicalscience*. 2011; 5:217. Epub 2011 Jul 19. PubMed [PMID: 22276059](#); PubMed Central PMCID: PMC3223951.

Beck B, Driessens G, Goossens S, Youssef KK, Kuchnio A, Caauwe A, Sotiropoulou PA, Loges S, Lapouge G, Candi A, Mascre G, Drogat B, Dekoninck S, Haigh JJ, Carmeliet P, Blanpain C. A vascular niche and a VEGF-Nrp1 loop regulate the initiation and stemness of skin tumours. *Nature*. 2011 Oct19;478(7369):399-403. doi: 10.1038/nature10525. PubMed [PMID: 22012397](#).

Bondue A, Tännler S, Chiapparo G, Chabab S, Ramialison M, Paulissen C, Beck B, Harvey R, Blanpain C. Defining the earliest step of cardiovascular progenitor specification during embryonic stem cell differentiation. *J Cell Biol*. 2011 Mar 7; 192(5):751-65. PubMed PMID: 21383076; PubMed Central PMCID: [PMC3051813](#).

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 lunginflammation and enhances anti-viral immunity in a mouse model of acute viral pneumonia. *PLoS Pathog*. 2011

Nov;7(11):e1002358. doi: 10.1371/journal.ppat.1002358. Epub 2011 Nov 3. PubMed PMID: 22072972; PubMed Central PMCID: [PMC3207933](#).

Boeynaems JM, Orriss IR, Wang N, Burnstock G, Arnett TR, Gartland A, Robaye B. The P2Y(6) receptor stimulates bone resorption by osteoclasts. *Endocrinology*. 2011 Oct;152(10):3706-16. Epub 2011 Aug 9. PubMed [PMID: 21828185](#).

Boeynaems JM, Sirtori CR. Erratum to: The unexpected roles of extracellular ADP and P2Y(13) receptor in reverse cholesterol transport. *Purinergic Signal*. 2011 Mar; 7(1):165. PubMed PMID: 21484103; PubMed Central PMCID: [PMC3083134](#).

Blanpain C, Mohrin M, Sotiropoulou PA, Passegué E. DNA-damage response in tissue-specific and cancer stem cells. *Cell Stem Cell*. 2011 Jan 7;8(1):16-29. Review. PubMed PMID: [21211780](#).

Charles M, Le Guellec C, Richard D, Libert F. [Level of Evidence for Therapeutic Drug Monitoring of Itraconazole.]. *Therapie*. 2011 3-4;66(2):103-108. Epub 2011 Jun 6. French. PubMed PMID: [21635856](#).

Costagliola Sabine Thyrotropin receptor activation by autoantibodies: a butterfly effect. *Ann Endocrinol (Paris)*. 2011 Apr; 72(2):114-6. Epub 2011 Apr 20. PubMed PMID: [21511234](#).

Christophe Daniel, Daniel C, Vitillo JG, Fasano G, Guerra G. Aerogels and polymorphism of isotactic poly(4-methyl-pentene-1). *ACS Appl Mater Interfaces*. 2011 Apr;3(4):969-77. Epub 2011 Mar 23. PubMed PMID: [21391589](#).

Casiot C, Egal M, Bruneel O, Verma N, Parmentier M, Elbaz-Poulichet F. Predominance of aqueous TI(I) species in the river system downstream from the abandoned Carnoulès mine (Southern France). *Environ Sci Technol*. 2011 Mar 15; 45(6):2056-64. Epub 2011 Feb 18. PubMed PMID: [21332194](#).

Claes K, Dahan K, Tejpar S, De Paepe A, Bonduelle M, Abramowicz M, Verellen C, Franchimont D, Van Cutsem E, Kartheuser A. The genetics of familial adenomatous polyposis (FAP) and MutYH-associated polyposis (MAP). *Acta Gastroenterol Belg*. 2011 Sep;74(3):421-6. Review. PubMed PMID: [22103048](#).

De Palma G, Castellano G, Del Prete A, Sozzani S, Fiore N, Loverre A, Parmentier M, Gesualdo L, Grandaliano G, Schena FP. The possible role of ChemR23/Chemerin axis in the recruitment of dendritic cells in lupus nephritis. *Kidney Int*. 2011 Jun; 79(11):1228-35. doi: 10.1038/ki.2011.32. Epub 2011 Feb 23. PubMed PMID: [21346723](#).

Dubielecka PM, Ladwein KI, Xiong X, Migeotte I, Chorzalska A, Anderson KV, Sawicki JA, Rottner K, Stradal TE, Kotula L. Essential role for Abi1 in embryonic survival and WAVE2 complex integrity. *Proc Natl Acad Sci U S A*. 2011 Apr 26;108(17):7022-7. Epub 2011 Apr 11. PubMed PMID: 21482783; PubMed Central PMCID: [PMC3084068](#).

Devosse T, Dutoit R, Migeotte I, De Nadai P, 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. *J Immunol*. 2011 Jun 27. [Epub ahead of print] PubMed PMID: [21709160](#).

Donkó A, Ruisanchez E, Orient A, Enyedi B, Kapui R, Péterfi Z, de Deken X, Benyó Z, Geiszt M. Urothelial cells produce hydrogen peroxide through the activation of Duox1. *Free Radic Biol Med*. 2010 Dec 15; 49(12):2040-8. PubMed PMID: [21146788](#).

Driessens G, Blanpain C. Long live sox2: sox2 lasts a lifetime. *Cell StemCell*. 2011 Oct 4;9(4):283-4. doi: 10.1016/j.stem.2011.09.007. PubMed PMID: [21982223](#).

Erneux C, Edimo WE, Deneubourg L, Pirson I. SHIP2 multiple functions: a balance between a negative control of PtdIns (3,4,5)P(3) level, a positive control of PtdIns(3,4)P(2) production and intrinsic docking properties. *J Cell Biochem*. 2011 Apr 18. doi: 10.1002/jcb.23146. [Epub ahead of print] PubMed PMID: [21503961](#).

Floor S, van Staveren WC, Larsimont D, Dumont JE, Maenhaut C. Cancer cells in epithelial-to-mesenchymal transition and tumor-propagating-cancer stem cells: distinct, overlapping or same populations. *Oncogene*. 2011 Nov 17;30(46):4609-21. doi: 10.1038/onc.2011.184. Epub Jun 6. Review. PubMed PMID: [21643013](#).

Gromova P, Rubin BP, Thys A, Cullus P, Erneux C, Vanderwinden JM. ENDOGLIN/CD105 is expressed in KIT positive cells in the gut and in gastrointestinal stromal tumors. *J Cell Mol Med*. 2011 Mar 24. doi: 10.1111/j.1582-4934.2011.01315.x. [Epub ahead of print] PubMed PMID: [21435173](#).

Golan O, Issan Y, Isak A, Leipziger J, Robaye B, Shainberg A. Extracellular nucleotide derivatives protect cardiomyocytes against hypoxic stress. *Biochem Pharmacol*. 2011 May 15;81(10):1219-27. Epub 2011 Mar 3. PubMed PMID: [21376706](#).

Gromova P, Rubin BP, Thys A, Erneux C, Vanderwinden JM. Neurotensin receptor 1 is expressed in gastrointestinal stromal tumors but not in interstitial cells of Cajal. *PLoS One*. 2011 Feb 18; 6(2):e14710. PubMed PMID: 21364741; PubMed Central PMCID: [PMC3041753](#).

Gaspard N, Vanderhaeghen P. From stem cells to neural networks: recent advances and perspectives for neurodevelopmental disorders. *Dev Med Child Neurol*. 2011 Jan; 53(1):13-7. doi: 10.1111/j.1469-8749.2010.03827.x. Epub 2010 Nov 18. Review. PubMed PMID: [21087236](#).

Gaspard N, Vanderhaeghen P. Laminar fate specification in the cerebral cortex. *F1000 Biol Rep*. 2011;3:6. Epub 2011 Mar 1. PubMed PMID: 21655334; PubMed Central PMCID: [PMC3100784](#).

Jørgensen NR, Boeynaems JM, Di Virgilio F. European meeting "P2 receptors: new targets for the treatment of osteoporosis". *Purinergic Signal*. 2011 Feb 18. [Epub ahead of print] PubMed PMID: [21484088](#).

Köröskényi K, Duró E, Pallai A, Sarang Z, Kloor D, Ucker DS, Beceiro S, Castrillo A, Chawla A, Ledent C, Fésüs L, Szondy Z. Involvement of Adenosine A2A Receptors in Engulfment-Dependent Apoptotic Cell Suppression of Inflammation. *J Immunol*. 2011 Jun 15; 186(12):7144-55. Epub 2011 May 18. PubMed PMID: [21593381](#).

Lapouge G, Youssef KK, Vokaer B, Achouri Y, Michaux C, Sotiropoulou PA, Blanpain C. Identifying the cellular origin of squamous skin tumors. *Proc Natl Acad Sci U S A*. 2011 May 3;108(18):7431-6. doi: 10.1073/pnas.1012720108. Epub 2011 Apr 18. PubMed PMID: 21502497; PubMed Central PMCID: [PMC3088632](#).

Lambert N, Lambot MA, Bilheu A, Albert V, Englert Y, Libert F, Noel JC, Sotiriou C, Holloway AK, Pollard KS, Detours V, Vanderhaeghen P. Genes expressed in specific areas of the human fetal cerebral cortex display distinct patterns of evolution. *PLoS One*. 2011 Mar 18;6(3):e17753. PubMed PMID: 21445258; PubMed Central PMCID: [PMC3060818](#).

Langer I. Conformational switches in the VPAC1 receptor. *Br J Pharmacol*. 2011 Aug 1. doi: 10.1111/j.1476-5381.2011.01616.x. [Epub ahead of print] PubMed PMID: 21806602

Layalle S, Volovitch M, Mugat B, Bonneaud N, Parmentier M, Prochiantz A, Joliot A, Maschat F. Engrailed homeoprotein acts as a signaling molecule in the developing fly. *Development*. 2011 Jun; 138(11):2315-23. PubMed PMID: 21558379.

Liao XH, Di Cosmo C, Dumitrescu AM, Hernandez A, Van Sande J, St Germain DL, Weiss RE, Galton VA, Refetoff S. Distinct roles of deiodinases on the phenotype of Mct8 defect: a comparison of eight different mouse genotypes. *Endocrinology*. 2011 Mar; 152(3):1180-91. Epub 2011 Feb 1. PubMed PMID: 21285310; PubMed Central PMCID: PMC3040057.

Livadariu E, Auriemma RS, Rydlewski C, Betea D, Vandeva S, Hamoir E, Burlacu MC, Maweja S, Thonnard AS, Vassart G, Daly AF, Beckers A. Mutations of calcium-sensing receptor (CaSR) gene: two novel mutations and overview of impact on calcium homeostasis. *Eur J Endocrinol*. 2011 May 12. [Epub ahead of print] PubMed PMID: 21566074.

Mandal PK, Blanpain C, Rossi DJ. DNA damage response in adult stem cells: pathways and consequences. *Nat Rev Mol Cell Biol*. 2011 Mar; 12(3):198-202. Epub 2011 Feb 9. PubMed PMID: 21304553.

Massart C, Hoste C, Virion A, Ruf J, Dumont JE, Van Sande J. Cell biology of H<sub>2</sub>O<sub>2</sub> generation in the thyroid: Investigation of the control of dual oxidases (DUOX) activity in intact ex vivo thyroid tissue and cell lines. *Mol Cell Endocrinol*. 2011 Aug 22; 343(1-2):32-44. Epub 2011 Jun 6. PubMed PMID: 21683758.

Mustata RC, Van Loy T, Lefort A, Libert F, Strollo S, Vassart G, Garcia MI. Lgr4 is required for Paneth cell differentiation and maintenance of intestinal stem cells ex vivo. *EMBO Rep*. 2011 Jun;12(6):558-64. Epub 2011 Apr 21. PubMed PMID: 21508962.

Mievis S, Blum D, Ledent C. Worsening of Huntington disease phenotype in CB1 receptor knockout mice. *Neurobiol Dis*. 2011 Jun;42(3):524-9. Epub 2011 Mar 22. PubMed PMID: 21406230.

Moreno-Reyes R, Carpentier YA, Macours P, Gulbis B, Corvilain B, Glinoe D, Goldman S. Seasons but not ethnicity influence urinary iodine concentrations in Belgian adults. *Eur J Nutr*. 2011 Jun; 50(4):285-90. Epub 2010 Oct 20. PubMed PMID: 20960000.

Maenhaut C, Detours V, Dom G, Handkiewicz-Junak D, Oczko-Wojciechowska M, Jarzab B. Gene expression profiles for radiation-induced thyroid cancer. *Clin Oncol (R Coll Radiol)*. 2011 May; 23(4):282-8. Epub 2011 Mar 15. PubMed PMID: 21411301.

Migeotte I, Grego-Bessa J, Anderson KV. Rac1 mediates morphogenetic responses to intercellular signals in the gastrulating mouse embryo. *Development*. 2011 Jul;138(14):3011-20. PubMed PMID: 21693517; PubMed Central PMCID: PMC3119308.

Migliorini D, Bogaerts S, Defever D, Vyas R, Denecker G, Radaelli E, Zwolinska A, Depaepe V, Hochepeid T, Skarnes WC, Marine JC. Cop1 constitutively regulates c-Jun protein stability and functions as a tumor suppressor in mice. *J Clin Invest*. 2011 Apr 1; 121(4):1329-43. doi: 10.1172/JCI45784. Epub 2011 Mar 14. PubMed PMID: 21403399.

McNulty S, Powell K, Erneux C, Kalman D. The Host Phosphoinositide 5-Phosphatase SHIP2

Regulates Dissemination of Vaccinia Virus. *J Virol.* 2011 Jul;85(14):7402-10. Epub 2011 May 4. PubMed PMID: 21543482; PubMed Central PMCID: [PMC3126556](#).

Orriss I, Syberg S, Wang N, Robaye B, Gartland A, Jorgensen N, Arnett T, Boeynaems JM. Bone phenotypes of P2 receptor knockout mice. *Front Biosci (Schol Ed).* 2011 Jun 1;3:1038-46. PubMed PMID: [21622253](#).

Opitz R, Maquet E, Zoenen M, Dadhich R, Costagliola S. TSH Receptor Function Is Required for Normal Thyroid Differentiation in Zebrafish. *Mol Endocrinol.* 2011 Sep;25(9): 1579-99. Epub 2011 Jul 7. PubMed PMID: [21737742](#).

Paula Vieira R, Müller T, Grimm M, von Gernler V, Vetter B, Dürk T, Cicko S, Ayata CK, Sorichter S, Robaye B, Zeiser R, Ferrari D, Kirschbaum A, Zissel G, Virchow JC, Boeynaems JM, Idzko M. P2Y6 Receptor Contributes to Airway Inflammation and Remodeling in Experimental Allergic Airway Inflammation. *Am J Respir Crit Care Med.* 2011 Jul 15;184(2):215-23. Epub April 21. PubMed PMID: [21512170](#).

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. *CerebCortex.* 2012 Jul;22(7):1678-89. doi: 10.1093/cercor/bhr245. Epub 2011 Sep 21. PubMed [PMID: 21940705](#).

Pandolfo P, Silveirinha V, dos Santos-Rodrigues A, Venance L, Ledent C, Takahashi RN, Cunha RA, Köfalvi A. Cannabinoids inhibit the synaptic uptake of adenosine and dopamine in the rat and mouse striatum. *Eur J Pharmacol.* 2011 Mar 25;655(1-3):38-45. Epub 2011 Jan 23. PubMed PMID: [21266173](#).

Roger PP, Coulonval K, Kooken H, Coupling of T161 and T14 phosphorylations protects cyclin B-CDK1 from premature activation. *Mol Biol Cell.* 2011 Nov; 22(21):3971-85. Epub 2011 Sep 7. PMCID: PMC3204060 - [PMID: 21900495](#) [PubMed - indexed for MEDLINE]

Ruiz-Medina J, Ledent C, Valverde O. GPR3 orphan receptor is involved in neuropathic pain after peripheral nerve injury and regulates morphine-induced antinociception. *Neuropharmacology.* 2011 Jul-Aug; 61(1-2):43-50. Epub 2011 Feb 23. PubMed PMID: [21352831](#).

Ruiz-Medina J, Ledent C, Carretón O, Valverde O. The A2a adenosine receptor modulates the reinforcement efficacy and neurotoxicity of MDMA. *J Psychopharmacol.* 2011 Apr; 25(4):550-64. Epub 2011 Jan 24. PubMed PMID: [21262860](#).

Simonart T, Kabagabo C, De Maertelaer V. Homeopathic remedies in dermatology: a systematic review of controlled clinical trials. *Br J Dermatol.* 2011 Jun 11. doi: 10.1111/j.1365-2133.2011.10457.x. [Epub ahead of print] PubMed PMID: [21668433](#).

Saint-Marcoux F, Guignonis V, Decramer S, Gandia P, Ranchin B, Parant F, Bessenay L, Libert F, Harambat J, Bouchet S, Broux F, Compagnon P, Marquet P. Development of a Bayesian estimator for the therapeutic drug monitoring of mycophenolate mofetil in children with idiopathic nephrotic syndrome. *Pharmacol Res.* 2011 May;63(5):423-31. Epub 2011 Jan 25. PubMed PMID: [21272643](#).

Swillens S, Dessars B, Housni HE. Revisiting the sigmoidal curve fitting applied to quantitative real-time PCR data. *Anal Biochem.* 2008 Feb 15;373(2):370-6. Epub 2007 Oct 22. PubMed PMID: [17996715](#).

Talmat-Amar Y, Arribat Y, Redt-Clouet C, Feuillet S, Bougé AL, Lecourtois M, Parmentier M. Important neuronal toxicity of microtubule-bound Tau in vivo in *Drosophila*. *Hum Mol Genet*. 2011 Jul 6. [Epub ahead of print] PubMed PMID: [21705366](#).

Vassart G. Cloning of the TSH receptor: the story from a Brussels perspective. *Ann Endocrinol (Paris)*. 2011 Apr;72(2):55-9. Epub 2011 Apr 20. PubMed PMID: [21511246](#).

Vassart G, Costagliola S. G protein-coupled receptors: mutations and endocrine diseases. *Nat Rev Endocrinol*. 2011 Jun;7(6):362-72. Epub 2011 Feb 8. PubMed PMID: [21301490](#).

Vanderhaeghen P, Pietri S, Dimidschstein J, Tiberi L, Sotiropoulou PA, Bilheu A, Goffinet A, Achouri Y, Tissir F, Blanpain C, Jacquemin P. Transcriptional Mechanisms of EphA7 Gene Expression in the Developing Cerebral Cortex. *Cereb Cortex*. 2011 Sep 21. [Epub ahead of print] PubMed PMID: [21940705](#).

Vilain C, Rens C, Aeby A, Balériaux D, Van Bogaert P, Remiche G, Smet J, Van Coster R, Abramowicz M, Pirson I. A novel NDUFV1 gene mutation in complex I deficiency in consanguineous siblings with brainstem lesions and Leigh syndrome. *Clin Genet*. 2011 Jun 23. doi: 10.1111/j.1399-0004.2011.01743.x. [Epub ahead of print] PubMed PMID: [21696386](#).

Viehl CT, Langer I, Guller U, Zanetti-Dällenbach R, Moch H, Wight E, Oertli D, Zuber M. Prognostic impact and therapeutic implications of sentinel lymph node micro-metastases in early-stage breast cancer patients. *J Surg Oncol*. 2011 May 1; 103(6):531-3. doi: 10.1002/jso.21693. Review. PubMed PMID: [21480245](#).

Van Keymeulen A, Rocha AS, Ousset M, Beck B, Bouvencourt G, Rock J, Sharma N, Dekoninck S, Blanpain C. Distinct stem cells contribute to mammary gland development and maintenance. *Nature*. 2011 Oct 9;479(7372):189-93. doi: 10.1038/nature10573. PubMed PMID: [21983963](#).

Wattiez AS, Libert F, Privat AM, Liodice S, Fialip J, Eschalier A, Courteix C. Evidence for a differential opioidergic involvement in the analgesic effect of antidepressants: prediction for efficacy in animal models of neuropathic pain? *Br J Pharmacol*. 2011 Jun; 163(4):792-803. doi: 10.1111/j.1476-5381.2011.01297.x. PubMed PMID: 21371007; PubMed Central PMCID: [PMC3111681](#).

Younes B, Cilindre C, Villaume S, Parmentier M, Jeandet P, Vasserot Y. Evidence for an Extracellular Acid Proteolytic Activity Secreted by Living Cells of *Saccharomyces cerevisiae* PIR1: Impact on Grape Proteins. *J Agric Food Chem*. 2011 May 13. [Epub ahead of print] PubMed PMID: [21528928](#).

Youssef KK, Blanpain C. A blizzard of stem cells in Santa Fe. *EMBO Rep*. 2011 Jun; 12(6):485-7. Epub 2011 May 13. PubMed PMID: [21566645](#).

## 2010

Abu-Khudir R, Paquette J, Lefort A, Libert F, Chanoine JP, Vassart G, Deladoëy J. Transcriptome, methylome and genomic variations analysis of ectopic thyroid glands. *PLoS One*. 2010 Oct 15;5(10):e13420. PubMed PMID: 20976176; PubMed Central PMCID: [PMC2955549](#).

Bondue A, Blanpain C. Mesp1: a key regulator of cardiovascular lineage commitment. *Circ*

Res. 2010 Dec 10;107(12):1414-27. Review. PubMed PMID: [21148448](#).

Blanpain C, Sotiropoulou PA. A dominant role of the hair follicle stem cell niche in regulating melanocyte stemness. *Cell Stem Cell*. 2010 Feb 5;6(2):95-6. PubMed PMID: [20144781](#).

Blanpain C. Stem cells: Skin regeneration and repair. *Nature*. 2010 Apr 1; 464(7289):686-7. PubMed PMID: [20360726](#).

Boeynaems JM, Sirtori CR. The unexpected roles of extracellular ADP and P2Y(13) receptor in reverse cholesterol transport. *Purinergic Signal*. 2010 Dec;6(4):361-3. Epub 2010 Dec 14. PubMed PMID: 21437006; PubMed Central PMCID: [PMC3033499](#).

Ben Addi A, Cammarata D, Conley PB, Boeynaems JM, Robaye B. Role of the P2Y12 receptor in the modulation of murine dendritic cell function by ADP. *J Immunol*. 2010 Nov 15;185(10):5900-6. Epub 2010 Oct 15. PubMed PMID: [20952684](#).

Blancquaert S, Wang L, Paternot S, Coulonval K, Dumont JE, Harris TE, Roger PP. cAMP-dependent activation of mammalian target of rapamycin (mTOR) in thyroid cells. Implication in mitogenesis and activation of CDK4. *Mol Endocrinol*. 2010 Jul;24(7):1453-68. Epub 2010 May 19. PubMed PMID: 20484410; PubMed Central PMCID: [PMC2903905](#).

Bles N, Di Pietrantonio L, Boeynaems JM, Communi D. ATP confers tumorigenic properties to dendritic cells by inducing amphiregulin secretion. *Blood*. 2010 Oct 28;116(17):3219-26. Epub 2010 Jul 22. PubMed PMID: [20651071](#).

Cicko S, Lucattelli M, Müller T, Lommatzsch M, De Cunto G, Cardini S, Sundas W, Grimm M, Zeiser R, Dürk T, Zissel G, Boeynaems JM, Sorichter S, Ferrari D, Di Virgilio F, Virchow JC, Lungarella G, Idzko M. Purinergic receptor inhibition prevents the development of smoke-induced lung injury and emphysema. *J Immunol*. 2010 Jul 1;185(1):688-97. Epub 2010 Jun 2. PubMed PMID: [20519655](#).

Christophe-Hobertus C, Christophe D. Delimitation and functional characterization of the bidirectional THOX-DUOXA promoter regions in thyrocytes. *Mol Cell Endocrinol*. 2010 Apr 12;317(1-2):161-7. Epub 2010 Jan 12. PubMed PMID: [20060878](#).

Christophe-Hobertus C, Christophe D. Delimitation and functional characterization of the bidirectional THOX-DUOXA promoter regions in thyrocytes. *Mol Cell Endocrinol*. 2010 Apr 12;317(1-2):161-7. Epub 2010 Jan 12. PubMed PMID: [20060878](#).

Chioccarelli T, Cacciola G, Altucci L, Lewis SE, Simon L, Ricci G, Ledent C, Meccariello R, Fasano S, Pierantoni R, Cobellis G. Cannabinoid receptor 1 influences chromatin remodeling in mouse spermatids by affecting content of transition protein 2 mRNA and histone displacement. *Endocrinology*. 2010 Oct;151(10):5017-29. Epub 2010 Sep 1. Erratum in: *Endocrinology*. 2010 Nov;151(11):5563. PubMed PMID: [20810562](#).

Csibi A, Communi D, Müller N, Bottari SP. Angiotensin II inhibits insulin-stimulated GLUT4 translocation and Akt activation through tyrosine nitration-dependent mechanisms. *PLoS One*. 2010 Apr 7;5(4):e10070. PubMed PMID: 20383279; PubMed Central PMCID: [PMC2850936](#).

Charlier E, Condé C, Zhang J, Deneubourg L, Di Valentin E, Rahmouni S, Chariot A, Agostinis P, Pang PC, Haslam SM, Dell A, Penninger J, Erneux C, Piette J, Gloire G. SHIP-1 inhibits CD95/APO-1/Fas-induced apoptosis in primary T lymphocytes and T leukemic cells by promoting CD95 glycosylation independently of its phosphatase activity. *Leukemia*. 2010 Apr;24(4):821-32. Epub 2010 Feb 11. PubMed PMID: [20147977](#).

Chugunov AO, Simms J, Poyner DR, Dehouck Y, Rooman M, Gilis D, Langer I. Evidence that interaction between conserved residues in transmembrane helices 2, 3, and 7 are crucial for human VPAC1 receptor activation. *Mol Pharmacol*. 2010 Sep;78(3):394-401. Epub 2010 Jun 23. PubMed PMID: [20573782](#).

Dumont JE, De Deken X, Miot F, Corvilain V, Contempré B, Goyens R, Massart C, Van Sande J, Allaoui A, Botteaux A. H<sub>2</sub>O<sub>2</sub>, signal, substrate, mutagen and chemorepellent from physiology to biochemistry and disease. *Bull Mem Acad R Med Belg*. 2010;165(5-6):231-4; discussion 235. PubMed PMID: [21510483](#).

Djafarian K, Jackson DM, Milne E, Roger P, Speakman JR. Doubly labeled water: Multi-point and two-point methods in pre-school children. *Int J Pediatr Obes*. 2010;5(1):102-10. PubMed PMID: [20078379](#).

Désir J, Sznajer Y, Depasse F, Roulez F, Schrooyen M, Meire F, Abramowicz M. LTBP2 null mutations in an autosomal recessive ocular syndrome with megalocornea, spherophakia, and secondary glaucoma. *Eur J Hum Genet*. 2010 Jul; 18(7):761-7. Epub 2010 Feb 24. PubMed PMID: 20179738; PubMed Central PMCID: [PMC2987369](#).

Dieterich M, Bolz M, Reimer T, Costagliola S, Gerber B. Two different entities of spontaneous ovarian hyperstimulation in a woman with FSH receptor mutation. *Reprod Biomed Online*. 2010 Jun;20(6):751-8. Epub 2010 Feb 26. PubMed PMID: [20378412](#).

Fabre AC, Malaval C, Ben Addi A, Verdier C, Pons V, Serhan N, Lichtenstein L, Combes G, Huby T, Briand F, Collet X, Nijstad N, Tietge UJ, Robaye B, Perret B, Boeynaems JM, Martinez LO. P2Y<sub>13</sub> receptor is critical for reverse cholesterol transport. *Hepatology*. 2010 Oct;52(4):1477-83. PubMed PMID: [20830789](#).

Figuroa-Gerstenmaier S, Daniel C, Milano G, Guerra G, Zavorotynska O, Vitillo JG, Zecchina A, Spoto G. Storage of hydrogen as a guest of a nanoporous polymeric crystalline phase. *Phys Chem Chem Phys*. 2010;12(20):5369-74. Epub 2010 Apr 8. PubMed PMID: [20379574](#).

Gaspard N, Vanderhaeghen P. Mechanisms of neural specification from embryonic stem cells. *Curr Opin Neurobiol*. 2010 Feb;20(1):37-43. Epub 2010 Jan 14. Review. PubMed PMID: [20080043](#).

Hébrant A, van Staveren WC, Maenhaut C, Dumont JE, Leclère J. Genetic hyperthyroidism: hyperthyroidism due to activating TSHR mutations. *Eur J Endocrinol*. 2011 Jan;164(1):1-9. Epub 2010 Oct 6. Review. PubMed PMID: [20926595](#).

Hoste C, Rigutto S, Van Vliet G, Miot F, De Deken X. Compound heterozygosity for a novel hemizygous missense mutation and a partial deletion affecting the catalytic core of the H<sub>2</sub>O<sub>2</sub>-generating enzyme DUOX2 associated with transient congenital hypothyroidism. *Hum Mutat*. 2010 Apr;31(4):E1304-19. PubMed PMID: [20187165](#).

Hussey MJ, Clarke GD, Ledent C, Kitchen I, Hourani SM. Genetic deletion of the adenosine A<sub>2A</sub> receptor in mice reduces the changes in spinal cord NMDA receptor binding and glucose uptake caused by a nociceptive stimulus. *Neurosci Lett*. 2010 Aug 2;479(3):297-301. Epub 2010 Jun 4. PubMed PMID: [20570711](#).

Jacobson KA, Boeynaems JM. P2Y nucleotide receptors: promise of therapeutic applications. *Drug Discov Today*. 2010 Jul;15(13-14):570-8. Epub 2010 Jun 2. Review. PubMed PMID: 20594935; PubMed Central PMCID: [PMC2920619](#).

Kronlage M, Song J, Sorokin L, Isfort K, Schwerdtle T, Leipziger J, Robaye B, Conley PB, Kim HC, Sargin S, Schön P, Schwab A, Hanley PJ. Autocrine purinergic receptor signaling is essential for macrophage chemotaxis. *Sci Signal*. 2010 Jul 27;3(132):ra55. PubMed PMID: [20664064](#).

Kra O, Ouattara B, Aba Y, Roger P, Dellamonica P. [Utility of the viral load measurement after one month of antiretroviral treatment]. *Sante*. 2010 Jul-Sep;20(3):149-52. Epub 2010 Dec 3. French. PubMed PMID: [21126946](#).

Khelashvili G, Dorff K, Shan J, Camacho-Artacho M, Skrabanek L, Vroiling B, Bouvier M, Devi LA, George SR, Javitch JA, Lohse MJ, Milligan G, Neubig RR, Palczewski K, Parmentier M, Pin JP, Vriend G, Campagne F, Filizola M. GPCR-OKB: the G Protein Coupled Receptor Oligomer Knowledge Base. *Bioinformatics*. 2010 Jul 15;26(14):1804-5. Epub 2010 May 25. PubMed PMID: 20501551; PubMed Central PMCID: [PMC2894509](#).

Kass Youssef K, Lapouge G, Van Keymeulen A, Blanpain C. [Identification of basal cell carcinoma initiating cells]. *Med Sci (Paris)*. 2010 Dec; 26(12):1020-2. French. PubMed PMID: [21187033](#).

Kwon J, Shatynski KE, Chen H, Morand S, de Deken X, Miot F, Leto TL, Williams MS. The nonphagocytic NADPH oxidase Duox1 mediates a positive feedback loop during T cell receptor signaling. *Sci Signal*. 2010 Aug 3;3(133):ra59. PubMed PMID: 20682913; PubMed Central PMCID: [PMC2941205](#).

Lapouge G, Blanpain C. Medical applications of epidermal stem cells. 2008 Nov 15. *StemBook* [Internet]. Cambridge (MA): Harvard Stem Cell Institute; 2008-. Available from <http://www.ncbi.nlm.nih.gov/bookshelf/br.fcgi?book=stembook&part=medicalapplicationsofepidermal> PubMed PMID: [20614607](#).

Leroy K, Ando K, Héraud C, Yilmaz Z, Authélet M, Boeynaems JM, Buée L, De Decker R, Brion JP. Lithium treatment arrests the development of neurofibrillary tangles in mutant tau transgenic mice with advanced neurofibrillary pathology. *J Alzheimers Dis*. 2010;19(2):705-19. PubMed PMID: [20110614](#).

Laatikainen LE, Castellone MD, Hebrant A, Hoste C, Cantisani MC, Laurila JP, Salvatore G, Salerno P, Basolo F, Näsman J, Dumont JE, Santoro M, Laukkanen MO. Extracellular superoxide dismutase is a thyroid differentiation marker down-regulated in cancer. *Endocr Relat Cancer*. 2010 Aug 16;17(3):785-96. Print 2010 Sep. PubMed PMID: [20576801](#).

Langer I, Ögredici Ö, Erb S, Langer I, Pilo P, Kerner A, Haack HG, Cathomas G, Danuser J, Pappas G, Tarr PE. Brucellosis reactivation after 28 years. *Emerg Infect Dis*. 2010 Dec;16(12):2021-2. PubMed PMID: [21122256](#).

Li X, Liu Y, Tang Y, Roger P, Jeng MH, Kao C. Docetaxel increases antitumor efficacy of oncolytic prostate-restricted replicative adenovirus by enhancing cell killing and virus distribution. *J Gene Med*. 2010 Jun;12(6):516-27. PubMed PMID: [20527044](#).

Libert F, Le Guellec C, Bentué-Ferrer D; groupe STP de la SFPT. [Therapeutic drug monitoring]. *Therapie*. 2010 Jan-Feb;65(1):13-5. French. PubMed PMID: [20443240](#).

Lee JD, Migeotte I, Anderson KV. Left-right patterning in the mouse requires Epb4.115-dependent morphogenesis of the node and midline. *Dev Biol*. 2010 Oct 15;346(2):237-46. Epub 2010 Aug 1. PubMed PMID: [20678497](#).

Müller T, Robaye B, Vieira RP, Ferrari D, Grimm M, Jakob T, Martin SF, Di Virgilio F,

Boeynaems JM, Virchow JC, Idzko M. The purinergic receptor P2Y2 receptor mediates chemotaxis of dendritic cells and eosinophils in allergic lung inflammation. *Allergy*. 2010 Dec;65(12):1545-53. doi: 10.1111/j.1398-9995.2010.02426.x. Epub 2010 Sep 29. PubMed PMID: [20880147](#).

Migeotte I, Omelchenko T, Hall A, Anderson KV. Rac1-dependent collective cell migration is required for specification of the anterior-posterior body axis of the mouse. *PLoS Biol*. 2010 Aug 3;8(8):e1000442. PubMed PMID: 20689803; PubMed Central PMCID: [PMC2914637](#).

Mievis S, Blum D, Ledent C. A2A receptor knockout worsens survival and motor behaviour in a transgenic mouse model of Huntington's disease. *Neurobiol Dis*. 2011 Feb; 41(2):570-6. Epub 2010 Nov 6. PubMed PMID: [21062644](#).

Nicholas AK, Khurshid M, Désir J, Carvalho OP, Cox JJ, Thornton G, Kausar R, Ansar M, Ahmad W, Verloes A, Passemard S, Misson JP, Lindsay S, Gergely F, Dobyns WB, Roberts E, Abramowicz M, Woods CG. WDR62 is associated with the spindle pole and is mutated in human microcephaly. *Nat Genet*. 2010 Nov; 42(11):1010-4. Epub 2010 Oct 3. PubMed PMID: [20890279](#).

Paternot S, Bockstaele L, Bisteau X, Kooken H, Coulonval K, Roger PP. Rb inactivation in cell cycle and cancer: the puzzle of highly regulated activating phosphorylation of CDK4 versus constitutively active CDK-activating kinase. *Cell Cycle*. 2010 Feb 15;9(4):689-99. Epub 2010 Feb 12. Review. PubMed PMID: [20107323](#).

Penault-Llorca F, Vincent-Salomon A, Bellocq JP, Matthieu MC, Grogan GM, Treilleux I, Ettore F, Laberge-Le Couteulx S, Sigal B, Couturier J, Lacroix-Triki M, Antoine M, Balaton A, Baranzelli MC, Becette V, Blanc-Fournier C, Bibeau F, Brabencova E, Croce S, Fridman V, Génin P, Ghnassia JP, Jacquemier J, Poulet B, Roger P, Sagan C, Tas P, Trassard M, Verrièle V, Arnould L; GEFPICS. [Update of the GEFPICS' recommendations for HER2 status determination in breast cancers in France]. *Ann Pathol*. 2010 Oct;30(5):357-73. Epub 2010 Oct 16. French. PubMed PMID: [21055523](#).

Riegel AK, Faigle M, Zug S, Rosenberger P, Robaye B, Boeynaems JM, Idzko M, Eltzschig HK. Selective induction of endothelial P2Y6 nucleotide receptor promotes vascular inflammation. *Blood*. 2011 Feb 24;117(8):2548-55. Epub 2010 Dec 20. PubMed PMID: 21173118; PubMed Central PMCID: [PMC3062416](#).

Safhi MM, Rutherford C, Ledent C, Sands WA, Palmer TM. Priming of signal transducer and activator of transcription proteins for cytokine-triggered polyubiquitylation and degradation by the A2A adenosine receptor. *Mol Pharmacol*. 2010 Jun;77(6):968-78. Epub 2010 Feb 25. PubMed PMID: [20185553](#).

Struyf S, Salogni L, Burdick MD, Vandercappellen J, Gouwy M, Noppen S, Proost P, Opendakker G, Parmentier M, Gerard C, Sozzani S, Strieter RM, Van Damme J. Angiostatic and chemotactic activities of the CXC chemokine CXCL4L1 (platelet factor-4 variant) are mediated by CXCR3. *Blood*. 2011 Jan 13;117(2):480-8. Epub 2010 Oct 27. PubMed PMID: 20980681; PubMed Central PMCID: [PMC3031477](#).

Sotiropoulou PA, Candi A, Mascré G, De Clercq S, Youssef KK, Lapouge G, Dahl E, Semeraro C, Denecker G, Marine JC, Blanpain C. Bcl-2 and accelerated DNA repair mediates resistance of hair follicle bulge stem cells to DNA-damage-induced cell death. *Nat Cell Biol*. 2010 Jun;12(6):572-82. Epub 2010 May 16. PubMed PMID: [20473297](#).

Smith SB, Qu HQ, Taleb N, Kishimoto NY, Scheel DW, Lu Y, Patch AM, Grabs R, Wang J, Lynn FC, Miyatsuka T, Mitchell J, Seerke R, Désir J, Eijnden SV, Abramowicz M, Kacet N, Weill J,

Renard ME, Gentile M, Hansen I, Dewar K, Hattersley AT, Wang R, Wilson ME, Johnson JD, Polychronakos C, German MS. Rfx6 directs islet formation and insulin production in mice and humans. *Nature*. 2010 Feb 11; 463(7282):775-80. PubMed PMID: 20148032; PubMed Central PMCID: [PMC2896718](#).

Senou M, Khalifa C, Thimmesch M, Jouret F, Devuyst O, Col V, Audinot JN, Lipnik P, Moreno JC, Van Sande J, Dumont JE, Many MC, Colin IM, Gérard AC. A coherent organization of differentiation proteins is required to maintain an appropriate thyroid function in the Pendred thyroid. *J Clin Endocrinol Metab*. 2010 Aug;95(8):4021-30. Epub 2010 May 25. PubMed PMID: [20501687](#).

Song Y, Massart C, Chico-Galdo V, Jin L, De Maertelaer V, Decoster C, Dumont JE, Van Sande J. Species specific thyroid signal transduction: conserved physiology, divergent mechanisms. *Mol Cell Endocrinol*. 2010 May 5;319(1-2):56-62. Epub 2010 Jan 28. PubMed PMID: [20109522](#).

Stoppa-Vaucher S, Lapointe A, Turpin S, Rydlewski C, Vassart G, Deladoëy J. Ectopic thyroid gland causing dysphonia: imaging and molecular studies. *J Clin Endocrinol Metab*. 2010 Oct;95(10):4509-10. PubMed PMID: [20926539](#).

Thakur S, Du J, Hourani S, Ledent C, Li JM. Inactivation of adenosine A2A receptor attenuates basal and angiotensin II-induced ROS production by Nox2 in endothelial cells. *J Biol Chem*. 2010 Dec 17;285(51):40104-13. Epub 2010 Oct 12. PubMed PMID: 20940302; PubMed Central PMCID: [PMC3000993](#).

Tiotiu D, Alvaro Mercadal B, Imbert R, Verbist J, Demeestere I, De Leener A, Englert Y, Vassart G, Costagliola S, Delbaere A. Variants of the BMP15 gene in a cohort of patients with premature ovarian failure. *Hum Reprod*. 2010 Jun;25(6):1581-7. Epub 2010 Apr 3. PubMed PMID: [20364024](#).

Viehl CT, Ochsner A, von Holzen U, Cecini R, Langer I, Guller U, Laffer U, Oertli D, Zuber M. Inadequate quality of surveillance after curative surgery for colon cancer. *Ann Surg Oncol*. 2010 Oct;17(10):2663-9. Epub 2010 Apr 29. PubMed PMID: [20429036](#).

Vanderstocken G, Bondue B, Horckmans M, Di Pietrantonio L, Robaye B, Boeynaems JM, Communi D. P2Y2 receptor regulates VCAM-1 membrane and soluble forms and eosinophil accumulation during lung inflammation. *J Immunol*. 2010 Sep 15;185(6):3702-7. Epub 2010 Aug 18. PubMed PMID: [20720203](#).

Vanderhaeghen P, Cheng HJ. Guidance molecules in axon pruning and cell death. *Cold Spring Harb Perspect Biol*. 2010 Jun 1;2(6):a001859. Epub 2010 Apr 21. Review. PubMed PMID: 20516131; PubMed Central PMCID: [PMC2869516](#).

Vassart G. An in vivo demonstration of functional G protein-coupled receptor dimers. *Proc Natl Acad Sci U S A*. 2010 Feb 2;107(5):1819-20. Epub 2010 Feb 1. PubMed PMID: 20133832; PubMed Central PMCID: [PMC2836705](#).

Youssef KK, Van Keymeulen A, Lapouge G, Beck B, Michaux C, Achouri Y, Sotiropoulou PA, Blanpain C. Identification of the cell lineage at the origin of basal cell carcinoma. *Nat Cell Biol*. 2010 Mar;12(3):299-305. Epub 2010 Feb 14. PubMed PMID: [20154679](#).

Zhang H, He J, Kutateladze TG, Sakai T, Sasaki T, Markadiou N, Erneux C, Prestwich GD. 5-Stabilized phosphatidylinositol 3,4,5-trisphosphate analogues bind Grp1 PH, inhibit phosphoinositide phosphatases, and block neutrophil migration. *ChemBiochem*. 2010 Feb 15;11(3):388-95. PubMed PMID: [20052709](#).

## 2009

Ghisdal L, Baron C, Le Meur Y, Lionet A, Halimi JM, Rerolle JP, Glowacki F, Lebranchu Y, Drouet M, Noël C, El Housni H, Cochaux P, Wissing KM, Abramowicz D, Abramowicz M. TCF7L2 polymorphism associates with new-onset diabetes after transplantation. *J Am Soc Nephrol*. 2009 Nov;20(11):2459-67. Epub 2009 Aug 27. PubMed PMID: 19713311; PubMed Central PMCID: [PMC2799180](#).

Albanesi C, Scarponi C, Pallotta S, Daniele R, Bosisio D, Madonna S, Fortugno P, Gonzalvo-Feo S, Franssen JD, Parmentier M, De Pità O, Girolomoni G, Sozzani S. Chemerin expression marks early psoriatic skin lesions and correlates with plasmacytoid dendritic cell recruitment. *J Exp Med*. 2009 Jan 16;206(1):249-58. Epub 2008 Dec 29. PubMed PMID: 19114666; PubMed Central PMCID: [PMC2626680](#).

Azdad K, Gall D, Woods AS, Ledent C, Ferré S, Schiffmann SN. Dopamine D2 and adenosine A2A receptors regulate NMDA-mediated excitation in accumbens neurons through A2A-D2 receptor heteromerization. *Neuropsychopharmacology*. 2009 Mar;34(4):972-86. Epub 2008 Sep 17. PubMed PMID: [18800071](#).

Baup D, Fraga L, Pernot E, Van Acker A, Vanherck AS, Breckpot K, Thielemans K, Schurmans S, Moser M, Leo O. Variegation and silencing in a lentiviral-based murine transgenic model. *Transgenic Res*. 2009 Aug 23. [Epub ahead of print] PubMed PMID: [19701794](#).

Baup D, Moser M, Schurmans S, Leo O. Developmental regulation of the composite CAG promoter activity in the murine T lymphocyte cell lineage. *Genesis*. 2009 Dec; 47(12):799-804. PubMed PMID: [19830820](#).

Bielas SL, Silhavy JL, Brancati F, Kisseleva MV, Al-Gazali L, Sztriha L, Bayoumi RA, Zaki MS, Abdel-Aleem A, Rosti RO, Kayserili H, Swistun D, Scott LC, Bertini E, Boltshauser E, Fazzi E, Travaglini L, Field SJ, Gayral S, Jacoby M, Schurmans S, Dallapiccola B, Majerus PW, Valente EM, Gleeson JG. Mutations in INPP5E, encoding inositol polyphosphate-5-phosphatase E, link phosphatidyl inositol signaling to the ciliopathies. *Nat Genet*. 2009 Sep;41(9):1032-6. Epub 2009 Aug 9. PubMed PMID: 19668216; PubMed Central PMCID: [PMC2746682](#).

Blanpain C, Fuchs E. Epidermal homeostasis: a balancing act of stem cells in the skin. *Nat Rev Mol Cell Biol*. 2009 Mar;10(3):207-17. Epub 2009 Feb 11. Review. PubMed PMID: 19209183; PubMed Central PMCID: [PMC2760218](#).

Corvilain B, Vandemeulebroucke E, Keymeulen B, Decochez K, Weets I, De Block C, Féry F, Van de Velde U, Vermeulen I, De Pauw P, Mathieu C, Pipeleers DG, Gorus FK; Belgian Diabetes Registry. Hyperglycaemic clamp test for diabetes risk assessment in IA-2-antibody-positive relatives of type 1 diabetic patients. *Diabetologia*. 2010 Jan;53(1):36-44. Epub 2009 Nov 7. PubMed PMID: [19898832](#).

Heureux M, De Wilde JP, Stallenberg B, Corvilain B, del Marmol V. [What is the management for foot ulcers in diabetic patients?]. *Rev Med Brux*. 2009 Jan-Feb;30(1):29-35. French. PubMed PMID: [19353940](#).

Arvanitakis M, Hookey L, Tessier G, Demetter P, Nagy N, Stellke A, De Maertelaer V, Devière J, Le Moine O. Intraductal optical coherence tomography during endoscopic retrograde cholangiopancreatography for investigation of biliary strictures. *Endoscopy*. 2009 Aug;41(8):696-701. Epub 2009 Jul 17. PubMed PMID: [19618343](#).

Charezinski M, Balon-Perin A, Deroux E, De Maertelaer V, Glineur R. Transverse maxillary stability assisted by a transpalatal device: a retrospective pilot study of 9 cases. *Int J Oral Maxillofac Surg*. 2009 Sep;38(9):937-41. Epub 2009 May 14. PubMed PMID: [19446437](#).

Hinsenkamp M, Mathieu F, Claus W, Collard JF, de Maertelaer V. Effects of physical environment on the evolution of Kashin-Beck disease in Tibet. *Int Orthop*. 2009 Aug;33(4):1085-8. Epub 2009 Mar 17. PubMed PMID: 19301003; PubMed Central PMCID: [PMC2898978](#).

Deneubourg L, Vanderwinden JM, Erneux C. Regulation of SHIP2 function through plasma membrane interaction. *Adv Enzyme Regul*. 2009 Nov 4. [Epub ahead of print] PubMed PMID: [19895833](#).

Di Virgilio F, Boeynaems JM, Robson SC. Extracellular nucleotides as negative modulators of immunity. *Curr Opin Pharmacol*. 2009 Aug;9(4):507-13. Epub 2009 Jul 21. Review. PubMed PMID: [19628431](#).

Drossos K, Rimmelink M, Nagy N, de Maertelaer V, Pasteels JL, Schuind F. Correlations between clinical presentations of adult trigger digits and histologic aspects of the A1 pulley. *J Hand Surg Am*. 2009 Oct;34(8):1429-35. Epub 2009 Aug 20. PubMed PMID: [19695796](#).

Allaoui A, Botteaux A, Dumont JE, Hoste C, De Deken X. Dual oxidases and hydrogen peroxide in a complex dialogue between host mucosae and bacteria. *Trends Mol Med*. 2009 Dec;15(12):571-9. Epub 2009 Nov 11. PubMed PMID: [19913458](#).

Zwaenepoel K, Goris J, Erneux C, Parker PJ, Janssens V. Protein phosphatase 2A PR130/B $\alpha$ 1 subunit binds to the SH2 domain-containing inositol polyphosphate 5-phosphatase 2 and prevents epidermal growth factor (EGF)-induced EGF receptor degradation sustaining EGF-mediated signaling. *FASEB J*. 2010 Feb;24(2):538-47. Epub 2009 Oct 13. PubMed PMID: [19825976](#).

Francisse S, Revelard P, De Maertelaer V, Strebelle E, Englert Y, Liesnard C. Human cytomegalovirus seroprevalence and risk of seroconversion in a fertility clinic population. *Obstet Gynecol*. 2009 Aug;114(2 Pt 1):285-91. PubMed PMID: [19622989](#).

Gankam Kengne F, Vokaer M, Fery P, Abramowicz M, Massat I, Van den Broeck M, Van Broeckhoven C, Bier JC. Pure progressive amnesia as variant of genetically proven Alzheimer disease. *Eur J Neurol*. 2009 Feb;16(2):e9-10. PubMed PMID: [19146634](#).

Ghaye B, Willems V, Nchimi A, Kouokam L, Noukoua C, De Maertelaer V, Gevenois PA, Dondelinger RF. Relationship between the extent of deep venous thrombosis and the extent of acute pulmonary embolism as assessed by CT angiography. *Br J Radiol*. 2009 Mar;82(975):198-203. Epub 2009 Feb 2. PubMed PMID: [19188241](#).

Ghisdal L, Broeders N, Wissing KM, Saidi A, Bensalem T, Mbaba Mena J, Lemy A, Wijns W, Pradier O, Hoang AD, Mikhalski D, Donckier V, Cochaux P, El Housni H, Abramowicz M, Vereerstraeten P, Abramowicz D. Thrombophilic Factors Do Not Predict Outcomes in Renal Transplant Recipients Under Prophylactic Acetylsalicylic Acid. *Am J Transplant*. 2009 Oct 21. [Epub ahead of print] PubMed PMID: [19845577](#).

Gonzalez-Merino E, Zengbe V, Vannin AS, Place I, Bostan A, Emiliani S, Liesnard C, Goffard JC, Abramowicz M, Englert Y. Preimplantation genetic diagnosis in an HIV-serodiscordant couple carrier for sickle cell disease: lessons from a case report. *Clin Genet*. 2009 Mar;75(3):277-81. Epub 2008 Nov 21. PubMed PMID: [19054017](#).

Jacoby M, Cox JJ, Gayral S, Hampshire DJ, Ayub M, Blockmans M, Pernot E, Kisseleva MV, Compère P, Schiffmann SN, Gergely F, Riley JH, Pérez-Morga D, Woods CG, Schurmans S. INPP5E mutations cause primary cilium signaling defects, ciliary instability and ciliopathies in human and mouse. *Nat Genet.* 2009 Sep;41(9):1027-31. Epub 2009 Aug 9. PubMed PMID: [19668215](#).

Kauffenstein G, Drouin A, Thorin-Trescases N, Bachelard H, Robaye B, D'Orléans-Juste P, Marceau F, Thorin E, Sévigny J. NTPDase1 (CD39) controls nucleotide-dependent vasoconstriction in mouse. *Cardiovasc Res.* 2010 Jan 1;85(1):204-13. Epub . PubMed PMID: [19640930](#).

Keyzer C, Cullus P, Tack D, De Maertelaer V, Bohy P, Gevenois PA. MDCT for suspected acute appendicitis in adults: impact of oral and IV contrast media at standard-dose and simulated low-dose techniques. *AJR Am J Roentgenol.* 2009 Nov;193(5):1272-81. PubMed PMID: [19843741](#).

Langer I, Guller U, Viehl CT, Moch H, Wight E, Harder F, Oertli D, Zuber M. Axillary lymph node dissection for sentinel lymph node micrometastases may be safely omitted in early-stage breast cancer patients: long-term outcomes of a prospective study. *Ann Surg Oncol.* 2009 Dec;16(12):3366-74. Epub 2009 Sep 4. PubMed PMID: [19760047](#).

Langer I, Krpata D, Fitz WJ, Wenzel WW, Schweiger PF. Zinc accumulation potential and toxicity threshold determined for a metal-accumulating *Populus canescens* clone in a dose-response study. *Environ Pollut.* 2009 Oct;157(10):2871-7. Epub 2009 May 14. PubMed PMID: [19446384](#).

Langer I, Muller S, Zalunardo MP, Hubner M, Clavien PA, Demartines N; Zurich Fast Track Study Group. A fast-track program reduces complications and length of hospital stay after open colonic surgery. *Gastroenterology.* 2009 Mar;136(3):842-7. Epub 2008 Nov 1. PubMed PMID: [19135997](#).

Langer I, Tikhonova IG, Boulègue C, Estève JP, Vatinel S, Ferrand A, Moroder L, Robberecht P, Fourmy D. Evidence for a direct and functional interaction between the regulators of G protein signaling-2 and phosphorylated C terminus of cholecystinin-2 receptor. *Mol Pharmacol.* 2009 Mar;75(3):502-13. Epub 2008 Dec 8. PubMed PMID: [19064631](#).

Langer I, Guller U, Hsu-Schmitz SF, Ladewig A, Viehl CT, Moch H, Wight E, Harder F, Oertli D, Zuber M. Sentinel lymph node biopsy is associated with improved survival compared to level I & II axillary lymph node dissection in node negative breast cancer patients. *Eur J Surg Oncol.* 2009 Aug;35(8):805-13. Epub 2008 Nov 28. PubMed PMID: [19046846](#).

Krpata D, Fitz W, Peintner U, Langer I, Schweiger P. Bioconcentration of zinc and cadmium in ectomycorrhizal fungi and associated aspen trees as affected by level of pollution. *Environ Pollut.* 2009 Jan;157(1):280-6. Epub 2008 Aug 15. PubMed PMID: [18706745](#).

Cobellis G, Ricci G, Cacciola G, Orlando P, Petrosino S, Cascio MG, Bisogno T, De Petrocellis L, Chioccarelli T, Altucci L, Fasano S, Meccariello R, Pierantoni R, Ledent C, Di Marzo V. A gradient of 2-arachidonoylglycerol regulates mouse epididymal sperm cell start-up. *Biol Reprod.* 2010 Feb;82(2):451-8. Epub 2009 Oct 7. PubMed PMID: [19812302](#).

Ponnoth DS, Sanjani MS, Ledent C, Roush K, Krahn T, Mustafa SJ. Absence of adenosine-mediated aortic relaxation in A(2A) adenosine receptor knockout mice. *Am J Physiol Heart Circ Physiol.* 2009 Nov;297(5):H1655-60. Epub 2009 Sep 11. PubMed PMID: 19749167; PubMed Central PMCID: [PMC2781374](#).

Tebano MT, Martire A, Chiodi V, Pepponi R, Ferrante A, Domenici MR, Frank C, Chen JF, Ledent C, Popoli P. Adenosine A2A receptors enable the synaptic effects of cannabinoid CB1 receptors in the rodent striatum. *J Neurochem*. 2009 Sep;110(6):1921-30. Epub 2009 Jul 17. PubMed PMID: [19627447](#).

Hegy Z, Kis G, Holló K, Ledent C, Antal M. Neuronal and glial localization of the cannabinoid-1 receptor in the superficial spinal dorsal horn of the rodent spinal cord. *Eur J Neurosci*. 2009 Jul;30(2):251-62. Epub 2009 Jul 15. PubMed PMID: [19614976](#).

Nadeem A, Ponnoth DS, Ansari HR, Batchelor TP, Dey RD, Ledent C, Mustafa SJ. A2A adenosine receptor deficiency leads to impaired tracheal relaxation via NADPH oxidase pathway in allergic mice. *J Pharmacol Exp Ther*. 2009 Jul;330(1):99-108. Epub 2009 Apr 24. PubMed PMID: 19395654; PubMed Central PMCID: [PMC2700162](#).

Aso E, Renoir T, Mengod G, Ledent C, Hamon M, Maldonado R, Lanfumey L, Valverde O. Lack of CB1 receptor activity impairs serotonergic negative feedback. *J Neurochem*. 2009 May;109(3):935-44. Epub 2009 Mar 3. PubMed PMID: [19302195](#).

Leroy K, Ando K, Héraud C, Yilmaz Z, Authelet M, Boeynaems JM, Buée L, De Decker R, Brion JP. Lithium Treatment Arrests the Development of Neurofibrillary Tangles in Mutant Tau Transgenic Mice with Advanced Neurofibrillary Pathology. *J Alzheimers Dis*. 2009 Nov 17. [Epub ahead of print] PubMed PMID: [19920318](#).

Gromova P, Ralea S, Lefort A, Libert F, Rubin BP, Erneux C, Vanderwinden JM. Kit K641E oncogene up-regulates Sprouty homolog 4 and trophoblast glycoprotein in interstitial cells of Cajal in a murine model of gastrointestinal stromal tumours. *J Cell Mol Med*. 2009 Aug;13(8A):1536-48. Epub 2009 May 19. PubMed PMID: [19453770](#).

Dessars B, De Raeve LE, Morandini R, Lefort A, El Housni H, Ghanem GE, Van den Eynde BJ, Ma W, Roseeuw D, Vassart G, Libert F, Heimann P. Genotypic and gene expression studies in congenital melanocytic nevi: insight into initial steps of melanotumorigenesis. *J Invest Dermatol.* 2009 Jan;129(1):139-47. Epub 2008 Jul 17. PubMed PMID: [18633438](#).

Maenhaut C, Dumont JE, Roger P, van Staveren WC. Cancer Stem Cells : A Reality, A Myth, A Fuzzy Concept or A Misnomer ? An Analysis. *Carcinogenesis.* 2009 Oct 25. [Epub ahead of print] PubMed PMID: [19858069](#).

Markadieu N, Crutzen R, Boom A, Erneux C, Beauwens R. Inhibition of insulin-stimulated hydrogen peroxide production prevents stimulation of sodium transport in A6 cell monolayers. *Am J Physiol Renal Physiol.* 2009 Jun;296(6):F1428-38. Epub 2009 Mar 18. PubMed PMID: [19297450](#).

Martinovici D, Ransy V, Serge Eijnden V, Ridremont C, Pardou A, Cassart M, Avni F, Donner C, Lingier P, Mathieu A, Gulbis B, De Brouckère V, Cnop M, Abramowicz M, Désir J. Neonatal hemochromatosis and Martinez-Frias syndrome of intestinal atresia and diabetes mellitus in a consanguineous newborn. *Eur J Med Genet.* 2009 Nov 1. [Epub ahead of print] PubMed PMID: [19887127](#).

Mato S, Alberdi E, Ledent C, Watanabe M, Matute C. CB1 cannabinoid receptor-dependent and -independent inhibition of depolarization-induced calcium influx in oligodendrocytes. *Glia.* 2009 Feb;57(3):295-306. PubMed PMID: [18814177](#).

Meis S, Hamacher A, Hongwiset D, Marzian C, Wiese M, Eckstein N, Royer HD, Communi D, Boeynaems JM, Hausmann R, Schmalzing G, Kassack MU. NF546 [4,4'-(carbonylbis(imino-3,1-phenylene-carbonylimino-3,1-(4-methyl-phenylene)-carbonylimino))-bis(1,3-xylene-alpha,alpha'-diphosphonic acid) tetrasodium salt] is a non-nucleotide P2Y11 agonist and stimulates release of interleukin-8 from human monocyte-derived dendritic cells. *J Pharmacol Exp Ther.* 2010 Jan;332(1):238-47. Epub 2009 Oct 8. PubMed PMID: [19815812](#).

Murikinati S, Jüttler E, Keinert T, Ridder DA, Muhammad S, Waibler Z, Ledent C, Zimmer A, Kalinke U, Schwaninger M. Activation of cannabinoid 2 receptors protects against cerebral ischemia by inhibiting neutrophil recruitment. *FASEB J.* 2009 Nov 2. [Epub ahead of print] PubMed PMID: [19884325](#).

Nosedá A, André S, Potmans V, Kentos M, de Maertelaer V, Hoffmann G. CPAP with algorithm-based versus titrated pressure: A randomized study. *Sleep Med.* 2009 Oct;10(9):988-92. Epub 2009 Feb 18. PubMed PMID: [19230758](#).

Luangsay S, Wittamer V, Bondue B, De Henau O, Rouger L, Brait M, Franssen JD, de Nadai P, Huaux F, Parmentier M. Mouse ChemR23 is expressed in dendritic cell subsets and macrophages, and mediates an anti-inflammatory activity of chemerin in a lung disease model. *J Immunol.* 2009 Nov 15;183(10):6489-99. Epub 2009 Oct 19. PubMed PMID: [19841182](#).

Mitri C, Soustelle L, Framery B, Bockaert J, Parmentier ML, Grau Y. Plant insecticide L-canavanine repels *Drosophila* via the insect orphan GPCR DmX. *PLoS Biol.* 2009 Jun 30;7(6):e1000147. Epub 2009 Jun 30. PubMed PMID: 19564899; PubMed Central PMCID: [PMC2695807](#).

El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Adenosine A2A receptor deficient mice are partially resistant to limbic seizures. *Naunyn Schmiedeberg's Arch*

Pharmacol. 2009 Sep;380(3):223-32. Epub 2009 Jun 2. PubMed PMID: [19488739](#).

Devosse T, Guillabert A, D'Haene N, Berton A, De Nadai P, Noel S, Brait M, Franssen JD, Sozzani S, Salmon I, Parmentier M. Formyl peptide receptor-like 2 is expressed and functional in plasmacytoid dendritic cells, tissue-specific macrophage subpopulations, and eosinophils. *J Immunol*. 2009 Apr 15;182(8):4974-84. PubMed PMID: [19342677](#).

Pérez-Rial S, García-Gutiérrez MS, Molina JA, Pérez-Nievas BG, Ledent C, Leiva C, Leza JC, Manzanares J. Increased vulnerability to 6-hydroxydopamine lesion and reduced development of dyskinesias in mice lacking CB1 cannabinoid receptors. *Neurobiol Aging*. 2009 May 4. [Epub ahead of print] PubMed PMID: [19419794](#).

Poirel HA, Cairo MS, Heerema NA, Swansbury J, Aupérin A, Launay E, Sanger WG, Talley P, Perkins SL, Raphaël M, McCarthy K, Sposto R, Gerrard M, Bernheim A, Patte C; FAB/LMB 96 International Study Committee. Specific cytogenetic abnormalities are associated with a significantly inferior outcome in children and adolescents with mature B-cell non-Hodgkin's lymphoma: results of the FAB/LMB 96 international study. *Leukemia*. 2009 Feb;23(2):323-31. Epub 2008 Nov 20. PubMed PMID: [19020548](#).

De Schutter J, Guillabert A, Imbault V, Degraef C, Erneux C, Communi D, Pirson I. SHIP2 (SH2 domain-containing inositol phosphatase 2) SH2 domain negatively controls SHIP2 monoubiquitination in response to epidermal growth factor. *J Biol Chem*. 2009 Dec 25;284(52):36062-76. Epub 2009 Oct 30. PubMed PMID: [19880507](#); PubMed Central PMCID: PMC2794722.

Onnockx S, Xie J, Degraef C, Erneux C, Pirson I. Insulin increase in MAP kinase phosphorylation is shifted to early time-points by overexpressing APS, while Akt phosphorylation is not influenced. *Exp Cell Res*. 2009 Sep 10;315(15):2479-86. Epub 2009 Jun 13. PubMed PMID: [19527711](#).

Montagut G, Onnockx S, Vaqué M, Bladé C, Blay M, Fernández-Larrea J, Pujadas G, Salvadó MJ, Arola L, Pirson I, Ardévol A, Pinent M. Oligomers of grape-seed procyanidin extract activate the insulin receptor and key targets of the insulin signaling pathway differently from insulin. *J Nutr Biochem*. 2010 Jun;21(6):476-81. Epub 2009 May 14. PubMed PMID: [19443198](#).

Relvas LJ, Bouffieux C, Marcet B, Communi D, Makhoul M, Horckmans M, Blero D, Bruyns C, Caspers L, Boeynaems JM, Willermain F. Extracellular nucleotides and interleukin-8 production by ARPE cells: potential role of danger signals in blood-retinal barrier activation. *Invest Ophthalmol Vis Sci*. 2009 Mar;50(3):1241-6. Epub 2008 Nov 21. PubMed PMID: [19029040](#).

Rigutto S, Hoste C, Grasberger H, Milenkovic M, Communi D, Dumont JE, Corvilain B, Miot F, De Deken X. Activation of dual oxidases Duox1 and Duox2: differential regulation mediated by camp-dependent protein kinase and protein kinase C-dependent phosphorylation. *J Biol Chem*. 2009 Mar 13;284(11):6725-34. Epub 2009 Jan 14. PubMed PMID: 19144650; PubMed Central PMCID: [PMC2652333](#).

Roger PP, van Staveren WC, Coulonval K, Dumont JE, Maenhaut C. Signal transduction in the human thyrocyte and its perversion in thyroid tumors. *Mol Cell Endocrinol*. 2009 Dec 3. [Epub ahead of print] PubMed PMID: [19962425](#).

Mangé A, Chaurand P, Perrochia H, Roger P, Caprioli RM, Solassol J. Liquid chromatography-tandem and MALDI imaging mass spectrometry analyses of RCL2/CS100-fixed, paraffin-embedded tissues: proteomics evaluation of an alternate fixative for biomarker discovery. *J*

Proteome Res. 2009 Dec;8 (12):5619-28. PubMed PMID: 19856998; PubMed Central PMCID: [PMC2924679](#).

Perrochia H, Rubay R, Gaujoux AF, Chapuis H, Lavabre-Bertrand T, Roger P. [An unusual tumor of the endometrium]. *Ann Pathol*. 2009 Jun; 29(3):255-7. Epub 2009 Jun 12. French. PubMed PMID: [19619838](#).

Stoebner PE, Fabre C, Delfour C, Joujoux JM, Roger P, Dandurand M, Meunier L. Solitary subungual keratoacanthoma arising in an MSH2 germline mutation carrier: confirmation of a relationship by immunohistochemical analysis. *Dermatology*. 2009; 219(2):174-8. Epub 2009 Jul 14. PubMed PMID: [19602866](#).

Bockstaele L, Bisteau X, Paternot S, Roger PP. Differential regulation of cyclin-dependent kinase 4 (CDK4) and CDK6, evidence that CDK4 might not be activated by CDK7, and design of a CDK6 activating mutation. *Mol Cell Biol*. 2009 Aug; 29(15):4188-200. Epub 2009 Jun 1. PubMed PMID: 19487459; PubMed Central PMCID: [PMC2715811](#).

Johnson-Greene D, McCaul ME, Roger P. Screening for hazardous drinking using the Michigan Alcohol Screening Test-Geriatric Version (MAST-G) in elderly persons with acute cerebrovascular accidents. *Alcohol Clin Exp Res*. 2009 Sep; 33(9):1555-61. Epub 2009 May 26. PubMed PMID: [19485968](#).

Paternot S, Roger PP. Combined inhibition of MEK and mammalian target of rapamycin abolishes phosphorylation of cyclin-dependent kinase 4 in glioblastoma cell lines and prevents their proliferation. *Cancer Res*. 2009 Jun 1; 69(11):4577-81. Epub 2009 May 19. PubMed PMID: [19458076](#).

Roger P. Reduction in VLA services. *Vet Rec*. 2009 Feb 28;164(9):282. PubMed PMID: [19252220](#).

Dechamps A, Gatta B, Bourdel-Marchasson I, Tabarin A, Roger P. Pilot study of a 10-week multidisciplinary Tai Chi intervention in sedentary obese women. *Clin J Sport Med*. 2009 Jan;19(1):49-53. PubMed PMID: [19124984](#)

Sohy D, Yano H, de Nadai P, Urizar E, Guillabert A, Javitch JA, Parmentier M, Springael JY. Hetero-oligomerization of CCR2, CCR5, and CXCR4 and the protean effects of "selective" antagonists. *J Biol Chem*. 2009 Nov 6;284(45):31270-9. Epub 2009 Sep 15. PubMed PMID: 19758998; PubMed Central PMCID: [PMC2781525](#).

Song Y, Ruf J, Lothaire P, Dequanter D, Andry G, Willemse E, Dumont JE, Van Sande J, De Deken X. Association of Duoxes with Thyroid Peroxidase and Its Regulation in Thyrocytes. *J Clin Endocrinol Metab.* 2009 Dec 1. [Epub ahead of print] PubMed PMID: [19952225](#).

Richter R, Casarosa P, Ständker L, Münch J, Springael JY, Nijmeijer S, Forssmann WG, Vischer HF, Vakili J, Dethoux M, Parmentier M, Leurs R, Smit MJ. Significance of N-terminal proteolysis of CCL14a to activity on the chemokine receptors CCR1 and CCR5 and the human cytomegalovirus-encoded chemokine receptor US28. *J Immunol.* 2009 Jul 15;183(2):1229-37. Epub 2009 Jun 24. PubMed PMID: [19553544](#).

Stamatopoulos B, Meuleman N, Haibe-Kains B, Saussoy P, Van Den Neste E, Michaux L, Heimann P, Martiat P, Bron D, Lagneaux L. microRNA-29c and microRNA-223 down-regulation has in vivo significance in chronic lymphocytic leukemia and improves disease risk stratification. *Blood.* 2009 May 21;113(21):5237-45. Epub 2009 Jan 14. PubMed PMID: [19144983](#).

Struyf S, Noppen S, Loos T, Mortier A, Gouwy M, Verbeke H, Huskens D, Luangsay S, Parmentier M, Geboes K, Schols D, Van Damme J, Proost P. Citrullination of CXCL12 differentially reduces CXCR4 and CXCR7 binding with loss of inflammatory and anti-HIV-1 activity via CXCR4. *J Immunol.* 2009 182(1):[666-74](#).

Thiemann G, Watt CA, Ledent C, Molleman A, Hasenöhrl RU. Modulation of anxiety by acute blockade and genetic deletion of the CB(1) cannabinoid receptor in mice together with biogenic amine changes in the forebrain. *Behav Brain Res.* 2009 Jun 8;200(1):60-7. Epub 2009 Jan 8. PubMed PMID: [19162082](#).

Van Keymeulen A, Mascre G, Youseff KK, Harel I, Michaux C, De Geest N, Szpalski C, Achouri Y, Bloch W, Hassan BA, Blanpain C. Epidermal progenitors give rise to Merkel cells during embryonic development and adult homeostasis. *J Cell Biol.* 2009 Oct 5;187(1):91-100. Epub 2009 Sep 28. PubMed PMID: 19786578; PubMed Central PMCID: [PMC2762088](#).

Driessens N, Versteyhe S, Ghaddhab C, Burniat A, De Deken X, Van Sande J, Dumont JE, Miot F, Corvilain B. Hydrogen peroxide induces DNA single- and double-strand breaks in thyroid cells and is therefore a potential mutagen for this organ. *Endocr Relat Cancer.* 2009 Sep;16(3):845-56. Epub 2009 Jun 9. PubMed PMID: [19509065](#).

Senou M, Costa MJ, Massart C, Thimmesch M, Khalifa C, Poncin S, Boucquey M, Gérard AC, Audinot JN, Dessy C, Ruf J, Feron O, Devuyst O, Guiot Y, Dumont JE, Van Sande J, Many MC. Role of caveolin-1 in thyroid phenotype, cell homeostasis, and hormone synthesis: in vivo study of caveolin-1 knockout mice. *Am J Physiol Endocrinol Metab.* 2009 Aug;297(2):E438-51. Epub 2009 May 12. PubMed PMID: [19435853](#).

Hébrant A, Van Sande J, Roger PP, Patey M, Klein M, Bournaud C, Savagner F, Leclère J, Dumont JE, van Staveren WC, Maenhaut C. Thyroid gene expression in familial nonautoimmune hyperthyroidism shows common characteristics with hyperfunctioning autonomous adenomas. *J Clin Endocrinol Metab.* 2009 Jul; 94(7):2602-9. Epub 2009 Apr 21. PubMed PMID: [19383781](#).

Botteaux A, Hoste C, Dumont JE, Van Sande J, Allaoui A. Potential role of Noxes in the protection of mucosae: H<sub>2</sub>O<sub>2</sub> as a bacterial repellent. *Microbes Infect.* 2009 Apr;11(5):537-44. Epub 2009 Mar 17. PubMed PMID: [19298864](#).

van Staveren WC, Solís DY, Hébrant A, Detours V, Dumont JE, Maenhaut C. Human cancer

cell lines: Experimental models for cancer cells in situ? For cancer stem cells? *Biochim Biophys Acta*. 2009 Apr; 1795(2):92-103. Epub 2009 Jan 8. Review. PubMed PMID: [19167460](#).

Hick AC, van Eyll JM, Cordi S, Forez C, Passante L, Kohara H, Nagasawa T, Vanderhaeghen P, Courtoy PJ, Rousseau GG, Lemaigre FP, Pierreux CE. Mechanism of primitive duct formation in the pancreas and submandibular glands: a role for SDF-1. *BMC Dev Biol*. 2009 Dec 14;9:66. PubMed PMID: 20003423; PubMed Central PMCID: [PMC2801489](#).

Gaspard N, Bouschet T, Herpoel A, Naeije G, van den Aemele J, Vanderhaeghen P. Generation of cortical neurons from mouse embryonic stem cells. *Nat Protoc*. 2009;4(10):1454-63. Epub 2009 Sep 17. PubMed PMID: [19798080](#).

Vanderhaeghen P. Wnts blow on NeuroD1 to promote adult neuron production and diversity. *Nat Neurosci*. 2009 Sep;12(9):1079-81. PubMed PMID: [19710645](#).

Gaspard N, Gaillard A, Vanderhaeghen P. Making cortex in a dish: in vitro corticogenesis from embryonic stem cells. *Cell Cycle*. 2009 Aug 15;8(16):2491-6. Epub 2009 Aug 15. Review. PubMed PMID: [19597331](#).

Deleu S, Gonzalez-Merino E, Gaspard N, Nguyen TM, Vanderhaeghen P, Lagneaux L, Toungouz M, Englert Y, Devreker F. Human cystic fibrosis embryonic stem cell lines derived on placental mesenchymal stromal cells. *Reprod Biomed Online*. 2009 May;18(5):704-16. PubMed PMID: [19549452](#).

van Vliet G, Vassart G. Monozygotic twins are generally discordant for congenital hypothyroidism from thyroid dysgenesis. *Horm Res*. 2009;72(5):320. Epub 2009 Oct 19. PubMed PMID: [19844119](#).

Vassart G. Omissions and misquotations: rewriting history. *Endocr Pract*. 2009 May-Jun; 15(4):383-4; author reply 384-5. PubMed PMID: [19507306](#).

Garcia MI, Ghiani M, Lefort A, Libert F, Strollo S, Vassart G. LGR5 deficiency deregulates Wnt signaling and leads to precocious Paneth cell differentiation in the fetal intestine. *Dev Biol*. 2009 Jul 1; 331(1):58-67. Epub 2009 Apr 24. PubMed PMID: [19394326](#).

Lambot MA, Mendive F, Laurent P, Van Schoore G, Noël JC, Vanderhaeghen P, Vassart G. Three-dimensional reconstruction of efferent ducts in wild-type and *Lgr4* knock-out mice. *Anat Rec (Hoboken)*. 2009 Apr;292(4):595-603. PubMed PMID: [19301269](#).

Valverde O, Célérier E, Baranyi M, Vanderhaeghen P, Maldonado R, Sperlagh B, Vassart G, Ledent C. GPR3 receptor, a novel actor in the emotional-like responses. *PLoS One*. 2009;4(3):e4704. Epub 2009 Mar 4. PubMed PMID: [19259266](#); PubMed Central PMCID: PMC2649507.

Maquet E, Costagliola S, Parma J, Christophe-Hobertus C, Oligny LL, Fournet JC, Robitaille Y, Vuissoz JM, Payot A, Laberge S, Vassart G, Van Vliet G, Deladoëy J. Lethal respiratory failure and mild primary hypothyroidism in a term girl with a de novo heterozygous mutation in the TITF1/NKX2.1 gene. *J Clin Endocrinol Metab.* 2009 Jan;94(1):197-203. Epub 2008 Oct 28. PubMed PMID: [18957494](#).

Ye RD, Boulay F, Wang JM, Dahlgren C, Gerard C, Parmentier M, Serhan CN, Murphy PM. International Union of Basic and Clinical Pharmacology. LXXIII. Nomenclature for the formyl peptide receptor (FPR) family. *Pharmacol Rev.* 2009 Jun;61(2):119-61. Epub 2009 Jun 4. Review. PubMed PMID: [19498085](#); PubMed Central

## 2008

Abramowicz M, Hyponatremia and mortality among patients waiting for liver transplantation. *N Engl J Med.* 2008 Dec 11;359(24):2615; author reply 2615. PubMed PMID: [19073986](#)

Desir J, Abramowicz M. Congenital hereditary endothelial dystrophy with progressive sensorineural deafness (Harboyan syndrome). *Orphanet J Rare Dis.* 2008 Oct 15;3:28. Review. PubMed PMID: 18922146; PubMed Central PMCID: [PMC2576053](#).

Akcurin S, Turkkahraman D, Tysoe C, Ellard S, De Leener A, Vassart G, Costagliola S. A family with a novel TSH receptor activating germline mutation (p. [Ala485Val](#)). *Eur J Pediatr* 167, 1231-1237, 2008.

Aso E, Ozaita A, Valdizán EM, Ledent C, Pazos A, Maldonado R, Valverde O. BDNF impairment in the hippocampus is related to enhanced despair behavior in CB1 knockout mice. *J Neurochem* 105, 565-572, 2008.

Balázsa T, Bíró J, Gullai N, Ledent C, Sperlágh B. CB1-cannabinoid receptors are involved in the modulation of non-synaptic [3H]serotonin release from the rat hippocampus. *Neurochem Int* 52, 95-102, 2008.

Bali MA, Metens T, Denolin V, De Maertelaer V, Devière J, Matos C. Pancreatic perfusion: noninvasive quantitative assessment with dynamic contrast-enhanced MR imaging without and with secretin stimulation in healthy volunteers - initial results. *Radiology* 247, 115-121, 2008

Bar I, Guns PJ, Metallo J, Boeynaems JM, Bult H, Robaye B. Knock-out mice reveal a role for P2Y<sub>6</sub> receptor in macrophages, endothelial cells and vascular smooth muscle cells. *Mol Pharmacol* 74, 777-784, 2008.

Bassett JH, Williams AJ, Murphy E, Boyde A, Howell PG, Swinhoe R, Archanco M, Flamant F, Samarut J, Costagliola S, Vassart G, Weiss RE, Refetoff S, Williams GR. A lack of thyroid hormones rather than excess thyrotropin causes abnormal skeletal development in hypothyroidism. *Mol Endocrinol* 22, 501-512, 2008.

Ben Addi A, Lefort A, Hua X, Libert F, Communi D, Ledent C, Macours P, Tilley SL, Boeynaems JM, Robaye B. Modulation of murine dendritic cell function by adenine nucleotides and

adenosine: involvement of the A<sub>2B</sub> receptor. *Eur J Immunol* 38, 1610-1620, 2008.

Bondue A, Lapouge G, Paulissen C, Semeraro C, Iacovino M, Kyba M, Blanpain C. Mesp1 acts as a master regulator of multipotent cardiovascular progenitor specification. *Cell Stem Cell* 3, 69-84, 2008.

Macours P, Aubry JC, Hauquier B, Boeynaems JM, Goldman S, Moreno-Reyes R. Determination of urinary iodine by inductively coupled plasma mass spectrometry. *J Trace Elem Med Biol.* 2008; 22(2):162-5. Epub 2008 Jun 5. PubMed PMID: 18565428.

Brown RM, Short JL, Cowen MS, Ledent C, Lawrence AJ. A differential role for the adenosine A<sub>2A</sub> receptor in opiate reinforcement vs opiate-seeking behavior. *Neuropsychopharmacology*, 34, 844-56, 2008.

Bura SA, Nadal X, Ledent C, Maldonado R, Valverde O. A<sub>2A</sub> adenosine receptor regulates glia proliferation and pain after peripheral nerve injury. *Pain* 140, 95-103, 2008.

Burniat A, Jin L, Detours V, Driessens N, Goffard JC, Santoro M, Rothstein J, Dumont JE, Miot F, Corvilain B. Gene expression in RET/PTC3 and E7 transgenic mouse thyroids: RET/PTC3 but not E7 tumors are partial and transient models of human papillary thyroid cancers. *Endocrinology* 149, 5107-5117, 2008.

Cacciola G, Chioccarelli T, Mackie K, Meccariello R, Ledent C, Fasano S, Pierantoni R, Cobellis G. Expression of type-1 cannabinoid receptor during rat postnatal testicular development: possible involvement in adult leydig cell differentiation. *Biol Reprod* 79, 758-765, 2008.

Caltabiano G, Campillo M, De Leener A, Smits G, Vassart G, Costagliola S, Pardo L. The specificity of binding of glycoprotein hormones to their receptors. *Cell Mol Life Sci* 65, 2484-2492, 2008.

Castañé A, Wells L, Soria G, Hourani S, Ledent C, Kitchen I, Opacka-Juffry J, Maldonado R, Valverde O. Behavioural and biochemical responses to morphine associated with its motivational properties are altered in adenosine A<sub>2A</sub> receptor knockout mice. *Br J Pharmacol* 155, 757-766, 2008.

Christophe-Hobertus C, Christophe D. Identification of a short basic peptide motif able to drive copy-number dependent nuclear accumulation of a linked protein. *Protein Pept Lett.* 2008;15(4):397-401. PubMed PMID: 18473954.

Clermont F, Gonzalez NS, Communi D, Franken S, Dumont JE, Robaye B. HDGF is dephosphorylated during the early steps of endothelial cell apoptosis in a caspase-dependent way. *J Cell Biochem* 104, 1161-1171, 2008.

Ben Addi A, Lefort A, Hua X, Libert F, Communi D, Ledent C, Macours P, Tilley SL, Boeynaems JM, Robaye B. Modulation of murine dendritic cell function by adenine nucleotides and adenosine: involvement of the A<sub>2B</sub> receptor. *Eur J Immunol.* 2008 Jun;38(6):1610-20. PubMed PMID: 18465770.

Guillabert A, Wittamer V, Bondue B, Godot V, Imbault V, Parmentier M, Communi D. Role of neutrophil proteinase 3 and mast cell chymase in chemerin proteolytic regulation. *J Leukoc Biol.* 2008 Dec;84(6):1530-8. Epub 2008 Aug 27. PubMed PMID: 18753310.

Caltabiano G, Campillo M, De Leener A, Smits G, Vassart G, Costagliola S, Pardo L. The

specificity of binding of glycoprotein hormones to their receptors. *Cell Mol Life Sci.* 2008 Aug;65(16):2484-92. Review. PubMed PMID: [18438608](#).

Croxford JL, Pryce G, Jackson SJ, Ledent C, Giovannoni G, Pertwee RG, Yamamura T, Baker D. Cannabinoid-mediated neuroprotection, not immunosuppression, may be more relevant to multiple sclerosis. *J Neuroimmunol* 193, 120-129, 2008.

Csóka B, Himer L, Selmeczy Z, Vizi ES, Pacher P, Ledent C, Deitch EA, Spolarics Z, Németh ZH, Haskó G. Adenosine A2A receptor activation inhibits T helper 1 and T helper 2 cell development and effector function. *FASEB J* 22, 3491-3499, 2008.

De Leener A, Caltabiano G, Erkan S, Idil M, Vassart G, Pardo L, Costagliola S. Identification of the first germline mutation in the extracellular domain of the follitropin receptor responsible for spontaneous ovarian hyperstimulation syndrome. *Hum Mutat* 29, 91-98, 2008.

Decaux G, Soupart A, Vassart G. Non-peptide arginine-vasopressin antagonists: the vaptans. *Lancet* 371, 1624-1632, 2008.

Deladoëy J, Pfarr N, Vuissoz JM, Parma J, Vassart G, Biesterfeld S, Pohlenz J, Van Vliet G. Pseudodominant inheritance of goitrous congenital hypothyroidism caused by TPO mutations: molecular and in silico studies. *J Clin Endocrinol Metab* 93, 627-633, 2008.

Znaidi S, Weber S, Al-Abdin OZ, Bomme P, Saidane S, Drouin S, Lemieux S, De Deken X, Robert F, Raymond M. Genomewide location analysis of *Candida albicans* Upc2p, a regulator of sterol metabolism and azole drug resistance. *Eukaryot Cell.* 2008 May;7(5):836-47. Epub 2008 Apr 4. PubMed PMID: 18390649; PubMed Central PMCID: PMC2394978.

Ehongo A, de Maertelaer V, Cullus P, Pourjavan S. [Correlation between corneal hysteresis, corneal resistance factor, and ocular pulse amplitude in healthy subjects]. *J Fr Ophtalmol.* 2008 Dec;31(10):999-1005. French. PubMed PMID: [19107077](#).

Desir J, Abramowicz M. Congenital hereditary endothelial dystrophy with progressive sensorineural deafness (Harboyan syndrome). *Orphanet J Rare Dis* 3, 28, 2008.

Desir J, Cassart M, David P, Van Bogaert P, Abramowicz M. Primary microcephaly with ASPM mutation shows simplified cortical gyration with antero-posterior gradient pre- and post-natally. *Am J Med Genet A* 146A, 1439-43, 2008.

Detours V, Verstehey S, Dumont JE, Maenhaut C. Gene expression profiles of post-Chernobyl thyroid cancers. *Curr Opin Endocrinol Diabetes Obes* 15, 440-445, 2008.

Detours V, [Transcription markers of survival in breast neoplasms measuring the signals from the proliferation]. *Bull Mem Acad R Med Belg.* 2008;163(3-4):189-97; discussion 197-200. French. PubMed PMID: [19025207](#).

Driessens G, Hoffmann P, Pouwels M, Zlotta A, Schulman C, Velu T and Bruyns C. Synergy Between Dendritic Cells and GM-CSF Secreting Tumor cells for the Treatment of a Murine Renal Cell Carcinoma. *J Immunotherapy* 32, 140-4, 2008.

Driessens G, Gordower L, Nuttin L, Stordeur P, Blocklet D, Egrise D, Velu T, Bruyns C. Therapeutic efficacy of antitumor dendritic cell vaccinations correlates with persistent Th1 responses, high intratumor CD8+ T cell recruitment and low relative regulatory T cell infiltration. *Cancer Immunol Immunother* 57, 1745-1756, 2008.

Dumont J, Hernández AI, Fleureau J, Carrault G. Modelling temporal evolution of cardiac electrophysiological features using Hidden Semi-Markov Models. *Conf Proc IEEE Eng Med Biol Soc.* 2008;2008:165-8. PubMed PMID: 19162619; PubMed Central PMCID: PMC2929400.

Ehongo A, De Maertelaer V, Pourjavan S. Effect of topical corneal anaesthesia on ocular response analyzer parameters: pilot study. *Int Ophthalmol* 29, 325-8, 2008.

El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Evidence for the involvement of the adenosine A<sub>2A</sub> receptor in the lowered susceptibility to pentylentetrazol-induced seizures produced in mice by long-term treatment with caffeine. *Neuropharmacology* 55, 35-40, 2008.

Mills SJ, Vandeput F, Trusselle MN, Safrany ST, Erneux C, Potter BV. Benzene polyphosphates as tools for cell signalling: inhibition of inositol 1,4,5-trisphosphate 5-phosphatase and interaction with the PH domain of protein kinase Balpha. *Chembiochem.* 2008 Jul 21;9(11):1757-66. PubMed PMID: 18574825; PubMed Central PMCID: PMC2666327.

Gaertner H, Lebeau O, Borlat I, Cerini F, Dufour B, Kuenzi G, Melotti A, Fish RJ, Offord R, Springael JY, Parmentier M, Hartley O. Highly potent HIV inhibition: engineering a key anti-HIV structure from PSC-RANTES into MIP-1 beta/CCL4. *Protein Eng Des Sel* 21, 65-72, 2008.

Gangji V, Rooze M, De Maertelaer V, Hauzeur JP. Inefficacy of the cementation of femoral head collapse in glucocorticoid-induced osteonecrosis. *Int Orthop* 33, 639-42, 2008.

Gaspard N, Bouschet T, Hourez R, Dimidschstein J, Naeije G, van den Ameele J, Espuny-Camacho I, Herpoel A, Passante L, Schiffmann SN, Gaillard A, Vanderhaeghen P. An intrinsic mechanism of corticogenesis from embryonic stem cells. *Nature* 455, 351-357, 2008.

Gouwy M, Struyf S, Noppen S, Schutyser E, Springael JY, Parmentier M, Proost P, Van Damme J. Synergy between coproduced CC and CXC chemokines in monocyte chemotaxis through receptor-mediated events. *Mol Pharmacol* 74, 485-495, 2008.

Gray KT, Short JL, Ledent C, Ventura S. Targeted disruption of the A<sub>2A</sub> adenosine receptor reduces in-vitro prostate contractility in mature mice. *Eur J Pharmacol* 592, 151-157, 2008.

Guillabert A, Wittamer V, Bondue B, Godot V, Imbault V, Parmentier M, Communi D. Role of neutrophil proteinase 3 and mast cell chymase in chemerin proteolytic regulation. *J Leukoc Biol* 84, 1530-8, 2008.

Hachet-Haas M, Balabanian K, Rohmer F, Pons F, Franchet C, Lecat S, Chow KY, Dagher R, Gizzi P, Didier B, Lagane B, Kellenberger E, Bonnet D, Baleux F, Haiech J, Parmentier M, Frossard N, Arenzana-Seisdedos F, Hibert M, Galzi JL. Small neutralizing molecules to inhibit actions of the chemokine CXCL12. *J Biol Chem* 283, 23189-23199, 2008.

Houchi H, Warnault V, Barbier E, Dubois C, Pierrefiche O, Ledent C, Daoust M, Naassila M. Involvement of A receptors in anxiolytic, locomotor and motivational properties of ethanol in mice. *Genes Brain Behav* 7, 887-98, 2008.

Jeffs GJ, Meloni BP, Sokolow S, Herchuelz A, Schurmans S, Knuckey NW. NCX3 knockout mice exhibit increased hippocampal CA1 and CA2 neuronal damage compared to wild-type mice following global cerebral ischemia. *Exp Neurol* 210, 268-273, 2008.

Jia Y, Loison F, Hattori H, Li Y, Erneux C, Park SY, Gao C, Chai L, Silberstein LE, Schurmans S, Luo HR. Inositol trisphosphate 3-kinase B (InsP3KB) as a physiological modulator of myelopoiesis. *Proc Natl Acad Sci USA* 105, 4739-4744, 2008.

Jia Y, Schurmans S, Luo HR. Regulation of innate immunity by inositol 1, 3, 4, 5-tetrakisphosphate. *Cell Cycle* 7, 2803-8, 2008.

Jin L, Burniat A, Dumont JE, Miot F, Corvilain B, Franc B. Human thyroid tumours, the puzzling lessons from E7 and RET/PTC3 transgenic mice. *British J Cancer* 99, 1874-83, 2008

Keyzer C, Pargov S, Tack D, Créteur V, Bohy P, De Maertelaer V, Gevenois PA. Normal appendix in adults: reproducibility of detection with unenhanced and contrast-enhanced MDCT. *AJR Am J Roentgenol* 191, 507-514, 2008.

Lambot T, Van Steenberghe PR, Vanmuylder N, De Maertelaer V, Glineur R. Early treatment with rapid palatal expander and 3D Quad Action mandibular appliance: evaluation of a comprehensive approach in 22 patients. *Orthod Fr* 79, 107-114, 2008.

Lande R, Gafa V, Serafini B, Giacomini E, Visconti A, Remoli ME, Severa M, Parmentier M, Ristori G, Salvetti M, Aloisi F, Coccia EM. Plasmacytoid dendritic cells in multiple sclerosis: intracerebral recruitment and impaired maturation in response to interferon-beta. *J Neuropathol Exp Neurol* 67, 388-401, 2008.

Krpata D, Peintner U, Langer I, Fitz WJ, Schweiger P. Ectomycorrhizal communities associated with *Populus tremula* growing on a heavy metal contaminated site. *Mycol Res*. 2008 Sep;112(Pt 9):1069-79. Epub 2008 Mar 19. PubMed PMID: [18692376](#).

Houchi H, Warnault V, Barbier E, Dubois C, Pierrefiche O, Ledent C, Daoust M, Naassila M. Involvement of A2A receptors in anxiolytic, locomotor and motivational properties of ethanol in mice. *Genes Brain Behav*. 2008, Nov;7(8):887-98. PubMed PMID: [19097273](#)

Mallet C, Daulhac L, Bonnefont J, Ledent C, Etienne M, Chapuy E, Libert F, Eschalier A. Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia. *Pain*. 2008 Sep 30;139(1):190-200. Epub 2008 May 15. PubMed PMID: [18485596](#).

Macours P, Aubry JC, Hauquier B, Boeynaems JM, Goldman S, Moreno-Reyes R. Determination of urinary iodine by inductively coupled plasma mass spectrometry. *J Trace Elem Med Biol* 22, 162-165, 2008.

Madani A, Van Muylem A, de Maertelaer V, Zanen J, Gevenois PA. Pulmonary emphysema: size distribution of emphysematous spaces on multidetectorCT images--comparison with macroscopic and microscopic morphometry. *Radiology* 248, 1036-1041, 2008.

Detours V, Versteyhe S, Dumont JE, Maenhaut C. Gene expression profiles of post-Chernobyl thyroid cancers. *Curr Opin Endocrinol Diabetes Obes*. 2008 Oct;15(5):440-5. Review. PubMed PMID: [18769217](#).

Mallet C, Daulhac L, Bonnefont J, Ledent C, Etienne M, Chapuy E, Libert F, Eschalier A. Endocannabinoid and serotonergic systems are needed for acetaminophen-induced analgesia. *Pain* 139, 190-200, 2008.

Maréchal R, Demols A, Gay F, de Maertelaer V, Arvanitaki M, Hendlisz A, Van Laethem JL. Tolerance and efficacy of gemcitabine and gemcitabine-based regimens in elderly patients with advanced pancreatic cancer. *Pancreas* 36, e16-21, 2008.

Mills SJ, Vandeput F, Trusselle MN, Safrany ST, Erneux C, Potter BV. Benzene polyphosphates as tools for cell signalling: inhibition of inositol 1, 4, 5-trisphosphate 5-phosphatase and interaction with the PH domain of protein kinase Balpha. *Chembiochem* 9, 1757-1766, 2008.

Jin L, Burniat A, Dumont JE, Miot F, Corvilain B, Franc B. Human thyroid tumours, the puzzling lessons from E7 and RET/PTC3 transgenic mice. *Br J Cancer*. 2008 Dec 2;99(11):1874-83. Epub 2008 Nov 4. Erratum in: *Br J Cancer*. 2009 Mar 24;100(6):1013. PubMed PMID: 18985036; PubMed Central PMCID: PMC2600679.

Molinaro P, Cuomo O, Pignataro G, Boscia F, Sirabella R, Pannaccione A, Secondo A, Scorziello A, Adornetto A, Gala R, Viggiano D, Sokolow S, Herchuelz A, Schurmans S, Di Renzo G, Annunziato L. Targeted disruption of Na<sup>+</sup>/Ca<sup>2+</sup> exchanger 3 (NCX3) gene leads to a worsening of ischemic brain damage. *J Neurosci* 28, 1179-84, 2008.

Nayeem MA, Poloyac SM, Falck JR, Zeldin DC, Ledent C, Ponnath DS, Ansari HR, Mustafa SJ. Role of CYP-epoxygenases in A2A adenosine receptor-mediated relaxation using A2AR-null and wild-type mice. *Am J Physiol Heart Circ Physiol* 295, H2068-78, 2008.

Németh B, Ledent C, Freund TF, Hájos N. CB1 receptor-dependent and -independent inhibition of excitatory postsynaptic currents in the hippocampus by WIN 55,212-2. *Neuropharmacology* 54, 51-57, 2008.

Onnockx S, De Schutter J, Blockmans M, Xie J, Jacobs C, Vanderwinden JM, Erneux C, Pirson I. The association between the SH2-containing inositol polyphosphate 5-Phosphatase 2 (SHIP2) and the adaptor protein APS has an impact on biochemical properties of both partners. *J Cell Physiol* 214, 260-272, 2008.

Passante L, Gaspard N, Degraeve M, Frisén J, Kullander K, De Maertelaer V, Vanderhaeghen P. Temporal regulation of ephrin/Eph signalling is required for the spatial patterning of the mammalian striatum. *Development* 135, 3281-3290, 2008.

Xie J, Vandenbroere I, Pirson I. SHIP2 associates with intersectin and recruits it to the plasma membrane in response to EGF. *FEBS Lett*. 2008 Sep 3;582(20):3011-7. Epub 2008 Aug 8. PubMed PMID: 18692052.

Ribé D, Sawbridge D, Thakur S, Hussey M, Ledent C, Kitchen I, Hourani S, Li JM. Adenosine A2A receptor signaling regulation of cardiac NADPH oxidase activity. *Free Radic Biol Med* 44, 1433-42, 2008.

Bar I, Guns PJ, Metallo J, Cammarata D, Wilkin F, Boeynants JM, Bult H, Robaye B. Knockout mice reveal a role for P2Y6 receptor in macrophages, endothelial cells, and vascular smooth muscle cells. *Mol Pharmacol*. 2008 Sep;74(3):777-84. Epub 2008 Jun 3. PubMed PMID: 18523137

Rocha AS, Paternot S, Coulonval K, Dumont JE, Soares P, Roger PP. Cyclic AMP inhibits the proliferation of thyroid carcinoma cell lines through regulation of CDK4 phosphorylation. *Mol Biol Cell* 19, 4814-25, 2008.

Roger, Monforte A, Abrams D, Pradier C, Weber R, Reiss P, Bonnet F, Kirk O, Law M, De Wit S, Friis-Møller N, Phillips AN, Sabin CA, Lundgren JD; Data Collection on Adverse Events of Anti-HIV Drugs (D:A:D) Study Group. HIV-induced immunodeficiency and mortality from AIDS-defining and non-AIDS-defining malignancies. *AIDS*. 2008 Oct 18; 22(16):2143-53. PubMed PMID: 18832878; PubMed Central PMCID: PMC2715844.

Rosso L, Marques AC, Weier M, Lambert N, Lambot MA, Vanderhaeghen P, Kaessmann H. Birth and rapid subcellular adaptation of a hominoid-specific CDC14 protein. *PLoS Biol* 10, e140, 2008.

Sanjeevaiah AR, Vassart G, Srikanta SS. Follicle-stimulating hormone receptor DNA sequencing: investigation into possible glycoprotein receptor mutation in Van Wyk-Grumbach syndrome. *Endocr Pract* 14, 648, 2008.

Simonart T, De Maertelaer V. Curettage treatment for molluscum contagiosum: a follow-up survey study. *Br J Dermatol* 159, 1144-7, 2008.

Simonart T, Dramaix M, De Maertelaer V. Efficacy of tetracyclines in the treatment of acne vulgaris: a review. *Br J Dermatol* 158, 208-16, 2008

Gouwy M, Struyf S, Noppen S, Schutyser E, Springael JY, Parmentier M, Proost P, Van Damme J. Synergy between coproduced CC and CXC chemokines in monocyte chemotaxis through receptor-mediated events. *Mol Pharmacol*. 2008 Aug;74(2):485-95. Epub 2008 May 9. PubMed PMID: 18469140.

Sotiropoulou PA, Candi A, Blanpain C. The majority of multipotent epidermal stem cells do not protect their genome by asymmetrical chromosome segregation. *Stem Cells* 11, 2964-73, 2008. . Epub 2008 Sep 4. PubMed PMID: 18772311

Suárez J, Bermúdez-Silva FJ, Mackie K, Ledent C, Zimmer A, Cravatt BF, de Fonseca FR. Immunohistochemical description of the endogenous cannabinoid system in the rat cerebellum and functionally related nuclei. *J Comp Neurol* 509, 400-421, 2008.

Swillens S, Dessars B, Housni HE. Revisiting the sigmoidal curve fitting applied to quantitative real-time PCR data. *Anal Biochem* 373, 370-376, 2008.

Tam J, Trembovler V, Di Marzo V, Petrosino S, Leo G, Alexandrovich A, Regev E, Casap N, Shteyer A, Ledent C, Karsak M, Zimmer A, Mechoulam R, Yirmiya R, Shohami E, Bab I. The cannabinoid CB1 receptor regulates bone formation by modulating adrenergic signaling. *FASEB J* 22, 285-294, 2008.

Tang BN, Moreno-Reyes R, Blocklet D, Corvilain B, Cappello M, Delpierre I, Devuyst F, Van Simaey G, Goldman S. Accurate pre-operative localization of pathological parathyroid glands using 11C-methionine PET/CT. *Contrast Media Mol Imaging* 3, 157-63, 2008.

Teng B, Ledent C, Mustafa SJ. Up-regulation of A 2B adenosine receptor in A 2A adenosine receptor knockout mouse coronary artery. *J Mol Cell Cardiol* 44, 905-914, 2008.

Touriño C, Ledent C, Maldonado R, Valverde O. CB1 cannabinoid receptor modulates 3, 4-methylenedioxymethamphetamine acute responses and reinforcement. *Biol Psychiatry* 63, 1030-1038, 2008.

Jin L, Chico-Galdo V, Massart C, Gervy C, De Maertelaere V, Friedman M, Van Sande J.

Acrylamide does not induce tumorigenesis or major defects in mice in vivo. *J Endocrinol*. 2008 Aug;198(2):301-7. Epub 2008 May 15. PubMed PMID: [18483202](#).

Passante L, Gaspard N, Degraeve M, Frisén J, Kullander K, De Maertelaer V, Vanderhaeghen P. Temporal regulation of ephrin/Eph signalling is required for the spatial patterning of the mammalian striatum. *Development*. 2008 Oct;135(19):3281-90. Epub 2008 Aug 28. PubMed PMID: [18755772](#).

Van Loy T, Vandersmissen HP, Van Hiel MB, Poels J, Verlinden H, Badisco L, Vassart G, Vanden Broeck J. Comparative genomics of leucine-rich repeats containing G protein-coupled receptors and their ligands. *Gen Comp Endocrinol* 155, 14-21, 2008.

Gonzalez-Merino E, Emiliani S, Pichon B, Parma J, Vannin AS, Delbaere A, Vassart G, Abramowicz M, Englert Y. [Preimplantation genetic diagnosis (PGD): the Erasme Hospital experience]. *Rev Med Brux*. 2008 Nov-Dec;29(6):527-34. French. PubMed PMID: [19202707](#).

Sanjeevaiah AR, Vassart G, Srikanta SS. Follicle-stimulating hormone receptor DNA sequencing: investigation into possible glycoprotein receptor mutation in Van Wyk-Grumbach syndrome. *Endocr Pract*. 2008 Jul-Aug;14(5):648. PubMed PMID: [18753112](#).

Xie J, Onnockx S, Vandebroere I, Degraef C, Erneux C, Pirson I. The docking properties of SHIP2 influence both JIP1 tyrosine phosphorylation and JNK activity. *Cell Signal* 20, 1432-1441, 2008.

Xie J, Vandebroere I, Pirson I. SHIP2 associates with intersectin and recruits it to the plasma membrane in response to EGF. *FEBS Letters* 582, 3011-3017, 2008.  
Zhang H, Xu Y, Markadieu N, Beauwens R, Erneux C, Prestwich GD. Synthesis and biological activity of phosphatidylinositol-3, 4, 5-trisphosphorothioate. *Bioorg Med Chem Lett* 18, 762-766, 2008.

## 2007

Arvanitakis M, Delhaye M, Bali MA, Matos C, De Maertelaer V, Le Moine O, Devière J. Pancreatic-fluid collections: a randomized controlled trial regarding stent removal after endoscopic transmural drainage. *Gastrointest Endosc* 65, 609-619, 2007.

Ballesteros-Yáñez I, Valverde O, Ledent C, Maldonado R, DeFelipe J. Chronic cocaine treatment alters dendritic arborization in the adult motor cortex through a CB1 cannabinoid receptor-dependent mechanism. *Neuroscience* 146, 1536-1545, 2007.

Bankier AA, Schaefer-Prokop C, De Maertelaer V, Tack D, Jaksch P, Klepetko W, Gevenois PA. Air trapping: comparison of standard-dose and simulated low-dose thin-section CT techniques. *Radiology* 242, 898-906, 2007.

Blanpain C, Fuchs E. p63: revving up epithelial stem-cell potential. *Nat Cell Biol* 9, 731-733, 2007.

Blanpain C, Horsley V, Fuchs E. Epithelial stem cells: turning over new leaves. *Cell* 128, 445-458, 2007.

Blanpain C. Epidermal stem cells. *Bull Mem Acad R Med Belg* 162, 418-424, 2007.

- Blanpain C. Impact of beta-catenin signaling pathway on stem cell differentiation in the skin. *Med Sci (Paris)* 23, 34-36, 2007.
- Blero D, Payrastra B, Schurmans S, Erneux C. Phosphoinositide phosphatases in a network of signalling reactions. *Pflugers Arch* 455, 31-44, 2007.
- Bles N, Horckmans M, Lefort A, Libert F, Macours P, El Housni H, Marteau F, Boeynaems JM, Communi D. Gene expression profiling defines ATP as a key regulator of human dendritic cell functions. *J Immunol* 179, 3550-3558, 2007.
- Bohy P, de Maertelaer V, Roquigny A, Keyzer C, Tack D, Gevenois PA. Multidetector CT in patients suspected of having lumbar disk herniation: comparison of standard-dose and simulated low-dose techniques. *Radiology* 244, 524-531, 2007.
- Bura SA, Castañé A, Ledent C, Valverde O, Maldonado R. Genetic and pharmacological approaches to evaluate the interaction between the cannabinoid and cholinergic systems in cognitive processes. *Br J Pharmacol* 150, 758-765, 2007.
- Christophe-Hobertus C, Christophe D. Human Thyroid Oxidases genes promoter activity in thyrocytes does not appear to be functionally dependent on Thyroid Transcription Factor-1 or Pax8. *Mol Cell Endocrinol* 264, 157-163, 2007.
- Corbillé AG, Valjent E, Marsicano G, Ledent C, Lutz B, Hervé D, Girault JA. Role of cannabinoid type 1 receptors in locomotor activity and striatal signaling in response to psychostimulants. *J Neurosci* 27, 6937-6947, 2007.
- Costa MJ, Senou M, Van Rode F, Ruf J, Capello M, Dequanter D, Lothaire P, Dessy C, Dumont JE, Many MC, Van Sande J. Reciprocal negative regulation between thyrotropin/3', 5'-cyclic adenosine monophosphate-mediated proliferation and caveolin-1 expression in human and murine thyrocytes. *Mol Endocrinol* 21, 921-932, 2007.
- Decaux G, Vandergheynst F, Bouko Y, Parma J, Vassart G, Vilain C. Nephrogenic syndrome of inappropriate antidiuresis in adults: high phenotypic variability in men and women from a large pedigree. *J Am Soc Nephrol* 18, 606-612, 2007.
- Deladoëy J, Vassart G, Van Vliet G. Possible non-Mendelian mechanisms of thyroid dysgenesis. *Endocr Dev* 10, 29-42, 2007.
- Delys L, Detours V, Franc B, Thomas G, Bogdanova T, Tronko M, Libert F, Dumont JE, Maenhaut C. Gene expression and the biological phenotype of papillary thyroid carcinomas. *Oncogene* 26, 7894-7903, 2007.
- Dessars B, De Raeve LE, El Housni H, Debouck CJ, Sidon PJ, Morandini R, Roseeuw D, Ghanem GE, Vassart G, Heimann P. Chromosomal translocations as a mechanism of BRAF activation in two cases of large congenital melanocytic nevi. *J Invest Dermatol* 127, 1468-1470, 2007.
- Detours V, Delys L, Libert F, Weiss Solís D, Bogdanova T, Dumont JE, Franc B, Thomas G, Maenhaut C. Genome-wide gene expression profiling suggests distinct radiation susceptibilities in sporadic and post-Chernobyl papillary thyroid cancers. *Br J Cancer* 97, 818-25, 2007.
- Dremier S, Milenkovic M, Blancquaert S, Dumont JE, Døskeland SO, Maenhaut C, Roger PP. Cyclic adenosine 3', 5'-monophosphate (cAMP)-dependent protein kinases, but not exchange proteins directly activated by cAMP (Epac), mediate thyrotropin/cAMP-dependent regulation of thyroid cells. *Endocrinology* 148, 4612-4622, 2007.

Dufour A, Egea J, Kullander K, Klein R, Vanderhaeghen P. Genetic analysis of EphA-dependent signaling mechanisms controlling topographic mapping in vivo. *Development* 133, 4415-4420, 2007.

Dumonceau JM, Costamagna G, Tringali A, Vahedi K, Delhaye M, Hittelet A, Spera G, Giostra E, Mutignani M, De Maertelaer V, Devière J. Treatment for painful calcified chronic pancreatitis: extracorporeal shock wave lithotripsy versus endoscopic treatment: a randomised controlled trial. *Gut* 56, 545-552, 2007.

Eckle T, Krahn T, Grenz A, Köhler D, Mittelbronn M, Ledent C, Jacobson MA, Osswald H, Thompson LF, Unertl K, Eltzschig HK. Cardioprotection by ecto-5'-nucleotidase (CD73) and A2B adenosine receptors. *Circulation* 115, 1581-1590, 2007.

Fischer H, Gonzales LK, Kolla V, Schwarzer C, Miot F, Illek B, Ballard PL. Developmental regulation of DUOX1 expression and function in human fetal lung epithelial cells. *Am J Physiol Lung Cell Mol Physiol*. 292, L1506-L1514, 2007.

Gao JL, Guillabert A, Hu J, Le Y, Urizar E, Seligman E, Fang KJ, Yuan X, Imbault V, Communi D, Wang JM, Parmentier M, Murphy PM, Migeotte I. F2L, a peptide derived from heme-binding protein, chemoattracts mouse neutrophils by specifically activating Fpr2, the low-affinity N-formylpeptide receptor. *J Immunol* 178, 1450-1456, 2007.

Gloire G, Erneux C, Piette J. The role of SHIP1 in T-lymphocyte life and death. *Biochem Soc Trans* 35, 277-280, 2007.

Grasberger H, De Deken X, Miot F, Pohlenz J, Refetoff S. Missense mutations of dual oxidase 2 (DUOX2) implicated in congenital hypothyroidism have impaired trafficking in cells reconstituted with DUOX2 maturation factor. *Mol Endocrinol* 21, 1408-1421, 2007.

Grasberger H, Van Sande J, Hag-Dahood Mahameed A, Tenenbaum-Rakover Y, Refetoff S. A familial thyrotropin (TSH) receptor mutation provides in vivo evidence that the inositol phosphates/Ca<sup>2+</sup> cascade mediates TSH action on thyroid hormone synthesis. *J Clin Endocrinol Metab* 92, 2816-2820, 2007.

Hébrant A, van Staveren WC, Delys L, Solís DW, Bogdanova T, Andry G, Roger P, Dumont JE, Libert F, Maenhaut C. Long-term EGF/serum-treated human thyrocytes mimic papillary thyroid carcinomas with regard to gene expression. *Exp Cell Res* 313, 3276-3284, 2007.

Hernandez A, Martinez ME, Liao XH, Van Sande J, Refetoff S, Galton VA, St Germain DL. Type 3 deiodinase deficiency results in functional abnormalities at multiple levels of the thyroid axis. *Endocrinology* 148, 5680-87, 2007.

Hussey MJ, Clarke GD, Ledent C, Hourani SM, Kitchen I. Reduced response to the formalin test and lowered spinal NMDA glutamate receptor binding in adenosine A2A receptor knockout mice. *Pain* 129, 287-294, 2007.

Jia Y, Subramanian KK, Erneux C, Pouillon V, Hattori H, Jo H, You J, Zhu D, Schurmans S, Luo HR. Inositol 1, 3, 4, 5-tetrakisphosphate negatively regulates phosphatidylinositol-3, 4, 5-trisphosphate signaling in neutrophils. *Immunity* 27, 453-467, 2007.

Kellenberger E, Springael JY, Parmentier M, Hachet-Haas M, Galzi JL, Rognan D. Identification of nonpeptide CCR5 receptor agonists by structure-based virtual screening. *J Med Chem* 50, 1294-1303, 2007.

Lebel H, Lectard S, Parmentier M. Copper-catalyzed alkene aziridination with N-tosyloxycarbamates. *Org Lett* 9, 4797-4800, 2007.

Leyman A, Pouillon V, Bostan A, Schurmans S, Erneux C, Pesesse X. The absence of

expression of the three isoenzymes of the inositol 1, 4, 5-trisphosphate 3-kinase does not prevent the formation of inositol pentakisphosphate and hexakisphosphate in mouse embryonic fibroblasts. *Cell Signal* 19, 1497-1504, 2007.

Madani A, De Maertelaer V, Zanen J, Gevenois PA. Pulmonary emphysema: radiation dose and section thickness at multidetector CT quantification - comparison with macroscopic and microscopic morphometry. *Radiology* 243, 250-257, 2007.

Makara JK, Katona I, Nyíri G, Németh B, Ledent C, Watanabe M, de Vente J, Freund TF, Hájos N. Involvement of nitric oxide in depolarization-induced suppression of inhibition in hippocampal pyramidal cells during activation of cholinergic receptors. *J Neurosci* 27, 10211-10222, 2007.

Marcet B, Horckmans M, Libert F, Hassid S, Boeynaems JM, Communi D. Extracellular nucleotides regulate CCL20 release from human primary airway epithelial cells, monocytes and monocyte-derived dendritic cells. *J Cell Physiol* 211, 716-727, 2007.

Marcet B, Libert F, Boeynaems JM, Communi D. Extracellular nucleotides induce COX-2 up-regulation and prostaglandin E2 production in human A549 alveolar type II epithelial cells. *Eur J Pharmacol.* 566, 167-171, 2007.

Maréchal Y, Pesesse X, Jia Y, Pouillon V, Pérez-Morga D, Daniel J, Izui S, Cullen PJ, Leo O, Luo HR, Erneux C, Schurmans S. Inositol 1, 3, 4, 5-tetrakisphosphate controls proapoptotic Bim gene expression and survival in B cells. *Proc Natl Acad Sci USA* 104, 13978-13983, 2007.

Maresz K, Pryce G, Ponomarev ED, Marsicano G, Croxford JL, Shriver LP, Ledent C, Cheng X, Carrier EJ, Mann MK, Giovannoni G, Pertwee RG, Yamamura T, Buckley NE, Hillard CJ, Lutz B, Baker D, Dittel BN. Direct suppression of CNS autoimmune inflammation via the cannabinoid receptor CB1 on neurons and CB2 on autoreactive T cells. *Nat Med* 13, 492-497, 2007.

Matos JE, Sorensen MV, Geyti CS, Robaye B, Boeynaems JM, Leipziger J. Distal colonic Na<sup>+</sup> absorption inhibited by luminal P2Y<sub>2</sub> receptors. *Pflugers Arch* 454, 977-987, 2007.

Mievis S, Levivier M, Communi D, Vassart G, Brotchi J, Ledent C, Blum D. Lack of minocycline efficiency in genetic models of Huntington's disease. *Neuromolecular Med* 9, 47-54, 2007.

Mievis S, Levivier M, Vassart G, Brotchi J, Ledent C, Blum D. Citicoline is not protective in experimental models of Huntington's disease. *Neurobiol Aging* 28, 1944-1946, 2007.

Migeotte I, Communi D, Parmentier M. Formyl peptide receptors: a promiscuous subfamily of G protein-coupled receptors controlling immune responses. *Cytokine Growth Factor Rev* 17, 501-519, 2007.

Milenkovic M, De Deken X, Jin L, De Felice M, Di Lauro R, Dumont JE, Corvilain B, Miot F. Duox expression and related H<sub>2</sub>O<sub>2</sub> measurement in mouse thyroid: onset in embryonic development and regulation by TSH in adult. *J Endocrinol* 192, 615-626, 2007.

Moeller LC, Alonso M, Liao X, Broach V, Dumitrescu A, Van Sande J, Montanelli L, Skjei S, Goodwin C, Grasberger H, Refetoff S, Weiss RE. Pituitary-thyroid setpoint and thyrotropin receptor expression in consomic rats. *Endocrinology* 148, 4727-4733, 2007.

Morrison RR, Tan XL, Ledent C, Mustafa SJ, Hofmann PA. Targeted deletion of A2A adenosine receptors attenuates the protective effects of myocardial postconditioning. *Am J Physiol Heart Circ Physiol* 293, H2523-H2539, 2007.

Nadeem A, Fan M, Ansari HR, Ledent C, Jamal Mustafa S. Enhanced airway reactivity and inflammation in A2A adenosine receptor-deficient allergic mice. *Am J Physiol Lung Cell Mol Physiol* 292, L1335-L1344, 2007.

Parolini S, Santoro A, Marcenaro E, Luini W, Massardi L, Facchetti F, Communi D, Parmentier M, Majorana A, Sironi M, Tabellini G, Moretta A, Sozzani S. The role of chemerin in the colocalization of NK and dendritic cell subsets into inflamed tissues. *Blood* 109, 3625-3632, 2007.

Pin JP, Neubig R, Bouvier M, Devi L, Filizola M, Javitch JA, Lohse MJ, Milligan G, Palczewski K, Parmentier M, Spedding M. International Union of Basic and Clinical Pharmacology. LXVII. Recommendations for the recognition and nomenclature of G protein-coupled receptor heteromultimers. *Pharmacol Rev* 59, 5-13, 2007.

Popoli P, Blum D, Martire A, Ledent C, Ceruti S, Abbracchio MP. Functions, dysfunctions and possible therapeutic relevance of adenosine A2A receptors in Huntington's disease. *Prog Neurobiol* 81, 331-348, 2007.

Proost P, Mortier A, Loos T, Vandercappellen J, Gouwy M, Ronsse I, Schutyser E, Put W, Parmentier M, Struyf S, Van Damme J. Proteolytic processing of CXCL11 by CD13/aminopeptidase N impairs CXCR3 and CXCR7 binding and signaling and reduces lymphocyte and endothelial cell migration. *Blood* 110, 37-44, 2007.

Raaijmakers JH, Deneubourg L, Rehmann H, de Koning J, Zhang Z, Krugmann S, Erneux C, Bos JL. The PI3K effector Arap3 interacts with the PI(3, 4, 5)P3 phosphatase SHIP2 in a SAM domain-dependent manner. *Cell Signal* 19, 1249-1257, 2007.

Rigutto S, Hoste C, Dumont JE, Corvilain B, Miot F, De Deken X. Duox1 is the main source of hydrogen peroxide in the rat thyroid cell line PCC13. *Exp Cell Res* 313, 3892-901, 2007.

Roh SG, Song SH, Choi KC, Katoh K, Wittamer V, Parmentier M, Sasaki S. Chemerin - a new adipokine that modulates adipogenesis via its own receptor. *Biochem Biophys Res Commun* 362, 1013-1018, 2007.

Shayegan A, De Maertelaer V, Vanden Abbeele A. The prevalence of traumatic dental injuries: a 24-month survey. *J Dent Child* 74, 194-199, 2007.

Skrabanek L, Murcia M, Bouvier M, Devi L, George SR, Lohse MJ, Milligan G, Neubig R, Palczewski K, Parmentier M, Pin JP, Vriend G, Javitch JA, Campagne F, Filizola M. Requirements and ontology for a G protein-coupled receptor oligomerization knowledge base. *BMC Bioinformatics* 30, 177, 2007.

Sohy D, Parmentier M, Springael JY. Allosteric transinhibition by specific antagonists in CCR2/CXCR4 heterodimers. *J Biol Chem*. 282, 30062-30069, 2007.

Song Y, Driessens N, Costa M, De Deken X, Detours V, Corvilain B, Maenhaut C, Miot F, Van Sande J, Many MC, Dumont JE. Roles of hydrogen peroxide in thyroid physiology and disease. *J Clin Endocrinol Metab* 92, 3764-73, 2007.

Springael JY, de Poorter C, Deupi X, Van Durme J, Pardo L, Parmentier M. The activation mechanism of chemokine receptor CCR5 involves common structural changes but a different network of interhelical interactions relative to rhodopsin. *Cell Signal* 19, 1446-1456, 2007.

Springael JY, Urizar E, Costagliola S, Vassart G, Parmentier M. Allosteric properties of G protein-coupled receptor oligomers. *Pharmacol Ther* 115, 410-418, 2007.

Sutherland A, Mirjolet JF, Maho A, Parmentier M. Expression of the chemokine receptor CCR6 in the Lewis lung carcinoma (LLC) cell line reduces its metastatic potential in vivo.

Cancer Gene Ther 14, 847-857, 2007.

Thiemann G, Fletcher BC, Ledent C, Molleman A, Hasenöhrl RU. The genetic versus pharmacological invalidation of the cannabinoid CB(1) receptor results in differential effects on 'non-associative' memory and forebrain monoamine concentrations in mice. *Neurobiol Learn Mem* 88, 416-23 2007.

Twizere JC, Springael JY, Boxus M, Burny A, Dequiedt F, Dewulf JF, Duchateau J, Portetelle D, Urbain P, Van Lint C, Green PL, Mahieux R, Parmentier M, Willems L, Kettmann R. Human T-cell leukemia virus type-1 Tax oncoprotein regulates G-protein signaling. *Blood* 109, 1051-1060, 2007.

Van Loy T, Van Hiel MB, Vandersmissen HP, Poels J, Mendive F, Vassart G, Vanden Broeck J. Evolutionary conservation of bursicon in the animal kingdom. *Gen Comp Endocrinol* 153, 59-63, 2007.

van Staveren WC, Weiss Solís DW, Delys L, Duprez L, Andry G, Franc B, Thomas G, Libert F, Dumont JE, Detours V, Maenhaut C. Human thyroid tumor cell lines derived from different tumor types present a common dedifferentiated phenotype. *Cancer Res.* 67, 8113-8120, 2007.

Vandeput F, Combettes L, Mills SJ, Backers K, Wohlkönig A, Parys JB, De Smedt H, Missiaen L, Dupont G, Potter BV, Erneux C. Biphenyl 2, 3', 4, 5', 6-pentakisphosphate, a novel inositol polyphosphate surrogate, modulates Ca<sup>2+</sup> responses in rat hepatocytes. *FASEB J* 21, 1481-1491, 2007.

Warnault V, Houchi H, Barbier E, Pierrefiche O, Vilpoux C, Ledent C, Daoust M, Naassila M. The lack of CB1 receptors prevents neuroadaptations of both NMDA and GABA<sub>A</sub> receptors after chronic ethanol exposure. *J Neurochem* 102, 741-752, 2007.

Wohlkönig A, Sénéchal M, Dewitte F, Backers K, Erneux C, Villeret V. Expression and purification in high yield of a functionally active recombinant human Type I inositol(1, 4, 5)P<sub>3</sub> 5-phosphatase. *Protein Expr Purif* 55, 69-74, 2007.

Zhang J, Liu Z, Rasschaert J, Blero D, Deneubourg L, Schurmans S, Erneux C, Pesesse X. SHIP2 controls PtdIns(3, 4, 5)P<sub>3</sub> levels and PKB activity in response to oxidative stress. *Cell Signal* 19, 2194-2200, 2007.

## 2006

Abbracchio MP, Burnstock G, Boeynaems JM, Barnard EA, Boyer JL, Kennedy C, Fumagalli M, King BF, Gachet C, Jacobson KA, Weisman GA. International Union of Pharmacology. Update and subclassification of the P<sub>2</sub>Y G protein-coupled nucleotide receptors: from molecular mechanisms and pathophysiology to therapy. *Pharmacol Rev* 58, 281-341, 2006.

Arenzana-Seisdedos F, Parmentier, M. Genetics of resistance to HIV infection: Role of co-receptors and co-receptor ligands. *Semin Immunol* 18, 387-403, 2006.

Arsenijevic T, Degraef C, Dumont JE, Roger PP, Pirson I. G1/S Cyclins interact with regulatory subunit of PKA via A-kinase anchoring protein, AKAP95. *Cell Cycle* 5, 1217-1222, 2006.

Bearzatto B, Servais L, Roussel C, Gall D, Baba-Aissa F, Schurmans S, De Kerchove A, Cheron G, Schiffmann SN. Targeted calretinin expression in granule cells of calretinin-null mice restores normal cerebellar functions. *FASEB J* 20, 380-382, 2006.

- Berrozpe G, Agosti V, Tucker C, Blanpain C, Manova K, Besmer P. A distant upstream locus control region is critical for expression of the Kit receptor gene in mast cells. *Mol Cell Biol* 26, 5850-5860, 2006.
- Blanpain C, Fuchs E. Epidermal stem cells of the skin. *Annu Rev Cell Dev Biol* 22, 339-373, 2006.
- Blanpain C, Lowry WE, Pasolli HA, Fuchs E. Canonical notch signaling functions as a commitment switch in the epidermal lineage. *Genes Dev* 20, 3022-3035, 2006.
- Bockstaele L, Kooken H, Libert F, Paternot S, Dumont JE, De Launoit Y, Roger PP, Coulonval K. Regulated activating Thr172 phosphorylation of cyclin-dependent kinase 4, CDK4: its relationship with cyclins and CDK "inhibitors". *Mol Cell Biol* 26, 5070-5085, 2006.
- Bockstaele L, Coulonval K, Kooken H, Paternot S, Roger, PP. Regulation of CDK4 (invited review). *Cell Div (BioMed Central <http://www.celldiv.com/content/1/1/25>)* 1, 25, 2006.
- Boeynaems JM, Communi D. Modulation of inflammation by extracellular nucleotides. *J Invest Dermatol* 126, 943-944, 2006.
- Bonomi M, Busnelli M, Persani L, Vassart G, Costagliola S. Structural differences in the hinge region of the glycoprotein hormone receptors: evidence from the sulfated tyrosine residues. *Mol Endocrinol* 20, 3351-3363, 2006.
- Castane A, Celerier E, Martin M, Ledent C, Parmentier M, Maldonado R, Valverde O. Development and expression of neuropathic pain in CB1 knockout mice. *Neuropharmacology* 50, 111-122, 2006.
- Castane A, Soria G, Ledent C, Maldonado R, Valverde O. Attenuation of nicotine-induced rewarding effects in A, 2A knockout mice. *Neuropharmacology* 5, 631-640, 2006.
- Cheong SC, Blangenois I, Franssen JD, Servais C, Phan V, Trakatelli M, Bruyns C, Vile R, Velu T, Brandenburger A. Generation of cell hybrids via a fusogenic cell line. *J Gene Med* 8, 919-928, 2006.
- Chico Galdo V, Massart C, Jin L, Vanvooren V, Caillet-Fauquet P, Andry G, Lothaire P, Dequanter D, Friedman M, Van Sande J. Acrylamide, an in vivo thyroid carcinogenic agent, induces DNA damage in rat thyroid cell lines and primary cultures. *Mol Cell Endocrinol* 26, 257-258, 2006.
- De Leener A, Montanelli L, Van Durme J, Chae H, Smits G, Vassart G, Costagliola S. Presence and absence of follicle-stimulating hormone receptor mutations provide some insights into spontaneous ovarian hyperstimulation syndrome physiopathology. *J Clin Endocrinol Metab* 91, 555-562, 2006.
- Delbaere A, Smits G, Vassart G, Costagliola S. Genetic predictors of ovarian hyperstimulation syndrome in women undergoing in vitro fertilization. *Nat Clin Pract Endocrinol Metab* 2, 590-591, 2006.
- del Rey A, Renigunta V, Dalpke AH, Leipziger J, Matos JE, Robaye B, Zuzarte M, Kavelaars A, Hanley PJ. Knock-out mice reveal the contributions of P2Y and P2X receptors to nucleotide-induced Ca<sup>2+</sup> signaling in macrophages. *J Biol Chem* 281, 35147-35155, 2006.
- Dessars B, Heimann P, Swillens S, El Housni H. Limitations and practical procedure in BclII-Ig heavy chain gene rearrangement real-time quantitative polymerase chain reaction. *J Mol Diagn* 8, 133-136, 2006.

- Detours V, Dumont JE, Maenhaut C. Systems biology, cell specificity, and physiology. *Multidisciplinary Approaches to Theory in Medicine, Studies in multidisciplinaryity*, 3, 265-27, 2006 (R. Paton and L. McNamara, Editors), Elsevier, Amsterdam.
- Dufour A, Egea J, Kullander K, Klein R, Vanderhaeghen P. Genetic analysis of EphA-dependent signalling mechanisms controlling topographic mapping in vivo. *Development* 133, 4415-4420, 2006.
- Gloire G, Charlier E, Rahmouni S, Volanti C, Chariot A, Erneux C, Piette J. Restoration of SHIP-1 activity in human leukemic cells modifies NF-kappaB activation pathway and cellular survival upon oxidative stress. *Oncogene* 25, 5485-5494, 2006.
- Godfrey L, Yan L, Clarke GD, Ledent C, Kitchen I, Hourani SM. Modulation of paracetamol antinociception by caffeine and by selective adenosine A2 receptor antagonists in mice. *Eur J Pharmacol* 531, 80-86, 2006.
- Guns PJ, Van Assche T, Fransen P, Robaye B, Boeynaems JM, Bult H. Endothelium-dependent relaxation evoked by ATP and UTP in the aorta of P2Y2-deficient mice. *Br J Pharmacol* 147, 569-574, 2006.
- Hainaux B, Agneessens E, Bertinotti R, De Maertelaer V, Rubesova E, Capelluto E, Moschopoulos C. Accuracy of MDCT in predicting site of gastrointestinal tract perforation. *Am J Roentgenol* 187, 1179-1183, 2006.
- Horckmans M, Marcet B, Marteau F, Bulte F, Maho A, Parmentier M, Boeynaems JM, Communi D. Extracellular adenosine nucleotides inhibit the release of major monocyte recruiters by human monocyte-derived dendritic cells. *FEBS Lett* 580, 747-754, 2006.
- Katona I, Urban GM, Wallace M, Ledent C, Jung KM, Piomelli D, Mackie K, Freund TF. Molecular composition of the endocannabinoid system at glutamatergic synapses. *J Neurosci* 26, 5628-5637, 2006.
- Kim SH, Won SJ, Mao XO, Ledent C, Jin K, Greenberg DA. Role for neuronal nitric oxide synthase in cannabinoid-induced neurogenesis. *J Pharmacol Exp Ther* 319, 150-154, 2006.
- Kiss I, Oskolas H, Toth R, Bouillet P, Toth K, Fulop A, Scholtz B, Ledent C, Fesus L, Szondy Z. Adenosine A2A receptor-mediated cell death of mouse thymocytes involves adenylyl cyclase and Bim and is negatively regulated by Nur77. *Eur J Immunol* 36, 1559-1571, 2006.
- Madani A, Zanen J, de Maertelaer V, Gevenois PA. Pulmonary emphysema: objective quantification at multi-detector row CT - comparison with macroscopic and microscopic morphometry. *Radiology* 238, 1036-1043, 2006.
- Marcet B, Boeynaems JM. Relationships between cystic fibrosis transmembrane conductance regulator, extracellular nucleotides and cystic fibrosis. *Pharmacol Ther* 112, 719-732, 2006.
- Mendive F, Laurent P, Van Schoore G, Skarnes W, Pochet R, Vassart G. Defective postnatal development of the male reproductive tract in LGR4 knockout mice. *Dev Biol* 290, 421-434, 2006.
- Migeotte I, Communi D, Parmentier M. Formyl peptide receptors: a promiscuous subfamily of G protein-coupled receptors controlling immune responses. *Cytokine Growth Factor Rev* 17, 501-519, 2006.
- Mikics E, Dombi T, Barsvari B, Varga B, Ledent C, Freund TF, Haller J. The effects of cannabinoids on contextual conditioned fear in CB1 knockout and CD1 mice. *Behav Pharmacol* 17, 223-230, 2006.

- Mills SJ, Dozol H, Vandeput F, Backers K, Woodman T, Erneux C, Spiess B, Potter BV. 3-hydroxybenzene 1, 2, 4-trisphosphate, a novel second messenger mimic and unusual substrate for type-I myo-inositol 1, 4, 5-trisphosphate 5-phosphatase: Synthesis and physicochemistry. *Chembiochem* 7, 1696-1706, 2006.
- Moreno C, Nicaise C, Gustot T, Quertinmont E, Nagy N, Parmentier M, Louis H, Devière J. Chemokine receptor CCR5 deficiency exacerbates cerulein-induced acute pancreatitis in mice. *Am J Physiol Gastrointest Liver Physiol* 291, G1089-G1099, 2006.
- Nemeth ZH, Csoka B, Wilmanski J, Xu D, Lu Q, Ledent C, Deitch EA, Pacher P, Spolarics Z, Hasko G. Adenosine A2A receptor inactivation increases survival in polymicrobial sepsis. *J Immunol* 176, 5616-5626, 2006.
- Onclinx C, De Maertelaer V, Gustin P, Gevenois PA. Elastase-induced pulmonary emphysema in rats: comparison of computed density and microscopic morphometry. *Radiology* 241, 763-770, 2006.
- Parmentier M, Detheux M. Deorphanization of G-protein-coupled receptors. *Ernst Schering Found Symp Proc* 2, 163-186, 2006.
- Paternot S, Arsenijevic T, Coulonval K, Bockstaele L, Dumont JE, Roger PP. Distinct specificities of pRb phosphorylation by CDK4 activated by cyclin D1 or cyclin D3: differential involvement in the distinct mitogenic modes of thyroid epithelial cells. *Cell Cycle* 5, 61-70, 2006.
- Paternot S, Dumont JE, Roger PP. Differential utilization of cyclin D1 and cyclin D3 in the distinct mitogenic stimulations by growth factors and TSH of human thyrocytes in primary culture. *Mol Endocrinol* 20, 3279-3292, 2006.
- Pesesse X, Backers K, Moreau C, Zhang J, Blero D, Paternotte N, Erneux C. SHIP1/2 interaction with tyrosine phosphorylated peptides mimicking an immunoreceptor signalling motif. *Adv Enzyme Regul* 46, 142-53, 2006.
- Pollard KS, Salama SR, Lambert N, Lambot MA, Coppens S, Pedersen JS, Katzman S, King B, Onodera C, Siepel A, Kern AD, Dehay C, Igel H, Ares M, Vanderhaeghen P, Haussler D. An RNA gene expressed during cortical development evolved rapidly in humans. *Nature* 443, 167-172, 2006.
- Proost P, Struyf S, Loos T, Gouwy M, Schutyser E, Conings R, Ronsse I, Parmentier M, Grillet B, Opdenakker G, Balzarini J, Van Damme J. Coexpression and interaction of CXCL10 and CD26 in mesenchymal cells by synergising inflammatory cytokines: CXCL8 and CXCL10 are discriminative markers for autoimmune arthropathies. *Arthritis Res Ther* 8, R107, 2006.
- Rosivatz E, Matthews JG, McDonald NQ, Mulet X, Ho KK, Lossi N, Schmid AC, Mirabelli M, Pomeranz KM, Erneux C, Lam EW, Vilar R, Woscholski R. A small molecule inhibitor for phosphatase and tensin homologue deleted on chromosome 10 (PTEN). *ACS Chem Biol* 15, 780-790, 2006.
- Rubesova E, Grell AS, De Maertelaer V, Metens T, Chao SL, Lemort M. Quantitative diffusion imaging in breast cancer: a clinical prospective study. *J Magn Reson Imaging* 24, 319-324, 2006.
- Short JL, Ledent C, Borrelli E, Drago J, Lawrence AJ. Genetic interdependence of adenosine and dopamine receptors: evidence from receptor knockout mice. *Neuroscience* 139, 661-670, 2006.

- Short JL, Ledent C, Drago J, Lawrence AJ. Receptor crosstalk: characterization of mice deficient in dopamine D1 and adenosine A2A receptors. *Neuropsychopharmacology* 31, 525-534, 2006.
- Simonin F, Schmitt M, Laulin JP, Laboureyras E, Jhamandas JH, Mactavish D, Matifas A, Mollereau C, Laurent P, Parmentier M, Kieffer BL, Bourguignon JJ, Simonnet G. RF9, a potent and selective neuropeptide FF receptor antagonist, prevents opioid-induced tolerance associated with hyperalgesia. *Proc Natl Acad Sci USA* 103, 466-471, 2006.
- Soria G, Castane A, Ledent C, Parmentier M, Maldonado R, Valverde O. The lack of A2A adenosine receptors diminishes the reinforcing efficacy of cocaine. *Neuropsychopharmacology* 31, 978-987, 2006.
- Springael JY, Le Minh PN, Urizar E, Costagliola S, Vassart G, Parmentier M. Allosteric modulation of binding properties between units of chemokine receptor homo- and hetero-oligomers. *Mol Pharmacol* 69, 1652-1661, 2006.
- Steuve S, Devosse T, Lauwers E, Vanderwinden JM, Andre B, Courtoy PJ, Pirson I. RhoGTPase-2 is targeted to late-endosomal structures of the vesicular machinery in the presence of activated RhoB. *Exp Cell Res* 312, 3981-3989, 2006.
- Tam J, Ofek O, Fridel E, Ledent C, Gabet Y, Muller R, Zimmer A, Mackie K, Mechoulam R, Shohami E, Bab I. Involvement of neuronal cannabinoid receptor, CB1, in regulation of bone mass and bone remodeling. *Mol Pharmacol* 70, 786-92, 2006.
- Teixeira-Clerc F, Julien B, Grenard P, Tran VN, Deveaux V, Li L, Serriere-Lanneau V, Ledent C, Mallat A, Lotersztajn S. CB1 cannabinoid receptor antagonism: a new strategy for the treatment of liver fibrosis. *Nat Med* 12, 671-676, 2006.
- Theodoropoulou M, Zhang J, Laupheimer S, Paez-Pereda M, Erneux C, Florio T, Pagotto U, Stalla GK. Octreotide, a somatostatin analogue, mediates its antiproliferative action in pituitary tumor cells by altering phosphatidylinositol 3-kinase signaling and inducing *Zac1* expression. *Cancer Res* 66, 1576-1582, 2006.
- Van Durme J, Horn F, Costagliola S, Vriend G, Vassart G. Gris: Glycoprotein-hormone Receptor Information System. *Mol Endocrinol* 20, 2247-2255, 2006.
- Van Eyll JM, Passante L, Pierreux CE, Lemaigre FP, Vanderhaeghen P, Rousseau GG. Eph receptors and their ephrin ligands are expressed in developing mouse pancreas. *Gene Expr Patterns* 6, 353-359, 2006.
- Van Sande J, Dequanter D, Lothaire P, Massart C, Dumont JE, Erneux C. Thyrotropin stimulates the generation of inositol 1, 4, 5-trisphosphate in human thyroid cells. *J Clin Endocrinol Metab* 91, 1099-1107, 2006.
- Van Staveren WC, Detours V, Dumont JE, Maenhaut C. Negative feedbacks in normal cell growth and their suppression in tumorigenesis. *Cell Cycle* 5, 571-572, 2006.
- Van Staveren WC, Solis DW, Delys L, Venet D, Cappello M, Andry G, Dumont JE, Libert F, Detours V, Maenhaut C. Gene expression in human thyrocytes and autonomous adenomas reveals suppression of negative feedbacks in tumorigenesis. *Proc Natl Acad Sci USA* 103, 413-418, 2006.
- Vandeput F, Backers K, Villeret V, Pesesse X, Erneux C. The influence of anionic lipids on SHIP2 phosphatidylinositol 3, 4, 5-trisphosphate 5-phosphatase activity. *Cell Signal* 18, 2193-2199, 2006.
- Vanderwinden JM, Wang D, Paternotte N, Mignon S, Isozaki K, Erneux C. Differences in

signaling pathways and expression level of the phosphoinositide phosphatase SHIP1 between two oncogenic mutants of the receptor tyrosine kinase KIT. *Cell Signal* 18, 661-669, 2006.

Willermain F, Dulku S, Gonzalez NS, Blero D, Driessens G, De Graef C, Caspers L, Bruyns C. 15-Deoxy-12,14-prostaglandin J2 inhibits interferon gamma induced MHC class II but not class I expression on ARPE cells through a PPAR gamma independent mechanism. *Prostaglandins Other Lipid Mediat* 80, 136-143, 2006.

Zhang H, Markadiou N, Beauwens R, Erneux C, Prestwich, G. D. Synthesis and biological activity of PTEN-resistant analogues of phosphatidylinositol 3, 4, 5-trisphosphate. *J Am Chem Soc.* 128, 16464-16465, 2006.

## 2005

Abbracchio MP, Burnstock G, Boeynaems JM, Barnard EA, Boyer JL, Kennedy C, Miras-Portugal MT, King BF, Gachet C, Jacobson KA, Weisman GA. The recently deorphanized GPR80, GPR99 proposed to be the P2Y15 receptor is not a genuine P2Y receptor. *Trends Pharmacol Sci* 26, 8-9, 2005.

Arakawa H, Gevenois PA, Saito Y, Shida H, De Maertelaer V, Morikubo H, Fujioka M. Silicosis: expiratory thin-section CT assessment of airway obstruction. *Radiology* 236, 1059-66, 2005.

Becker JA, Mirjolet JF, Bernard J, Burgeon E, Simons MJ, Vassart G, Parmentier M, Libert F. Activation of GPR54 promotes cell cycle arrest and apoptosis of human tumor cells through a specific transcriptional program not shared by other Gq-coupled receptors. *Biochem Biophys Res Commun* 326, 677-686, 2005.

Behrends J, Clement S, Pajak B, Pohl V, Maenhaut C, Dumont JE, Schurmans, S. Normal thyroid structure and function in rhophilin 2-deficient mice. *Mol. Cell Biol.* 25, 2846-2852, 2005.

Blero D, Zhang J, Pesesse X, Payrastra B, Dumont JE, Schurmans S, Erneux, C. Phosphatidylinositol 3, 4, 5-trisphosphate modulation in SHIP2-deficient mouse embryonic fibroblasts. *FEBS J.* 272, 2512-2522, 2005.

Bodor AL, Katona I, Nyiri G, Mackie K, Ledent C, Hajos N, Freund TF. Endocannabinoid signaling in rat somatosensory cortex: laminar differences and involvement of specific interneuron types. *J Neurosci* 25, 6845-6856, 2005.

Boeynaems JM, Van Giezen H, Savi P, Herbert JM. P2Y receptor antagonists in thrombosis. *Curr Opin Investig Drugs* 6, 275-282, 2005.

Boeynaems JM, Communi D, Suarez-Gonzalez N, Robaye B. Overview of the P2 receptors. *Semin Thromb Hemost* 31, 139-149, 2005.

Boschi A, Daumerie C, Spiritus M, Beguin C, Senou M, Yuksel D, Duplicy M, Costagliola S, Ludgate M, Many MC. Quantification of cells expressing the thyrotropin receptor in extraocular muscles in thyroid associated orbitopathy. *Br J Ophthalmol* 89, 724-729, 2005.

Cadieux JS, Leclerc P, St-Onge M, Dussault AA, Laflamme C, Picard S, Ledent C, Borgeat P, Pouliot M. Potentiation of neutrophil cyclooxygenase-2 by adenosine: an early anti-inflammatory signal. *J Cell Sci* 118, 1437-1447, 2005.

Christophe T, Boeynaems JM, Meoni P. Actions of tilidine and nortilidine on cloned opioid receptors. *Eur J Pharmacol* 506, 205-208, 2005.

- Corbo M, Dujardin T, de Maertelaer V, Malevez C, Glineur R. Dentocraniofacial morphology of 21 patients with unilateral cleft lip and palate: a cephalometric study. *Cleft Palate Craniofac J* 42, 618-624, 2005.
- Cordonnier M, de Maertelaer V. Screening for amblyogenic factors in preschool children with the retinomax hand-held refractor: do positive children have amblyopia and is treatment efficacious? *Strabismus* 13, 27-32, 2005.
- Costagliola S, Urizar E, Mendive F, Vassart G. Specificity and promiscuity of gonadotropin receptors. *Reproduction* 130, 275-281, 2005.
- Delbaere A, Smits G, De Leener A, Costagliola S, Vassart G. Understanding ovarian hyperstimulation syndrome. *Endocrine* 26, 285-290, 2005.
- Depaepe V, Suarez-Gonzalez N, Dufour A, Passante L, Gorski JA, Jones KR, Ledent C, Vanderhaeghen P. Ephrin signalling controls brain size by regulating apoptosis of neural progenitors. *Nature* 435, 1244-1250, 2005.
- Depaepe V, Vanderhaeghen P. [Lethal signals controlling brain size]. *Med Sci Paris* 21, 795-797, 2005.
- Detours V, Wattel S, Venet D, Hutsebaut N, Bogdanova T, Tronko MD, Dumont JE, Franc B, Thomas G, Maenhaut C. Absence of a specific radiation signature in post-Chernobyl thyroid cancers. *Br J Cancer* 92, 1545-1552, 2005.
- Duhant X, Suarez Gonzalez N, Schandené L, Goldman M, Communi D, Boeynaems JM. Molecular mechanisms of extracellular adenine nucleotides-mediated inhibition of human Cd4<sup>+</sup> T lymphocytes activation. *Purinergic Signal* 1, 377-381, 2005.
- Dumont JE, Maenhaut C, Christophe D, Vassart G, Roger PP. Thyroid regulatory factors. In : *Endocrinology, Fifth Edition*, Eds DeGroot LJ, Jameson JL; Saunders Elsevier Volume 2, Part 10 "Thyroid". pp 1837-1860, 2005.
- Dumont JE, Maenhaut C, Christophe D, Vassart G, Roger PP. Chapter 1. The Phylogeny, Ontogeny, Anatomy and Regulation of the Iodine Metabolizing Thyroid. In: *Thyroid Disease Manager*, Eds Leslie J. De Groot, Georg Hennemann, Endocrine Education, Inc, 2005.
- Egea J, Nissen UV, Dufour A, Sahin M, Greer P, Kullander K, Mrcicflogel TD, Greenberg ME, Kiehn O, Vanderhaeghen P, Klein R. Regulation of EphA 4 kinase activity is required for a subset of axon guidance decisions suggesting a key role for receptor clustering in Eph function. *Neuron* 47, 515-528, 2005.
- El Asmar L, Springael JY, Ballet S, Andrieu EU, Vassart G, Parmentier M. Evidence for negative binding cooperativity within CCR5-CCR2b heterodimers. *Mol Pharmacol* 67, 460-469, 2005.
- El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Reduced appetite for caffeine in adenosine A<sub>2A</sub> receptor knockout mice. *Eur J Pharmacol* 519, 290-291, 2005.
- Fortemaison N, Blancquaert S, Dumont JE, Maenhaut C, Aktories K, Roger PP, Dremier S. Differential involvement of the actin cytoskeleton in differentiation and mitogenesis of thyroid cells: inactivation of Rho proteins contributes to cyclic adenosine monophosphate-dependent gene expression but prevents mitogenesis. *Endocrinology* 146, 5485-5495, 2005.
- Fortemaison N, Miot F, Dumont JE, Dremier S. Regulation of H<sub>2</sub>O<sub>2</sub> generation in thyroid cells does not involve Rac1 activation. *Eur J Endocrinol* 152, 127-133, 2005.
- Forteza R, Salathe M, Miot F, Forteza R, Conner GE. Regulated hydrogen peroxide

- production by Duox in human airway epithelial cells. *Am J Respir Cell Mol Biol* 32, 462-469, 2005.
- Franco N, Lamartine J, Frouin V, Le Minter P, Petat C, Leplat JJ, Libert F, Gidrol X, Martin MT. Low-dose exposure to gamma rays induces specific gene regulations in normal human keratinocytes. *Radiat Res* 163, 623-635, 2005.
- Ghanem E, Lovdahl C, Dare E, Ledent C, Fredholm BB, Boeynaems JM, Van Driessche W, Beauwens R. Luminal adenosine stimulates chloride secretion through A1 receptor in mouse jejunum. *Am J Physiol Gastrointest Liver Physiol* 288, G972-G977, 2005.
- Ghanem E, Robaye B, Leal T, Leipziger J, Van Driessche W, Beauwens R, Boeynaems JM. The role of epithelial P2Y2 and P2Y4 receptors in the regulation of intestinal chloride secretion. *Br J Pharmacol* 146, 364-369, 2005.
- Grasberger H, Mimouni-Bloch A, Vantuyghem MC, Van Vliet G, Abramowicz M, Metzger DL, Abdullatif H, Rydlewski C, Macchia PE, Scherberg NH, Van Sande J, Mimouni M, Weiss RE, Vassart G, Refetoff S. Autosomal dominant resistance to thyrotropin as a distinct entity in five multigenerational kindreds: clinical characterization and exclusion of candidate loci. *J Clin Endocrinol Metab* 90, 4025-4034, 2005.
- Grasberger H, Vaxillaire M, Pannain S, Beck JC, Mimouni-Bloch A, Vatin V, Vassart G, Froguel P, Refetoff S. Identification of a locus for nongoitrous congenital hypothyroidism on chromosome 15q25.3-26.1. *Hum Genet* 118, 348-355, 2005.
- Grasberger H, Ringkananont U, Lefrancois P, Abramowicz M, Vassart G, Refetoff S. Thyroid transcription factor 1 rescues PAX8/p300 synergism impaired by a natural PAX8 paired domain mutation with dominant negative activity. *Mol Endocrinol* 19, 1779-1791, 2005.
- Guns PJ, Korda A, Crauwels HM, Van Assche T, Robaye B, Boeynaems JM, Bult H. Pharmacological characterization of nucleotide P2Y receptors on endothelial cells of the mouse aorta. *Br J Pharmacol* 146, 288-295, 2005.
- Haller J, Szirmai M, Varga B, Ledent C, Freund TF. Cannabinoid CB1 receptor dependent effects of the NMDA antagonist phencyclidine in the social withdrawal model of schizophrenia. *Behav Pharmacol* 16, 415-422, 2005.
- Harada K, Takeuchi H, Oike M, Matsuda M, Kanematsu T, Yagisawa H, Nakayama KI, Maeda K, Erneux C, Hirata M. Role of PRIP-1, a novel Ins, 1, 4, 5P3 binding protein, in Ins, 1, 4, 5P3-mediated Ca<sup>2+</sup> signaling. *J Cell Physiol* 202, 422-433, 2005.
- Houchi H, Babovic D, Pierrefiche O, Ledent C, Daoust M, Naassila M. CB1 receptor knockout mice display reduced ethanol-induced conditioned place preference and increased striatal dopamine D2 receptors. *Neuropsychopharmacology* 30, 339-349, 2005.
- Jacquet S, Malaval C, Martinez, L. O. , Sak K, Rolland C, Perez C, Nauze M, Champagne E, Terce F, Gachet C, Perret B, Collet X, Boeynaems JM, Barbaras R. The nucleotide receptor P2Y13 is a key regulator of hepatic high-density lipoprotein, HDL endocytosis. *Cell Mol Life Sci* 62, 2508-2515, 2005.
- Jardinaud F, Crete D, Canestrelli C, Ledent C, Roques BP, Noble F. CB1 receptor knockout mice show similar behavioral modifications to wild-type mice when enkephalin catabolism is inhibited. *Brain Res* 1063, 77-83, 2005.
- Kaufmann A, Musset B, Limberg SH, Renigunta V, Sus R, Dalpke AH, Heeg KM, Robaye B, Hanley PJ. "Host tissue damage" signal ATP promotes non-directional migration and negatively regulates tolllike receptor signaling in human monocytes. *J Biol Chem* 280, 32459-

32467, 2005.

Keyzer C, Zalcman M, De Maertelaer V, Coppens E, Bali MA, Gevenois PA, Van Gansbeke D. Comparison of US and unenhanced multi-detector row CT in patients suspected of having acute appendicitis. *Radiology* 236, 527-534, 2005.

Kim YC, Lee JS, Sak K, Marteau F, Mamedova L, Boeynaems JM, Jacobson KA. Synthesis of pyridoxal phosphate derivatives with antagonist activity at the P2Y<sub>13</sub> receptor. *Biochem Pharmacol* 70, 266-274, 2005.

Kofalvi A, Rodrigues RJ, Ledent C, Mackie K, Vizi ES, Cunha RA, Sperlagh B. Involvement of cannabinoid receptors in the regulation of neurotransmitter release in the rodent striatum: a combined immunochemical and pharmacological analysis. *J Neurosci* 25, 2874-2884, 2005.

Kohrle J, Jakob F, Contempre B, Dumont JE. Selenium, the thyroid, and the endocrine system. *Endocr Rev* 26, 944-984, 2005.

Lagane B, Ballet S, Planchenault T, Balabanian K, Le Poul E, Blanpain C, Percherancier Y, Staropoli I, Vassart G, Oppermann M, Parmentier M, Bachelier F. Mutation of the DRY motif reveals different structural requirements for the CC chemokine receptor 5-mediated signaling and receptor endocytosis. *Mol Pharmacol* 67, 1966-1976, 2005.

Lambot MA, Depasse F, Noel JC, Vanderhaeghen P. Mapping labels in the human developing visual system and the evolution of binocular vision. *J Neurosci* 25, 7232-7237, 2005.

Laurent P, Becker JA, Valverde O, Ledent C, De Kerchove DA, Schiffmann SN, Maldonado R, Vassart G, Parmentier M. The prolactin-releasing peptide antagonizes the opioid system through its receptor GPR10. *Nat Neurosci* 8, 1735-1741, 2005.

Ledent C, Demeestere I, Blum D, Petermans J, Hamalainen T, Smits G, Vassart G. Premature ovarian aging in mice deficient for Gpr3. *Proc Natl Acad Sci USA* 102, 8922-8926, 2005.

Markadieu N, Crutzen R, Blero D, Erneux C, Beauwens R. Hydrogen peroxide and epidermal growth factor activate phosphatidylinositol 3-kinase and increase sodium transport in A6 cell monolayers. *Am J Physiol Renal Physiol* 288, F1201-F1212, 2005.

Marteau F, Gonzalez, N. S., Communi D, Goldman M, Boeynaems JM, Communi D. Thrombospondin-1 and indoleamine 2, 3-dioxygenase are major targets of extracellular ATP in human dendritic cells. *Blood* 106, 3860-3866, 2005.

Matos JE, Robaye B, Boeynaems JM, Beauwens R, Leipziger J. K<sup>+</sup> secretion activated by luminal P2Y<sub>2</sub> and P2Y<sub>4</sub> receptors in mouse colon. *J Physiol* 564, 269-279, 2005.

Mendive FM, Van Loy T, Claeysen S, Poels J, Williamson M, Hauser F, Grimmlikhuijzen CJ, Vassart G, Vanden Broeck J. Drosophila molting neurohormone bursicon is a heterodimer and the natural agonist of the orphan receptor DLGR2. *FEBS Lett* 579, 2171-2176, 2005.

Migeotte I, Riboldi E, Franssen JD, Gregoire F, Loison C, Wittamer V, Detheux M, Robberecht P, Costagliola S, Vassart G, Sozzani S, Parmentier M, Communi, D. Identification and characterization of an endogenous chemotactic ligand specific for FPRL2. *J Exp Med* 201, 83-93, 2005.

Moreno C, Gustot T, Nicaise C, Quertinmont E, Nagy N, Parmentier M, Le Moine O, Deviere J, Louis H. CCR5 deficiency exacerbates T-cell-mediated hepatitis in mice. *Hepatology* 42, 854-862, 2005.

Paternotte N, Zhang J, Vandenbroere I, Backers K, Blero D, Kioka N, Vanderwinden JM, Pirson I, Erneux C. SHIP2 interaction with the cytoskeletal protein Vinexin. *FEBS J* 272, 6052-6066, 2005.

Pesesse X, Leyman A, Luyten T, Missiaen L, Erneux C. Hyperosmotic stress stimulates inositol 1, 4, 5-trisphosphate and inositol 1, 3, 4, 5-tetrakisphosphate formation independently of bis-diphosphoinositol tetrakisphosphate modulation. *Biochem Biophys Res Commun* 336, 157-162, 2005.

Poinas A, Backers K, Riley AM, Mills SJ, Moreau C, Potter BV, Erneux C. Interaction of the catalytic domain of inositol 1, 4, 5-trisphosphate 3-kinase A with inositol phosphate analogues. *Chembiochem* 6, 1449-1457, 2005.

Soria G, Mendizabal V, Tourino C, Robledo P, Ledent C, Parmentier M, Maldonado R, Valverde O. Lack of CB1 cannabinoid receptor impairs cocaine self-administration. *europsychopharmacology* 30, 1670-1680, 2005.

Springael JY, Urizar E, Parmentier M. Dimerization of chemokine receptors and its functional consequences. *Cytokine Growth Factor Rev* 16, 611-623, 2005.

Staebler M, Donner C, Van Regemorter N, Duprez L, De Maertelaer V, Devreker F, Avni F. Should determination of the karyotype be systematic for all malformations detected by obstetrical ultrasound? *Prenat Diagn* 25, 567-573, 2005.

Tack D, Bohy P, Perlot I, De Maertelaer V, Alkeilani O, Sourtzis S, Gevenois PA. Suspected acute colon diverticulitis: imaging with low-dose unenhanced multi-detector row CT. *Radiology* 237, 189-196, 2005.

Tack D, De Maertelaer V, Petit W, Scillia P, Muller P, Suess C, Gevenois PA. Multi-detector row CT pulmonary angiography: comparison of standard-dose and simulated low-dose techniques. *Radiology* 236, 318-325, 2005.

Thierry C, Boeynaems JM, Paolo M. Actions of tilidine and nortilidine on cloned opioid receptors. *Eur J Pharmacol* 506, 205-208, 2005.

Trakatelli M, Toungouz M, Lambermont M, Heenen M, Velu T, Bruyys C. Immune characterization of clinical grade-dendritic cells generated from cancer patients and genetically modified by an ALVAC vector carrying MAGE minigenes. *Cancer Gene Ther* 12, 552-559, 2005.

Ullmann H, Meis S, Hongwiset D, Marzian C, Wiese M, Nickel P, Communi D, Boeynaems JM, Wolf C, Hausmann R, Schmalzing G, Kassack MU. Synthesis and structure-activity relationships of suramin-derived P2Y<sub>11</sub> receptor antagonists with nanomolar potency. *J Med Chem* 48, 7040-7048, 2005.

Urigen L, Berrendero F, Ledent C, Maldonado R, Manzanares J. Kappa and delta-opioid receptor functional activities are increased in the caudate putamen of cannabinoid CB1 receptor knockout mice. *Eur J Neurosci* 22, 2106-2110, 2005.

Urizar E, Montanelli L, Loy T, Bonomi M, Swillens S, Gales C, Bouvier M, Smits G, Vassart G, Costagliola S. Glycoprotein hormone receptors: link between receptor homodimerization and negative cooperativity. *EMBO J* 24, 1954-1964, 2005.

Urizar E, Claeysen S, Deupi X, Govaerts C, Costagliola S, Vassart G, Pardo, L. An activation switch in the rhodopsin family of G protein-coupled receptors: the thyrotropin receptor. *J Biol Chem* 280, 17135-17141, 2005.

Van Schoore G, Mendive F, Pochet R, Vassart G. Expression pattern of the orphan receptor

LGR4/GPR48 gene in the mouse. *Histochem Cell Biol* 124, 35-50, 2005.

Vandeput F, Zabeau M, Maenhaut, C. Identification of differentially expressed genes in thyrotropin stimulated dog thyroid cells by the cDNA-AFLP technique. *Mol Cell Endocrinol* 243, 58-65, 2005.

Vassart G, Dumont JE. Thyroid dysgenesis: multigenic or epigenetic . . . or both? *Endocrinology* 146, 5035-5037, 2005.

Vassart G, Vanden Broeck J, Mendive F, Van Loy T. The parable of the mandarin. *EMBO Rep* 6, 592, 2005.

Vermi W, Riboldi E, Wittamer V, Gentili F, Luini W, Marrelli S, Vecchi A, Franssen JD, Communi D, Massardi L, Sironi M, Mantovani A, Parmentier M, Facchetti F, Sozzani S. Role of ChemR23 in directing the migration of myeloid and plasmacytoid dendritic cells to lymphoid organs and inflamed skin. *J Exp Med* 201, 509-515, 2005.

Vonend O, Stegbauer J, Sojka J, Habel S, Quack I, Robaye B, Boeynaems JM, Rump LC. Noradrenaline and extracellular nucleotide cotransmission involves activation of vasoconstrictive P2X, 1, 3- and P2Y6- like receptors in mouse perfused kidney. *Br J Pharmacol* 145, 66-74, 2005.

Wang D, De Deken X, Milenkovic M, Song Y, Pirson I, Dumont JE, Miot, F. Identification of a novel partner of duox: EFP1, a thioredoxin- related protein. *J Biol Chem* 280, 3096-3103, 2005.

Wattel S, Mircescu H, Venet D, Burniat A, Franc B, Frank S, Andry G, Van Sande J, Rocmans P, Dumont JE, Detours V, Maenhaut C. Gene expression in thyroid autonomous adenomas provides insight into their physiopathology. *Oncogene* 24, 6902-6916, 2005.

Wittamer V, Bondue B, Guillabert A, Vassart G, Parmentier M, Communi D. Neutrophil-mediated maturation of chemerin: a link between innate and adaptive immunity. *J Immunol* 175, 487-493, 2005.

## 2004

Arsenijevic T, Degraef C, Dumont JE, Roger PP, Pirson I. A novel partner for D-type cyclins: protein kinase A-anchoring protein AKAP95. *Biochem J* 378, 673-679, 2004.

Arvanitakis M, Van Laethem JL, Parma J, De Maertelaer V, Delhay M, Devière J. Predictive factors for pancreatic cancer in patients with chronic pancreatitis in association with K-ras gene mutation. *Endoscopy* 36, 535-542, 2004.

Bailey A, Davis L, Lesscher HM, Kelly MD, Ledent C, Hourani SM, Kitchen I. Enhanced morphine withdrawal and micro-opioid receptor G-protein coupling in A2A adenosine receptor knockout mice. *J Neurochem* 88, 827-834, 2004.

Bankier AA, O'Donnell CR, Mai VM, Storey P, De Maertelaer V, Edelman RR, Chen Q. Impact of lung volume on MR signal intensity changes of the lung parenchyma. *J Magn Reson Imaging* 20, 961-966, 2004.

Barna I, Zelena D, Arszovszki AC, Ledent C. The role of endogenous cannabinoids in the hypothalamo-pituitary-adrenal axis regulation: in vivo and in vitro studies in CB1 receptor knockout mice. *Life Sci* 75, 2959-2970, 2004.

Boeynaems JM, De Leener A, Dessars B, Villa-Lobos HR, Aubry JC, Cotton F, Thiry P. Evaluation of a new generation of plastic evacuated blood-collection tubes in clinical

chemistry, therapeutic drug monitoring, hormone and trace metal analysis. *Clin Chem Lab Med* 42, 67-71, 2004.

Broeders EN, Abramowicz D, Abramowicz MJ, Parma J. A novel mutation of tumor necrosis factor receptor alpha type 1 associated with TRAPS and amyloidosis. *Am J Med Genet A* 128, 331, 2004.

Christophe-Hobertus C, Kooy F, Gecz J, Abramowicz MJ, Holinskifeder E, Schwartz C, Christophe D. TM4SF10 gene sequencing in XLMR patients identifies common polymorphisms but no disease-associated mutation. *BMC Med Genet* 5, 22, 2004.

Christophe D. The control of thyroid-specific gene expression: what exactly have we learned as yet? *Mol. Cell Endocrinol.* 223, 1-4, 2004.

Claes P, Van Kolen K, Roymans D, Blero D, Vissenberg K, Erneux C, Verbelen JP, Esmans EL, Slegers H. Reactive blue 2 inhibition of cyclic AMP-dependent differentiation of rat C6 glioma cells by purinergic receptor-independent inactivation of phosphatidylinositol 3-kinase. *Biochem Pharmacol* 67, 1489-1498, 2004.

Contempre B, De Escobar GM, Deneff JF, Dumont JE, Many MC. Thiocyanate induces cell necrosis and fibrosis in selenium- and iodine-deficient rat thyroids: a potential experimental model for myxedematous endemic cretinism in central Africa. *Endocrinology* 145, 994-1002, 2004.

Cordonnier M, De Maertelaer V. Comparison between two hand-held autorefractors: the Sure-Sight and the Retinomax. *Strabismus* 12, 261-274, 2004.

Costa MJ, Song Y, Macours P, Massart C, Many MC, Costagliola S, Dumont JE, Van Sande J, Vanvooren V. Sphingolipid-cholesterol domains, lipid rafts in normal human and dog thyroid follicular cells are not involved in thyrotropin receptor signaling. *Endocrinology* 145, 1464-1472, 2004.

Daelemans C, Smits G, De M, V, Costagliola S, Englert Y, Vassart G, Delbaere A. Prediction of severity of symptoms in iatrogenic ovarian hyperstimulation syndrome by follicle-stimulating hormone receptor Ser680Asn polymorphism. *J Clin Endocrinol Metab* 89, 6310-6315 *Life Sci.* 75, 2959-2970, 2004.

Dan B, Abramowicz MJ. From genotoxic ailments to genetic disorders: Ireland's On Idiocy and Imbecility Revisited. *Dev Med Child Neurol* 46, 646-647, 2004.

Delbaere A, Smits G, Olatunbosun O, Pierson R, Vassart G, Costagliola S. New insights into the pathophysiology of ovarian hyperstimulation syndrome. What makes the difference between spontaneous and iatrogenic syndrome? *Hum Reprod* 19, 486-489, 2004.

Driessens G, Hamdane M, Cool V, Velu T, Bruyns C. Highly successful therapeutic vaccinations combining dendritic cells and tumor cells secreting granulocyte macrophage colony-stimulating factor. *Cancer Res* 64, 8435-8442, 2004.

Emiliani S, Gonzalez-Merino E, Englert Y, Abramowicz M. Comparison of the validity of preimplantation genetic diagnosis for embryo chromosomal anomalies by fluorescence in situ hybridization on one or two blastomeres. *Genet Test* 8, 69-72, 2004.

Franchimont D, Vermeire S, El Housni H, Pierik M, Van Steen K, Gustot T, Quertinmont E, Abramowicz M, Van Gossuin A, Deviere J, Rutgeerts P. Deficient host-bacteria interactions in inflammatory bowel disease? The toll-like receptor, TLR-4 Asp299gly polymorphism is associated with Crohn's disease and ulcerative colitis. *Gut* 53, 987-992, 2004.

- Gangji V, Hauzeur JP, Matos C, De Maertelaer V, Toungouz M, Lambermont M. Treatment of osteonecrosis of the femoral head with implantation of autologous bone-marrow cells. A pilot study. *J Bone Joint Surg Am* 86-A, 1153-60, 2004.
- Goffard JC, Jin L, Mircescu H, Van Hummelen P, Ledent C, Dumont JE, Corvilain B. Gene expression profile in thyroid of transgenic mice overexpressing the adenosine receptor 2a. *Mol Endocrinol* 18, 194-213, 2004.
- Halldner L, Lopes LV, Dare E, Lindstrom K, Johansson B, Ledent C, Cunha RA, Fredholm BB. Binding of adenosine receptor ligands to brain of adenosine receptor knock-out mice: evidence that CGS 21680 binds to A1 receptors in hippocampus. *Naunyn Schmiedeberg Arch Pharmacol* 370, 270-278, 2004.
- Halldner L, Aden U, Dahlberg V, Johansson B, Ledent C, Fredholm BB. The adenosine A1 receptor contributes to the stimulatory, but not the inhibitory effect of caffeine on locomotion: a study in mice lacking adenosine A1 and/or A2A receptors. *Neuropharmacology* 46, 1008-1017, 2004.
- Haller J, Varga B, Ledent C, Freund TF. CB1 cannabinoid receptors mediate anxiolytic effects: convergent genetic and pharmacological evidence with CB1-specific agents. *Behav Pharmacol* 15, 299-304, 2004.
- Haller J, Varga B, Ledent C, Barna I, Freund TF. Context-dependent effects of CB1 cannabinoid gene disruption on anxiety-like and social behaviour in mice. *Eur J Neurosci* 19, 1906-1912, 2004.
- Hascakova-Bartova R, Pouillon V, Dewaste V, Moreau C, Jacques C, Banting G, Schurmans S, Erneux C. Identification and subcellular distribution of endogenous Ins, 1, 4, 5P, 3 3-kinase B in mouse tissues. *Biochem Biophys Res Commun* 323, 920-925, 2004.
- Jacobs C, Onnockx S, Vandenbroere I, Pirson I. Endogenous SHIP2 does not localize in lipid rafts in 3T3-L1 adipocytes. *FEBS Lett* 565, 70-74, 2004.
- Kaisaki, P. J., Delepine M, Woon, P. Y., Sebag-Montefiore L, Wilder SP, Menzel S, Vionnet N, Marion E, Riveline JP, Charpentier G, Schurmans S, Levy JC, Lathrop M, Farrall M, Gauguier D. Polymorphisms in type II SH2 domaincontaining inositol 5-phosphatase, INPPL1, SHIP2 are associated with physiological abnormalities of the metabolic syndrome. *Diabetes* 53, 1900-1904, 2004.
- Keyzer C, Tack D, de Maertelaer V, Bohy P, Gevenois PA, Van Gansbeke D. Acute appendicitis: comparison of low-dose and standard-dose unenhanced multi-detector row CT. *Radiology* 232, 164-172, 2004.
- Kelly M, Bailey A, Ledent C, Kitchen I, Hourani, S. Characterization of [3H]ZM 241385 binding in wild-type and adenosine A2A receptor knockout mice. *Eur J Pharmacol* 504, 55-59, 2004.
- Kimura ET, Vanvooren V, Van Sande J, Nikiforov YE, Fagin JA. Autonomously functioning thyroid nodules are not associated with BRAF mutations. *Clin Endocrinol Oxf* 60, 394-396, 2004.
- Lee HY, Xu Y, Huang Y, Ahn AH, Auburger GW, Pandolfo M, Kwiecinski H, Grimes DA, Lang AE, Nielsen JE, Averyanov Y, Servidei S, Friedman A, Van Bogaert P, Abramowicz MJ, Bruno MK, Sorensen BF, Tang L, Fu YH, Ptacek LJ. The gene for paroxysmal non-kinesigenic dyskinesia encodes an enzyme in a stress response pathway. *Hum Mol Genet* 13, 3161-3170, 2004.
- Lopes LV, Halldner L, Rebola N, Johansson B, Ledent C, Chen JF, Fredholm BB, Cunha RA.

Binding of the prototypical adenosine A<sub>2A</sub> receptor agonist CGS 21680 to the cerebral cortex of adenosine A<sub>1</sub> and A<sub>2A</sub> receptor knockout mice. *Br J Pharmacol* 141, 1006-1014, 2004.

Markadieu N, Blero D, Boom A, Erneux C, Beauwens R. Phosphatidylinositol 3, 4, 5-trisphosphate: an early mediator of insulin-stimulated sodium transport in A6 cells. *Am J Physiol Renal Physiol* 287, F319-F328, 2004.

Marteau F, Communi D, Boeynaems JM, Suarez GN. Involvement of multiple P2Y receptors and signaling pathways in the action of adenine nucleotides diphosphates on human monocyte-derived dendritic cells. *J Leukoc Biol* 76, 796-803, 2004.

Meeus L, Gilbert B, Rydlewski C, Parma J, Roussie AL, Abramowicz M, Vilain C, Christophe D, Costagliola S, Vassart G. Characterization of a novel loss of function mutation of PAX8 in a familial case of congenital hypothyroidism with in-place, normal-sized thyroid. *J Clin Endocrinol Metab* 89, 4285-4291, 2004.

Montanelli L, Delbaere A, Di Carlo C, Nappi C, Smits G, Vassart G, Costagliola S. A mutation in the follicle-stimulating hormone receptor as a cause of familial spontaneous ovarian hyperstimulation syndrome. *J Clin Endocrinol Metab* 89, 1255-1258, 2004.

Naassila M, Pierrefiche O, Ledent C, Daoust M. Decreased alcohol self-administration and increased alcohol sensitivity and withdrawal in CB1 receptor knockout mice. *Neuropharmacology* 46, 243-253, 2004.

Pachucki J, Wang D, Christophe D, Miot F. Structural and functional characterization of the two human ThOX/Duox genes and their 5'-flanking regions. *Mol Cell Endocrinol* 214, 53-62, 2004.

Parmentier M. [Characterization of new chemoattractant agents in leukocytes]. *Bull Mem Acad R Med Belg* 159, 515-520, 2004.

Pichon B, Vankerckhove S, Bourrouillou G, Duprez L, Abramowicz MJ. A translocation breakpoint disrupts the ASPM gene in a patient with primary microcephaly. *Eur J Hum Genet* 12, 419-421, 2004.

Pichon B, Taelman V, Bellefroid EJ, Christophe D. Transcriptional repression by the bHLH-Orange factor XHRT1 does not involve the C-terminal YRPW motif. *Biochim Biophys Acta* 1680, 46-52, 2004.

Poels J, Van Loy T, Franssens V, Detheux M, Nachman RJ, Oonk HB, Akerman KE, Vassart G, Parmentier M, De Loof A, Torfs H, Vanden Broeck J. Substitution of conserved glycine residue by alanine in natural and synthetic neuropeptide ligands causes partial agonism at the stomoxytachykinin receptor. *J Neurochem* 90, 472-478, 2004.

Snell BJ, Day A, Ledent C, Lawrence AJ. [<sup>3</sup>H]Adenosine uptake in brainstem membranes of CD-1 mice lacking the adenosine A<sub>2A</sub> receptor. *Life Sci* 75, 225-235, 2004.

Sokolow S, Manto M, Gailly P, Molgo J, Vandebrouck C, Vanderwinden JM, Herchuelz A, Schurmans S. Impaired neuromuscular transmission and skeletal muscle fiber necrosis in mice lacking Na/Ca exchanger 3. *J Clin Invest* 113, 265-273, 2004.

Soria G, Castane A, Berrendero F, Ledent C, Parmentier M, Maldonado R, Valverde O. Adenosine A<sub>2A</sub> receptors are involved in physical dependence and place conditioning induced by THC. *Eur J Neurosci* 20, 2203-2213, 2004.

Suarez-Gonzalez N, Communi D, Hannedouche S, Boeynaems JM. The fate of P2Y-related orphan receptors: GPR80/99 and GPR91 are receptors of dicarboxylic acids. *Purinergic*

Signal 1, 17-20, 2004.

Swillens S, Goffard JC, Marechal Y, De Kerchove A, El Housni H. Instant evaluation of the absolute initial number of cDNA copies from a single real-time PCR curve. *Nucleic Acids Res* 32, e56, 2004.

Taelman V, Van Wayenbergh R, Solter M, Pichon B, Pieler T, Christophe D, Bellefroid EJ. Sequences downstream of the bHLH domain of the *Xenopus* hairy-related transcription factor-1 act as an extended dimerization domain that contributes to the selection of the partners. *Dev Biol* 276, 47-63, 2004.

Uriguen L, Perez-Rial S, Ledent C, Palomo T, Manzanares J. Impaired action of anxiolytic drugs in mice deficient in cannabinoid CB1 receptors. *Neuropharmacology* 46, 966-973, 2004.

Vanderhaeghen P, Polleux F. Developmental mechanisms patterning thalamocortical projections: intrinsic, extrinsic and in between. *Trends Neurosci* 27, 384-391, 2004.

Vassart G, Costagliola S. A physiological role for the posttranslational cleavage of the thyrotropin receptor? *Endocrinology* 145, 1-3, 2004.

Vilain C, Vassart G. Small amplified RNA-SAGE. *Methods Mol Biol* 258, 135-152, 2004.

Wang Y, Keogh RJ, Hunter MG, Mitchell CA, Frey RS, Javaid K, Malik AB, Schurmans S, Tridandapani S, Marsh CB. SHIP2 is recruited to the cell membrane upon macrophage colony-stimulating factor, M-CSF stimulation and regulates M-CSF-induced signaling. *J Immunol* 173, 6820-6830, 2004.

Wittamer V, Gregoire F, Robberecht P, Vassart G, Communi D, Parmentier M. The C-terminal nonapeptide of mature chemerin activates the chemerin receptor with low nanomolar potency. *J Biol Chem* 279, 9956-9962, 2004.

## 2003

Abada HT, Sapoval MR, Paul JF, De Maertelaer V, Mousseaux E, Gaux JC. Aneurysmal sizing after endovascular repair in patients with abdominal aortic aneurysm: interobserver variability of various measurement protocols and its clinical relevance. *Eur Radiology* 13, 2699-2704, 2003.

Abbracchio MP, Boeynaems JM, Barnard EA, Boyer JL, Kennedy C, Miras-Portugal MT, King BF, Gachet C, Jacobson KA, Weisman GA, Burnstock G. Characterization of the UDP-glucose receptor (re-named here the P2Y<sub>14</sub> receptor) adds diversity to the P2Y receptor family. *Trends Pharmacol Sci* 24, 52-55, 2003.

Aden U, Halldner L, Lagercrantz H, Dalmau I, Ledent C, Fredholm BB. Aggravated brain damage after hypoxic ischemia in immature adenosine A<sub>2A</sub> knockout mice. *Stroke* 34, 739-744, 2003.

Amara A, Vidy A, Boulla G, Mollier K, Garcia-Perez J, Alcami J, Blanpain C, Parmentier M, Virelizier JL, Charneau P, Arenzana-Seisdedos F. G protein-dependent CCR5 signaling is not required for efficient infection of primary T lymphocytes and macrophages by R5 human immunodeficiency virus type I isolates. *J Virol* 77, 2550-2558, 2003.

Ammoun S, Holmqvist T, Shariatmadari R, Oonk HB, Detheux M, Parmentier M, Akerman KEO, and Kukkonen JP. Distinct recognition of OX1 and OX2 receptors by orexin peptides. *J Pharmacol Exp Therap* 305, 507-514, 2003.

- Ates M, Hamza M, Seidel K, Kotalla CE, Ledent C, Guhring H. Intrathecally applied flurbiprofen produces an endocannabinoid-dependent antinociception in the rat formalin test. *Eur J Neurosci* 17, 597-604, 2003.
- Autiero M, Waltenberger J, Communi D, Kranz A, Moons L, Lambrechts D, Kroll J, Plaisance S, De Mol M, Bono F, Kliche S, Fellbrich G, Ballmer-Hofer K, Maglione D, Mayr-Beyrle U, Dewerchin M, Dombrowski S, Stanimirovic D, Van Hummelen P, Dehio C, Hicklin DJ, Persico G, Herbert JM, Communi D, Shibuya M, Collen D, Conway EM, Carmeliet P. Role of PIGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. *Nature Medicine* 9, 936-943, 2003.
- Backers K, Blero D, Paternotte N, Zhang J, Erneux C. The termination of PI3K signalling by SHIP1 and SHIP2 inositol 5-phosphatases. *Adv Enzyme Regulation* 43, 15-28, 2003.
- Bali E, Willermain F, Caspers-Velu L, Dubois C, Dehou MF, Velu T, Libert J, Bruyns C. 2003. IL-10 in vivo gene expression in a cell- induced animal model of proliferative vitreoretinopathy. *Int J Mol Med* 12, 305-310, 2003.
- Bankier AA, van Muylem A, Scillia P, De Maertelaer V, Estenne M, Gevenois PA. Air trapping in heart- lung transplant recipients: Variability of anatomic distribution and extent at sequential expiratory thin-section CT. *Radiology* 229, 737-742, 2003.
- Berrendero F, Castane A, Ledent C, Parmentier M, Maldonado R, Valverde O. Increase of morphine withdrawal in mice lacking A2a receptors and no changes in CB1/A2a double knockout mice. *Eur J Neurosci* 17, 315-324.
- Blanpain C, Le Poul E, Parma J, Knoop C, Detheux M, Parmentier M, Vassart G, Abramowicz MJ. Serotonin 5-HT(2B) receptor loss of function mutation in a patient with fenfluramine-associated primary pulmonary hypertension. *Cardiovasc Res* 60, 518-528, 2003.
- Blanpain C, Doranz BJ, Bondue A, Govaerts C, De Leener A, Vassart G, Doms RW, Proudfoot A, Parmentier M. The core domain of chemokines bind CCR5 extracellular domains while their amino-terminus interacts with the transmembrane helix bundle. *J Biol Chem* 278, 5179-5187, 2003.
- Blum D, Galas MC, Pintor A, Brouillet E, Ledent C, Muller CE, Bantubungi K, Galluzzo M, Gall D, Cuvelier L, Rolland AS, Popoli P, Schiffmann SN. A dual role of adenosine A<sub>2A</sub> receptors in 3-nitropropionic acid- induced striatal lesions: Implications for the neuroprotective potential of A<sub>2A</sub> antagonists. *J Neurosci* 23, 5361-5369, 2003.
- Boeynaems JM, Wilkin F, Marteau F, Duhant X, Savi P, Suarez-Gonzalez N, Robaye B, Communi D. P2Y receptors: New subtypes, new functions. *Drug Dev Res* 59, 30-35, 2003.
- Boon N, Delhaye M, Le Moine O, De Maertelaer V, Deviere J. Severity of acute gallstone pancreatitis in patients with pancreas divisum. *Endoscopy* 35, 407-410, 2003.
- Brezillon S, Lannoy V, Franssen JD, Le Poul E, Dupriez V, Lucchetti J, Detheux M, Parmentier M. Identification of natural ligands for the orphan G protein-coupled receptors GPR7 and GPR8. *J Biol Chem* 278, 776-783, 2003.
- Cabay L, Willermain F, Bruyns C, Verdebout JM, Witta Y, Baffi J, Velu T, Libert J, Caspers-Velu L, Maho A, Lespagnard L. CXCR4 expression in vitreoretinal membranes. *Brit J Ophthalmol* 87, 567-569, 2003.
- Cheong SC, Clement N, Velu T, Brandenburger A. A novel method for the titration of recombinant virus stocks by ELISPOT assay. *J Virol Meth* 109, 119-124, 2003.

- Christensen AE, Selheim F, de Rooij J, Dremier S, Schwede F, Dao KK, Martinez A, Maenhaut C, Bos JL, Genieser HG, Doskeland SO. cAMP analog mapping of Epac1 and cAMP kinase - Discriminating analogs demonstrate that Epac and cAMP kinase act synergistically to promote PC-12 cell neurite extension. *J Biol Chem* 278, 35394-35402, 2003.
- Chtarto A, Tenenbaum L, Velu T, Brotchi J, Levivier M, Blum D. Minocycline-induced activation of tetracycline-responsive promoter. *Neurosci Lett* 352, 155-158, 2003.
- Chtarto A, Bender HU, Hanemann CO, Kemp T, Lehtonen E, Levivier M, Brotchi J, Velu T, Tenenbaum L. Tetracycline-inducible transgene expression mediated by a single AAV vector. *Gene Ther* 10, 84-94, 2003.
- Clermont F, Adam E, Dumont JE, Robaye B. Survival pathways regulating the apoptosis induced by tumour necrosis factor-alpha in primary cultured bovine endothelial cells. *Cell Signal* 15, 539-546, 2003.
- Cotton F, Wautrecht JC, Lechevin V, Macours P, Thiry P, Gervy C, Boeynaems JM. Reference intervals for plasma homocysteine by the AxSYM immunoassay after collection in fluoride tubes. *Clin Chem* 49, 315-317, 2003.
- Coulonval K, Bockstaele L, Paternot S, Roger PP. Phosphorylations of cyclin-dependent kinase 2 revisited using two-dimensional gel electrophoresis. *J Biol Chem* 278, 52052-52060, 2003.
- Coulonval K, Bockstaele L, Paternot S, Dumont JE, Roger PP. The cyclin D3-CDK4-p27(kip1) holoenzyme in thyroid epithelial cells: activation by TSH, inhibition by TGFO, and phosphorylations of its subunits demonstrated by two-dimensional gel electrophoresis. *Exp Cell Res* 291, 135-149, 2003.
- D'Alcantara P, Schiffmann SN, Swillens S. Bidirectional synaptic plasticity as a consequence of interdependent  $Ca^{2+}$ -controlled phosphorylation and dephosphorylation pathways. *Eur J Neurosci* 17, 2521-2528, 2003.
- Derkinderen P, Valjent E, Toutant M, Corvol JC, Enslin H, Ledent C, Trzaskos J, Caboche J, Girault JA. Regulation of extracellular signal-regulated kinase by cannabinoids in hippocampus. *J Neurosci* 23, 2371-2382, 2003.
- Detours V, Dumont JE, Bersini H, Maenhaut C. Integration and cross-validation of highthroughput gene expression data: comparing heterogeneous data sets. *FEBS Lett* 546, 98-102, 2003.
- Dewaste V, Erneux C. Inositol 1, 4, 5-trisphosphate 3-kinase and 5-phosphatase. *Handbook of Cell Signaling* 2, 11-13, 2003.
- Dewaste V, Moreau C, De Smedt F, Bex F, De Smedt H, Wuytack F, Missiaen L, Erneux C. The three isoenzymes of human inositol-1, 4, 5-trisphosphate 3-kinase show specific intracellular localization but comparable  $Ca^{2+}$  responses on transfection in COS-7 cells. *Biochem J* 374, 41-49, 2003.
- Dremier S, Kopperud R, Doskeland SO, Dumont JE, Maenhaut C. Search for new cyclic AMP-binding proteins. *FEBS Lett* 546, 103-107, 2003.
- Driessens G, Harsan L, Browaeys P, Giannakopoulos X, Velu T, Bruyns C. Assessment of in vivo chemotherapy-induced DNA damage in a p53- mutated rat tumor by micronuclei assay. *Apoptosis: from Signaling Pathways to Therapeutic Tools*. 1010, 775-779, 2003.
- Driessens G, Harsan L, Robaye B, Waroquier D, Browaeys P, Dubois C, Gangji D, Velu T,

- Bruyins C. Micronuclei assay is a sensitive method to detect in vivo chemotherapy-induced DNA-damage in a p53 mutated rat tumor. *Acta Clinica Belgica* 58, 126-147, 2003.
- Driessens G, Harsan L, Robaye B, Waroquier D, Browaeys P, Giannakopoulos X, Velu T, Bruyins C. Micronuclei to detect in vivo chemotherapy damage in a p53 mutated solid tumour. *Brit J Cancer* 89, 727-729, 2003.
- Dufour A, Seibt J, Passante L, Depaepe V, Ciossek T, Frisen J, Kullander K, Flanagan JG, Polleux F, Vanderhaeghen P. Area specificity and topography of thalamocortical projections are controlled by ephrin/Eph genes. *Neuron* 39, 453-465, 2003.
- Dumont JE, Maenhaut C, Lamy F, Pirson I, Clement S, Roger PP. Growth and proliferation of the thyroid cell in normal physiology and in disease. *Annales D'Endocrinologie* 64, 10-11, 2003.
- Dumortier P, Thimpont J, De Maertelaer V, De Vuyst P. Trends in asbestos body counts in bronchoalveolar lavage fluid over two decades. *Eur Respiratory J* 22, 519-524, 2003.
- Dupont G, Koukoui O, Clair C, Erneux C, Swillens S, Combettes L.  $Ca^{2+}$  oscillations in hepatocytes do not require the modulation of InSP3 3-kinase activity by  $Ca^{2+}$ . *FEBS Lett* 534, 101-105, 2003.
- El Housni H, Heimann P, Parma J, Vassart G. Single-nucleotide polymorphism genotyping by melting analysis of dual-labeled probes: Examples using factor V Leiden and prothrombin 20210A mutations. *Clin Chem* 49, 1669-1672, 2003.
- El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Caffeine reduces hypnotic effects of alcohol through adenosine  $A_{2A}$  receptor blockade. *Neuropharmacology* 45, 977-985, 2003.
- Gall D, Roussel C, Susa I, D'Angelo E, Rossi P, Bearzatto B, Galas MC, Blum D, Schurmans S, Schiffmann SN. Altered neuronal excitability in cerebellar granule cells of mice lacking calretinin. *J Neurosci* 23, 9320-9327, 2003.
- Gerard AC, Daumerie C, Mestdagh C, Gohy S, de Burbure C, Costagliola S, Miot F, Nollevaux MC, Deneff JF, Rahier J, Franc B, De Vijlder JJM, Colin IM, Many MC. Correlation between the loss of thyroglobulin iodination and the expression of thyroid-specific proteins involved in iodine metabolism in thyroid carcinomas. *J Clin Endocrinol Metab* 88, 4977-4983, 2003.
- Gerard AC, Deneff JF, Many MC, Gathy P, de Burbure C, van den Hove MF, Coppee F, Ledent C, Colin IM. Relationships between cell division, expression of growth factors and microcirculation in the thyroids of Tg-A2aR transgenic mice and patients with Graves' disease. *J Endocrinol* 177, 269-277, 2003.
- Giuriato S, Pesesse X, Bodin S, Sasaki T, Viala C, Marion E, Penninger J, Schurmans S, Erneux C, Payrastre B. SH2 domain containing inositol 5-phosphatases 1 and 2 in blood platelets: their interactions and roles in the control of phosphatidylinositol 3, 4, 5-trisphosphate levels. *Biochem J* 376, 199-207, 2003.
- Gonzalez-Merino E, Emiliani S, Vassart G, Van den Bergh M, Vannin AS, Abramowicz M, Delneste D, Englert Y. Incidence of chromosomal mosaicism in human embryos at different developmental stages analyzed by fluorescence in situ hybridization. *Genetic Testing* 7, 85-95, 2003.
- Govaerts C, Bondue A, Springael JY, Olivella M, Deupi X, Le Poul E, Wodak SJ, Parmentier M, Pardo L, Blanpain C. Activation of CCR5 by chemokines involves an aromatic cluster between transmembrane helices 2 and 3. *J Biol Chem* 278, 1892-1903, 2003.

- Jacobs C, Pirson I. Pitfalls in the use of transfected overexpression systems to study membrane proteins function: the case of TSH receptor and PRA1. *Mol Cell Endocrinol* 209, 71-75, 2003.
- Jegou S, Yacoubi ME, Mounien L, Ledent C, Parmentier M, Costentin J, Vaugeois JM, Vaudry H. Adenosine A2A receptor gene disruption provokes marked changes in melanocortin content and pro-opiomelanocortin gene expression. *J Neuroendocrinol* 15, 1171-1177, 2003.
- Kofalvi A, Vizi ES, Ledent C, Sperlagh B. Cannabinoids inhibit the release of [ $H^3$ ]glutamate from rodent hippocampal synaptosomes via a novel CB1 receptor-independent action. *Eur J Neurosci* 18, 1973-1978, 2003.
- Le Poul E, Loison C, Struyf S, Springael JY, Lannoy V, Decobecq ME, Brezillon S, Dupriez V, Vassart G, Van Damme J, Parmentier M, Detheux M. Functional characterization of human receptors for short chain fatty acids and their role in polymorphonuclear cells activation. *J Biol Chem* 278, 25481-25489, 2003.
- Lehtonen E, Tenenbaum L. Adeno-associated viral vectors. *Viral Vectors for Treating Diseases of the Nervous System*. 55, 65-98, 2003.
- Lehtonen E, Blum D, Bockstael O, Chtarto A, Melas C, Peschanski M, Velu T, Brotchi J, Levivier M, Tenenbaum L. Effects of the sustained expression of GDNF in fetal dopaminergic grafts. *Mol Therapy* 7, S95, 2003.
- Loovers HM, Veenstra K, Snippe H, Pesesse X, Erneux C, van Haastert PJ. A diverse family of inositol 5-phosphatases playing a role in growth and development in *Dictyostelium discoideum*. *J Biol Chem* 278, 5652-5658, 2003.
- Louahed J, Struyf S, Demoulin JB, Parmentier M, Van Snick J, Van Damme J, Renauld JC. CCR8-dependent activation of the RAS/MAPK pathway mediates anti-apoptotic activity of I-309/ CCL1 and vMIP-I. *Eur J Immunol* 33, 494-501, 2003.
- Marteau F, Le Poul E, Communi D, Communi D, Labouret C, Savi P, Boeynaems JM, Suarez-Gonzalez N. Pharmacological characterization of the human P2Y<sub>13</sub> receptor. *Mol Pharmacol* 64, 104-112, 2003.
- Mewasingh LD, Christophe C, Fonteyne C, Dachy B, Ziereisen F, Christiaens F, Deltenre P, De Maertelaer V, Dan B. Predictive value of electrophysiology in children with hypoxic coma. *Pediatr Neurol* 28, 178-183, 2003.
- Mills SJ, Backers K, Erneux C, Potter BVL. Synthesis of D- and L-myo- inositol 1, 2, 4, 6-tetrakisphosphate, regioisomers of myo- inositol 1, 3, 4, 5 tetrakisphosphate: activity against Ins(1, 4, 5)P-3 binding proteins. *Organic Biomol Chem* 1, 3546-3556, 2003.
- Moeller LC, Kimura S, Kusakabe T, Liao XH, Van Sande J, Refetoff S. Hypothyroidism in thyroid transcription factor 1 haploinsufficiency is caused by reduced expression of the thyroid-stimulating hormone receptor. *Mol Endocrinol* 17, 2295-2302, 2003.
- Murtra R, Martin M, Ledent C, Parmentier M, Maldonado R. C-fos expression after cocaine or morphine sensitization in CB1 knockout mice. *Eur Neuropsychopharmacol* 13, S418-S419, 2003.
- Panneels V, Schussler U, Costagliola S, Sinning I. Choline head groups stabilize the matrix loop regions of the ATP/ADP carrier ScaAC2. *Biochem Biophys Res Commun* 300, 65-74, 2003.

Paternot S, Coulonval K, Dumont JE, Roger PP. Cyclic AMP-dependent phosphorylation of cyclin D3-bound CDK4 determines the passage through the cell cycle restriction point in thyroid epithelial cells. *J Biol Chem* 278, 26533-26540, 2003.

Phan V, Errington F, Cheong SC, Kottke T, Gough M, Altmann S, Brandenburger A, Emery S, Strome S, Bateman A, Bonnotte B, Melcher A, Vile R. A new genetic method to generate and isolate small, short-lived but highly potent dendritic cell-tumor cell hybrid vaccines. *Nature Medicine* 9, 1215-1219, 2003.

Pouillon V, Hascakova-Bartova R, Pajak B, Adam E, Bex F, Dewaste V, Van Lint C, Leo O, Erneux C, Schurmans S. Inositol 1, 3, 4, 5-tetrakisphosphate is essential for T lymphocyte development. *Nature Immunol* 4, 1136-1143, 2003.

Pryce G, Ahmed Z, Hankey DJR, Jackson SJ, Croxford JL, Pocock JM, Ledent C, Petzold A, Thompson AJ, Giovannoni G, Cuzner ML, Baker D. Cannabinoids inhibit neurodegeneration in models of multiple sclerosis. *Brain* 126, 2191-2202, 2003.

Robaye B, Ghanem E, Wilkin F, Fokan D, Van Driessche W, Schurmans S, Boeynaems JM, Beauwens R. Loss of nucleotide regulation of epithelial chloride transport in the jejunum of P2Y(4)-null mice. *Mol Pharmacol* 63, 777-783, 2003.

Rodien P, Ho SC, Vlaeminck V, Vassart G, Costagliola S. Activating mutations of TSH receptor. *Annales d'Endocrinologie* 64, 12-16, 2003

Sak K, Boeynaems JM, Everaus H. Involvement of P2Y receptors in the differentiation of haematopoietic cells. *J Leukocyte Biol* 73, 442-447, 2003.

Schiffmann SN, Dassel D, D'Alcantara P, Ledent C, Swillens S, Zoli M. A2A receptor and striatal cellular functions: regulation of gene expression, currents, and synaptic transmission. *Neurology* 61, S24-S29, 2003.

Seibt J, Schuurmans C, Gradwohl G, Dehay C, Vanderhaeghen P, Guillemot F, Polleux F. Neurogenin2 specifies the connectivity of thalamic neurons by controlling axon responsiveness to intermediate target cues. *Neuron* 39, 439-452, 2003.

Smits G, Campillo M, Govaerts C, Janssens V, Richter C, Vassart G, Pardo L, Costagliola S. Glycoprotein hormone receptors: determinants in leucine-rich repeats responsible for ligand specificity. *EMBO J* 22, 2692-2703, 2003.

Smits G, Olatunbosun O, Delbaere A, Pierson R, Vassart G, Costagliola S. Ovarian hyperstimulation syndrome due to a mutation in the follicle-stimulating hormone receptor. *New Engl J Med* 349, 760-766, 2003.

Soria G, Castane A, Ledent C, Parmentier M, Maldonado R, Valverde O. The role of A2a adenosine receptors in cannabinoid dependence. *Behavioural Pharmacol* 14, S59, 2003.

Tack D, Widelec J, De Maertelaer V, Bailly JM, Delcour C, Gevenois PA. Comparison between low-dose and standard-dose multidetector CT in patients with suspected chronic sinusitis. *Am J Roentgenol* 181, 939-944, 2003.

Tack D, De Maertelaer V, Gevenois PA. Dose reduction in multidetector CT using attenuation-based online tube current modulation. *Am J Roentgenol* 181, 331-334, 2003.

Tack D, Sourtzis S, Delpierre I, De Maertelaer V, Gevenois PA. Low-dose unenhanced multidetector CT of patients with suspected renal colic. *Am J Roentgenol* 180, 305-311, 2003.

Talukder MAH, Morrison RR, Ledent C, Mustafa SJ. Endogenous adenosine increases coronary flow by activation of both A<sub>2A</sub> and A<sub>2B</sub> receptors in mice. *J Cardiovasc Pharmacol*

41, 562-570, 2003.

Tenenbaum L, Lehtonen E, Monahan PE. Evaluation of risks related to the use of adenoassociated virus-based vectors. *Current Gene Therapy* 3, 545-565, 2003.

Van Sande J, Massart C, Beauwens R, Schoutens A, Costagliola S, Dumont JE, Wolff J. Anion selectivity by the sodium iodide symporter. *Endocrinology* 144, 247-252, 2003.

Van Sande J, Costa MJ, Massart C, Swillens S, Costagliola S, Orgiazzi J, Dumont JE. Kinetics of thyrotropin-stimulating hormone (TSH) and thyroid-stimulating antibody binding and action on the TSH receptor in intact TSH receptor-expressing CHO cells. *J Clin Endocrinol Metab* 88, 5366-5374, 2003.

Van Wayenbergh R, Taelman V, Pichon B, Fischer A, Kricha S, Gessler M, Christophe D, Bellefroid EJ. Identification of BOIP, a novel cDNA highly expressed during spermatogenesis that encodes a protein interacting with the orange domain of the hairy-related transcription factor HRT1/Hey1 in *Xenopus* and mouse. *Dev Dynamics* 228, 716-725, 2003.

Vandenbroere I, Paternotte N, Dumont JE, Erneux C, Pirson I. The c-Cbl-associated protein and c-Cbl are two new partners of the SH2-containing inositol polyphosphate 5-phosphatase SHIP2. *Biochem Biophys Res Commun* 300, 494-500, 2003.

Vandeput F, Perpete S, Coulonval K, Lamy F, Dumont JE. Role of the different mitogen-activated protein kinase subfamilies in the stimulation of dog and human thyroid epithelial cell proliferation by cyclic adenosine 5'-monophosphate and growth factors. *Endocrinology* 144, 1341-1349, 2003.

Venet D. MatArray: a Matlab toolbox for microarray data. *Bioinformatics* 19, 659-660, 2003.

Vilain C, Libert F, Venet D, Costagliola S, Vassart G. Small amplified RNA-SAGE: an alternative approach to study transcriptome from limiting amount of mRNA. *Nucl Acids Res* 31, 2003.

Wang JH, Short J, Ledent C, Lawrence AJ, van den Buuse M. Reduced startle habituation and prepulse inhibition in mice lacking the adenosine A<sub>2A</sub> receptor. *Behav Brain Res* 143, 201-207, 2003.

Wenger T, Ledent C, Tramu G. The endogenous cannabinoid, anandamide, activates the hypothalamo-pituitary-adrenal axis in CB1 cannabinoid receptor knockout mice. *Neuroendocrinology* 78, 294-300, 2003.

Willermain F, Cabay L, Stordeur P, Blero D, Driessens G, Caspers-Velu L, Velu T, Bruyns C. PPAR gamma agonist 15 prostaglandin J2 modulates inflammatory response on human retinal pigment epithelial cells. *Invest Ophthalmol Visual Sci* 44, U219, 2003.

Wittamer V, Franssen JD, Vulcano M, Mirjolet JF, Le Poul E, Migeotte I, Brezillon S, Tyldesley R, Blanpain C, Detheux M, Mantovani A, Sozzani S, Vassart G, Parmentier M, Communi D. Specific recruitment of antigen-presenting cells by chemerin, a novel processed ligand from human inflammatory fluids. *J Exp Med* 198, 977-985, 2003.

Xu JS, Wang F, Van Keymeulen A, Herzmark P, Straight A, Kelly K, Takuwa Y, Sugimoto N, Mitchison T, Bourne HR. Divergent signals and cytoskeletal assemblies regulate selforganizing polarity in neutrophils. *Cell* 114, 201-214, 2003.

## 2002

- Abramowicz MJ, Albuquerque-Silva J, Zanen A. Corneal dystrophy and perceptive deafness (Harboyan syndrome): CDPD1 maps to 20p13. *J Med Genet* 39, 110-112, 2002.
- Avni FE, Segers V, De Maertelaer V, Cadranel S, Dassonville M, Delaet MH, Nicaise N, Metens T. The evaluation by magnetic resonance imaging of hepatic periportal fibrosis in infants with neonatal cholestasis: preliminary report. *J Pediatr Surg* 37, 1128-1133, 2002.
- Bailey A, Ledent C, Kelly M, Hourani SM, Kitchen I. Changes in spinal delta and kappa opioid systems in mice deficient in the A2A receptor gene. *J Neurosci* 22, 9210-9220, 2002.
- Blanpain C, Libert F, Vassart G, Parmentier M. CCR5 and HIV infection. *Receptors Channels* 8, 19-31, 2002.
- Blanpain C, Vanderwinden JM, Cihak J, Wittamer V, Le Poul E, Issafras H, Stangassinger M, Vassart G, Marullo S, Schlondorff D, Parmentier M, Mack M. Multiple active states and oligomerization of CCR5 revealed by functional properties of monoclonal antibodies. *Mol Biol Cell* 13, 723-737, 2002
- Boeynaems JM, Communi D, Suarez Gonzalez N, Hechler B, Léon C, Gachet C. Les récepteurs P2Y des nucléotides extracellulaires : du clonage à la physiologie. *M/S Médecine/Sciences* 18, 965-973, 2002.
- Brooks JW, Pryce G, Bisogno T, Jaggar SI, Hankey DJ, Brown P, Bridges D, Ledent C, Bifulco M, Rice AS, Di Marzo V, Baker D. Arvanil-induced inhibition of spasticity and persistent pain: evidence for therapeutic sites of action different from the vanilloid VR1 receptor and cannabinoid CB<sub>1</sub>/CB<sub>2</sub> receptors. *Eur J Pharmacol* 439, 83-92, 2002.
- Castañé A, Valjent E, Ledent C, Parmentier M, Maldonado R, Valverde O. Lack of CB1 cannabinoid receptors modifies nicotine behavioural responses, but not nicotine abstinence. *Neuropharmacology* 43, 857-867, 2002.
- Christophe C, Fonteyne C, Ziereisen F, Christiaens F, Deltenre P, De Maertelaer V, Dan B. Value of MR imaging of the brain in children with hypoxic coma. *Am J Neuroradiol.* 23, 716-23, 2002.
- Claeyssen S, Govaerts C, Lefort A, Van Sande J, Costagliola S, Pardo L, Vassart G. A conserved Asn in TM7 of the thyrotropin receptor is a common requirement for activation by both mutations and its natural agonist. *FEBS Lett* 24;517, 195-200, 2002
- Costagliola S, Panneels V, Bonomi M, Koch J, Many MC, Smits G, Vassart G. Tyrosine sulfation is required for agonist recognition by glycoprotein hormone receptors. *EMBO J* 15, 504-513, 2002
- D'Alcantara P, Cardenas LM, Swillens S, Scroggs RS. Reduced transition between open and inactivated channel states underlies 5HT increased I<sub>Na+</sub> in rat nociceptors. *Biophys J* 83, 5-21, 2002.
- De Deken X, Wang D, Dumont JE, Miot F. Characterization of ThOX proteins as components of the thyroid H<sub>2</sub>O(2)- generating system. *Exp Cell Res* 273, 187-196, 2002
- Deleu S, Savonet V, Behrends J, Dumont JE, Maenhaut C. Study of gene expression in thyrotropin-stimulated thyroid cells by cDNA expression array : ID3 transcription modulating factor as an early response protein and tumor marker in thyroid carcinomas. *Exp Cell Res* 279, 62-70, 2002.

- Devière J, Pastorelli A, Louis H, de Maertelaer V, Lehman G, Cicala M, Le Moine O, Silverman D, Costamagna G. Endoscopic implantation of a biopolymer in the lower esophageal sphincter for gastroesophageal reflux: a pilot study. *Gastrointest Endosc* 55, 335-341, 2002.
- Dewaste V, Roymans D, Moreau C, Erneux C. Cloning and expression of a full-length cDNA encoding human inositol 1, 4, 5-trisphosphate 3-kinase B. *Biochem Biophys Res Commun* 291, 400-405, 2002
- Dremier S, Coulonval K, Perpete S, Vandeput F, Fortemaïson N, Van Keymeulen A, Deleu S, Ledent C, Clément S, Schurmans S, Dumont JE, Lamy F, Roger PP, Maenhaut C. The role of cyclic AMP and its effect on protein kinase A in the mitogenic action of thyrotropin on the thyroid cell. *Ann N Y Acad Sci* , 968, 106-121, 2002.
- Duhant X, Schandene L, Bruyns C, Suarez-Gonzalez N, Goldman M, Boeynaems JM, Communi D. Extracellular Adenine Nucleotides Inhibit the Activation of Human CD4<sup>+</sup> T Lymphocytes. *J Immunol* 169, 15-21, 2002.
- Dumont JE, Dremier S, Pirson I, Maenhaut C. Cross signaling, cell specificity, and physiology. *Am J Physiol Cell Physiol* 283, C2-28, 2002
- Dumont JE, Van Sande J. Specificity in signaling and modulators: the Homers. *Trends Cell Biol* 12, 9, 2002
- Gerad AC, Many MC, Daumerie C, Costagliola S, Miot F, De Vijlder JJM, Colin IM, Denef JF. Structural changes in the angiofollicular units between active and hypofunctioning follicles align with differences in the epithelial expression of newly discovered proteins involved in iodine transport and organification. *J Clin Endocrinol Metab* 87, 1291-1299, 2002.
- Giuriato S, Blero D, Robaye B, Bruyns C, Payrastra B, Erneux C. SHIP2 overexpression strongly reduces the proliferation rate of K562 erythroleukemia cell line. *Biochem Biophys Res Commun* 296, 106-110, 2002.
- Gühring H, Hamza M, Sergejeva M, Ates M, Kotalla CE, Ledent C, Brune K. A role for endocannabinoids in indomethacin-induced spinal antinociception. *Eur J Pharmacol* 454, 153-163, 2002.
- Haller J, Bakos N, Szirmay M, Ledent C, Freund TF. The effects of genetic and pharmacological blockade of the CB1 cannabinoid receptor on anxiety. *Eur J Neurosci* 16, 1395-1398, 2002.
- Issafras H, Angers S, Bulenger S, Blanpain C, Parmentier M, Labbé-Jullié C, Bouvier M, Marullo S. Constitutive agonist-independent CCR5 oligomerization and antibody-mediated clustering occurring at physiological levels of receptors. *J Biol Chem* 277, 34666-34673, 2002.
- Kim J, Isokawa M, Ledent C, Alger BE. Activation of muscarinic acetylcholine receptors enhances the release of endogenous cannabinoids in the hippocampus. *J Neurosci* 22, 10182-10191, 2002.
- Maccarrone M, Valverde O, Barbaccia ML, Castañé A, Maldonado R, Ledent C, Parmentier M, Finazzi-Agrò A. Age-related changes of anandamide metabolism in CB1 cannabinoid receptor knockout mice: correlation with behaviour. *Eur J Neurosci* 15, 1178-1186, 2002.
- Marion E, Kaisaki P, Pouillon V, Gueydan C, Levy JC, Bodson A, Krzentowski G, Daubresse JC, Mockel J, Behrends J, Servais G, Szpirer C, Kruys V, Gauguier D, Schurmans S. The gene INPPL1, encoding the lipid phosphatase SHIP2, is a candidate for type 2 diabetes in rat

and man. *Diabetes* 51, 2012-2017, 2002.

Martin M, Ledent C, Parmentier M, Maldonado R, Valverde O. Involvement of CB1 cannabinoid receptors in emotional behaviour. *Psychopharmacology (Berl)* 159, 379-387, 2002.

Michils A, Dutry D, de Beyl VZ, Rummelink M, de Maertelaer V, Rocmans P. Peripheral blood mononuclear cell proliferation to heat shock protein-70 derived from autologous lung carcinoma. *Am J Respir Crit Care Med* 166, 749-53, 2002.

Migeotte I, Franssen JD, Goriely S, Willems F, Parmentier M. Distribution and regulation of expression of the putative human chemokine receptor HCR in leukocyte populations. *Eur J Immunol* 32, 494-501, 2002

Mircescu H, Steuve S, Savonet V, Degraef C, Mellor H, Dumont JE, Maenhaut C, Pirson I. Identification and characterization of a novel activated RhoB binding protein containing a PDZ domain and whose expression is specifically modulated in thyroid cells by cAMP. *Eur J Biochem* 269, 6241-6249, 2002.

Missiaen L, Vanoevelen J, Parys JB, Raeymaekers L, De Smedt H, Callewaert G, Erneux C, Wuytack F.  $Ca^{2+}$  uptake and release properties of a thapsigargin- insensitive nonmitochondrial  $Ca^{2+}$  store in A7r5 and 16HBE14o- cells. *J Biol Chem* 277, 6898-902, 2002

Mollereau C, Mazarguil H, Marcus D, Quelven I, Kotani M, Lannoy V, Dumont Y, Quirion R, Detheux M, Parmentier M, Zajac JM. Pharmacological characterization of human NPPF<sub>1</sub> and NPPF<sub>2</sub> receptors expressed in CHO cells by using NPY Y(1) receptor antagonists. *Eur J Pharmacol* 451, 245-256, 2002.

Monory K, Tzavara ET, Lexime J, Ledent C, Parmentier M, Borsodi A, Hanoune J. Novel, not adenylyl cyclase-coupled cannabinoid binding site in cerebellum of mice. *Biochem Biophys Res Commun* 292, 231-235, 2002.

Morrison RR, Talukder MA, Ledent C, Mustafa SJ. Cardiac effects of adenosine in A<sub>2A</sub> receptor knockout hearts: uncovering A<sub>2B</sub> receptors. *Am J Physiol Heart Circ Physiol* 282, H437-H44, 2002.

Naassila M, Ledent C, Daoust M. Low ethanol sensitivity and increased ethanol consumption in mice lacking adenosine A<sub>2A</sub> receptors. *J Neurosci* 22, 10487-10493, 2002.

Ni H, Capodici J, Cannon G, Communi D, Boeynaems JM, Karikó K, Weissman D. Extracellular mRNA induces dendritic cell activation by stimulating tumor necrosis factor- $\alpha$  secretion and signaling through a nucleotide receptor. *J Biol Chem* 277, 12689-12696, 2002.

Noseda A, Nouvelle M, Lanquart JR, Kempnaers Ch, De Maertelaer V, Linkowski R, Kerkhofs M. High leg motor activity in sleep apnea hypopnea patients: efficacy of clonazepam combined with nasal CPAP on polysomnographic variables. *Respir Med* 96, 693-9, 2002.

Pichon B, Taelman V, Kricha S, Christophe D, Bellefroid E. XHRT-1, a hairy and Enhancer of split related gene with expression in floor plate and hypochord during early *Xenopus* embryogenesis. *Dev Genes Evol* 212, 491-495, 2002.

Prentice DJ, Kelly MD, Ledent C, Hourani SM. Relaxation of the mouse isolated aorta and carotid artery in response to adenosine analogues in genetically-modified mice lacking the adenosine A<sub>2A</sub> receptor. *Naunyn Schmiedebergs Arch Pharmacol* 366, 127-33 2002.

Smits G, Govaerts C, Nubourgh I, Pardo L, Vassart G, Costagliola S. Lysine 183 and Glutamic Acid 157 of the TSH Receptor: Two Interacting Residues with a Key Role in Determining Specificity toward TSH and Human CG. *Mol Endocrinol* 16, 722-735, 2002.

Stratakis CA, Miller WR, Severin E, Chin KV, Bertherat J, Amieux PS, Eng C, Kammer GM, Dumont JE, Tortora G, Beaven MA, Puck TT, Jan De Beur SM, Weistein LS, Cho-Chung YS. Protein-Kinase A and Human Disease: The Core of cAMP-Dependent Signaling in Health and Disease. *Horm Metab Res* 34, 169-175, 2002

Talukder MA, Morrison RR, Jacobson MA, Jacobson KA, Ledent C, Mustafa SJ. Targeted deletion of adenosine A(3) receptors augments adenosine-induced coronary flow in isolated mouse heart. *Am J Physiol Heart Circ Physiol* 282, H2183-H2189, 2002.

Teitelbaum V, Balon-Perin A, De Maertelaer V, Daelemans P, Glineur R. Impact of dental and skeletal movements on the facial profile within the framework of orthodontic and surgical treatments. *Int J Adult Orthodon Orthognath Surg* 17, 82-88, 2002.

Torfs H, Detheux M, Oonk HB, Akerman KE, Poels J, Loy TV, Loof AD, Vassart G, Parmentier M, Vanden Broeck J. Analysis of C-terminally substituted tachykinin- like peptide agonists by means of aequorin-based luminescent assays for human and insect neurokinin receptors. *Biochem Pharmacol* 63, 1675-1682, 2002.

Van De Wiele CJ, Vaughn JG, Blackburn MR, Ledent CA, Jacobson M, Jiang H, Thompson LF. Adenosine kinase inhibition promotes survival of fetal adenosine deaminase-deficient thymocytes by blocking dATP accumulation. *J Clin Invest* 110, 395-402 2002.

Vanvooren V, Ucheno S, Deprez L, Costa M.J, Vandekerckove J, Parma J, Vassart G, Dumont JE, Van Sande J, Nogushi S. Oncogenic mutations in the thyrotropin receptor of autonomously functioning thyroid nodules in the Japanese population. *Eur J Endocrinol* 147, 1-5, 2002.

Vita C, Drakopoulou E, Ylisastigui L, Bakri Y, Vizzavona J, Martin L, Parmentier M, Gluckman JC, Benjouad A. Synthesis and characterization of biologically functional biotinylated RANTES. *J Immunol Methods* 266, 53-65, 2002.

Vlaeminck-Guillem V, Ho SC, Rodien P, Vassart G, Costagliola S. Activation of the cAMP Pathway by the TSH Receptor Involves Switching of the Ectodomain from a Tethered Inverse Agonist to an Agonist. *Mol Endocrinol* 16, 736-746, 2002

Wilkin F, Stordeur P, Goldman M, Boeynaems JM, Robaye B. Extracellular adenine nucleotides modulate cytokine production by human monocyte-derived dendritic cells: dual effect on IL-12 and stimulation of IL-10. *Eur J Immunol* 32, 2409-2417, 2002.

Willermain F, Caspers-Velu L, Nowak B, Stordeur P, Mosselmans R, Salmon I, Velu T, Bruyns C. Retinal pigment epithelial cells phagocytosis of T lymphocytes: possible implication in the immune privilege of the eye. *Br J Ophthalmol* 86, 1417-1421, 2002.

## 2001

Blanpain C, Buser R, Power C, Edgerton M, Buchanan C, Mack M, Simmons G, Clapham PR, Parmentier M, Proudfoot AEI. A chimeric MIP-1 $\alpha$ /RANTES protein demonstrates the use of different regions of the RANTES protein to bind and activate its receptors. *J Leukoc Biol* 69, 977-985, 2001

Blanpain C, Wittamer V, Vanderwinden JM, Boom A, Renneboog B, Lee B, Le Poul E, El Asmar L, Govaerts C, Vassart G, Doms RW, Parmentier M. Palmitoylation of CCR5 is

critical for receptor trafficking and efficient activation of intracellular signaling pathways. *J Biol Chem* 276, 23795-23804, 2001.

Blero D, De Smedt F, Pesesse X, Paternotte N, Moreau C, Payrastra B, Erneux C. The SH2 domain containing inositol 5-phosphatase SHIP2 controls phosphatidylinositol 3, 4, 5-trisphosphate levels in CHO-IR cells stimulated by insulin. *Biochem Biophys Res Commun* 282, 839-843, 2001

Boeynaems JM, Robaye B, Janssens R, Suarez-Huerta N, Communi D. Overview of P2Y receptors as therapeutic targets. *Drug Development Res* 52, 187-189, 2001.

Brézillon S, Detheux M, Parmentier M, Hökfelt T, Hurd YL. Distribution of an orphan G-protein coupled receptor (JP05) mRNA in the human brain. *Brain Res* 921, 21-30, 2001.

Christophe-Hobertus C, Szpirer C, Guyon R, Christophe D. Identification of the gene encoding brain cell membrane protein I (BCMPI), a putative fourtransmembrane protein distantly related to the peripheral Myelin protein 22/epithelial membrane proteins and the claudins. *BMC Genomic* 2, 1471, 2001.

Clair C, Chalumeau C, Tordjmann T, Poggioli J, Erneux C, Dupont G, Combettes L. Investigation of the roles of  $Ca^{2+}$  and  $InsP_3$  diffusion in the coordination of  $Ca^{2+}$  signals between connected hepatocytes. *J Cell Sci* 114, 1999-2007, 2001

Clément S, Refetoff S, Robaye B, Dumont JE, Schurmans S. Low TSH requirement and goiter in transgenic mice overexpressing IGF-1 and IGF-1R in the thyroid gland. *Endocrinology* 142, 5131-5139, 2001.

Clement N, Avalosse B, El Bakkouri K, Velu T, Brandenburger A. Cloning and sequencing of defective particles derived from the autonomous parvovirus minute virus of mice for the construction of vectors with minimal cis-acting sequences. *J Virol* 75, 1284-1293, 2001.

Clement S, Krause U, Desmedt F, Tanti JF, Behrends J, Pesesse X, Sasaki T, Penninger J, Doherty M, Malaisse W, Dumont JE, Le Marchand-Brustel Y, Erneux C, Hue L, Schurmans S. The lipid phosphatase SHIP2 controls insulin sensitivity. *Nature* 409, 92-97, 2001.

Clément S, Refetoff S, Robaye B, Dumont JE, Schurmans S. Low TSH requirement and goiter in transgenic mice overexpressing IGF-I and IGF-Ir receptor in the thyroid gland. *Endocrinology* 142, 5131-5139, 2001.

Communi D, Janssens R, Robaye B, Zeelis N, Boeynaems JM. Role of P2Y<sub>11</sub> receptors in hematopoiesis. *Drug Development Res* 52, 156-163, 2001.

Communi D, Gonzalez NS, Detheux M, Brézillon S, Lannoy V, Parmentier M, Boeynaems JM. Identification of a novel human ADP receptor coupled to G<sub>i</sub>. *J Biol Chem* 276, 41479-41485, 2001.

Communi D, Suarez-Huerta N, Dussossoy D, Savi P, Boeynaems JM. Cotranscription and intergenic splicing of human P2Y<sub>11</sub> and SSF1 genes. *J Biol Chem* 276, 16561-16566, 2001.

Cornelis S, Uttenweiler-Joseph S, Panneels V, Vassart G, Costagliola S. Purification and characterization of a soluble bioactive amino-terminal extracellular domain of the human thyrotropin receptor. *Biochemistry* 40(33) 9860-9, 2001

Corvilain B, Van Sande J, Dumont JE, Vassart G. Somatic and germline mutations of the TSH receptor and thyroid diseases. *Clin Endocrinology* 55, 143-158, 2001.

Cossu G, Ledent C, Fattore L, Imperato A, Böhme GA, Parmentier M, Fratta W. Cannabinoid CB1 receptor knockout mice fail to self-administer morphine but not other drugs of abuse.

Behav Brain Res 118, 61-65, 2001.

Cotton F, Thiry P, Hsain AB, Boeynaems JM. Analyzer transfer of a broad range high-sensitivity C-reactive protein immunoassay. Clin Lab 47, 405-409, 2001.

D'Alcantara P, Ledent C, Swillens S, Schiffmann SN. Inactivation of adenosine A<sub>2A</sub> receptor impairs long term potentiation in the accumbens nucleus without altering basal synaptic transmission. Neuroscience 107, 455-464, 2001.

Dassesse D, Ledent C, Parmentier M, Schiffmann SN. Acute and chronic caffeine administration differentially alters striatal gene expression in wild-type and adenosine A<sub>2A</sub> receptor-deficient mice. Synapse 42, 63-76, 2001.

Dassesse D, Massie A, Ferrari R, Ledent C, Parmentier M, Arckens L, Zoli M, Schiffmann SN. Functional striatal hypodopaminergic activity in mice lacking adenosine A<sub>2A</sub> receptors. J Neurochem 78, 183-198, 2001.

Derkinderen P, Toutant M, Kadaré G, Ledent C, Parmentier M, Girault JA. Dual role of Fyn in the regulation of FAK+6,7 by cannabinoids in hippocampus. J Biol Chem 276, 38289-38296, 2001.

Derkinderen P, Ledent C, Parmentier M, Girault JA. Cannabinoids activate p38 mitogen-activated protein kinases through CB1 receptors in hippocampus. J Neurochem 77, 957-960, 2001.

Dumont JE, Pecasse F, Maenhaut C. Crosstalk and specificity in signalling. Are we crosstalking ourselves into general confusion? Cellular Signalling 13, 457-463, 2001.

Dumortier P, Coplu L, Emri S, Selcuk T, De Maertelaer V, De Vuyst P, Baris I. Erionite bodies and fibres in bronchoalveolar lavage fluid (BALF) of residents from Tuzköy, Cappadocia, Turkey. Occup Environm Med 58, 261-266, 2001.

El Yacoubi M, Ledent C, Parmentier M, Bertorelli R, Ongini E, Costentin J, Vaugeois JM. Adenosine A<sub>2A</sub> receptor antagonists are potential antidepressants: evidence based on pharmacology and A<sub>2A</sub> receptor knockout mice. Br J Pharmacol 134, 68-77, 2001.

El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Adenosine A<sub>2A</sub> receptor knockout mice are partially protected against drug-induced catalepsy. Neuroreport 12, 983-986, 2001.

El Yacoubi M, Ledent C, Parmentier M, Daoust M, Costentin J, Vaugeois J. Absence of the adenosine A(2A) receptor or its chronic blockade decrease ethanol withdrawal-induced seizures in mice. Neuropharmacology 40, 424-432, 2001.

Govaerts C, Blanpain C, Deupi X, Ballet S, Ballesteros JA, Wodak SJ, Vassart G, Pardo L, Parmentier M. The TXP motif in the second transmembrane helix of CCR5. J Biol Chem 276, 13217-13225, 2001.

Govaerts C, Lefort A, Costagliola S, Wodak SJ, Ballesteros JA, Van Sande J, Pardo L, Vassart G. A conserved Asn in transmembrane helix 7 is an on/off switch in the activation of the thyrotropin receptor. J Biol Chem 276, 22991-22999, 2001.

Ho SC, Van Sande J, Lefort A, Vassart G, Costagliola S. Effects of mutations involving the highly conserved S281HCC motif in the extracellular domain of the thyrotropin (TS) receptor on TS binding and constitutive activity. Endocrinology 142, 2760-2767, 2001.

Janssens R, Boeynaems JM. Effects of extracellular nucleotides and nucleosides on prostate carcinoma cells. Br J Pharmacol 132, 536-546, 2001.

- Jimenez AI, Castro E, Communi D, Boeynaems JM, Delicado EG, Mirasportugal MT. Coexpression of several types of metabotropic nucleotide receptors in single cerebellar astrocytes. *J Neurochem* 75, 2071-2079, 2000.
- Kimura T, Van Keymeulen A, Golstein J, Fusco A, Dumont JE, Roger PP. Regulation of thyroid cell proliferation by TSH and other factors : a critical evaluation of in vitro models. *Endocrine Rev* 22, 631-656, 2001.
- Kotani M, Mollereau C, Detheux M, Le Poul E, Brezillon S, Vakili J, Mazarguil H, Vassart G, Zajac JM, Parmentier M. Functional characterization of a human receptor for neuropeptide FF and related peptides. *Brit J Pharmacol* 133, 138-144, 2001.
- Kotani M, Detheux M, Vandenberghe A, Communi D, Vanderwinden JM, Le Poul E, Brézillon S, Tyldesley R, Suarez-Huerta N, Vandeput F, Blanpain C, Schiffmann SN, Vassart G, Parmentier M. The metastasis suppressor gene KiSS-1 encodes kisspeptins, the natural ligands of the orphan G protein-coupled receptor GPR54. *J Biol Chem* 276, 34631-34636, 2001.
- Laurence JS, Blanpain C, De Leener A, Parmentier M, Li Wang PJ. Importance of basic residues and quaternary structure in the function of MIP-1 $\beta$ : CCR5 binding and cell surface sugar interactions. *Biochemistry* 40, 4990-4999, 2001.
- Martin L, Blanpain C, Garnier P, Wittamer V, Parmentier M, Vita C. Structural and functional analysis of the RANTES-Glycosaminoglycans interactions. *Biochemistry* 40, 6303-6318, 2001.
- Mathieu F, Suetens C, Begaux F, De Maertelaer V, Hinsenkamp M. Effects of physical therapy on patients with Kashin-Beck disease in Tibet. *Int Orthop* 25, 191-193, 2001.
- Merezak C, Pierreux C, Adam E, Lemaigre F, Rousseau GG, Calomme C, Van Lint C, Christophe D, Kerkhofs P, Burny A, Kettmann R, Willems L. Suboptimal enhancer sequences are required for efficient bovine leukemia virus propagation in vivo : implications for viral latency. *J Virol* 75, 6977-6988, 2001.
- Michils A, Redivo M, Zegers De Beyl V, De Maertelaer V, Jacobovitz D, Rocmans P, Duchateau J. Increased expression of high but not low molecular weight heat shock proteins in resectable lung carcinoma. *Lung Cancer* 33, 59-67, 2001.
- Missé D, Esteve PO, Renneboog B, Vidal M, Cerutti M, St Pierre Y, Yssel H, Parmentier M, Veas F. HIV-1 glycoprotein 120 induces the MMP-9 cytopathogenic factor production that is abolished by inhibition of the p38 mitogen-activated protein kinase signaling pathway. *Blood* 98, 541-547, 2001.
- Mollereau C, Gouarderes C, Dumont Y, Kotani M, Detheux M, Doods H, Parmentier M, Quirion R, Zajac JM. Agonist and antagonist activities on human NPFF2 receptors of the NPY ligands GR231118 and BIBP3226. *Brit J Pharmacol* 133, 1-4, 2001.
- Morandini R, Boeynaems JM, Wérenne J, Ghanem G. Tips and step-by-step protocol for the optimization of important factors affecting cellular enzyme-linked immunosorbent assay (CELISA). *J Immunoassay Immunochem* 22, 299-321, 2001.
- Muraille E, Dasse D, Vanderwinden JM, Cremer H, Rogister B, Erneux C, Schiffmann SN. The SH2 domain-containing 5-phosphatase SHIP2 is expressed in the germinal layers of embryo and adult mouse brain : increased expression in N-cam-deficient mice. *Neuroscience* 105, 1019-1030, 2001.
- Pécasse F, Venet D, Dumont JE, Maenhaut C. Study of thyroid gene expression and

- regulation by DNA array technology: pitfalls and necessary controls in the use of commercial filters. *Arch Physiol Biochem* 109, 337-349, 2001.
- Pesesse X, Dewaste V, De Smedt F, Laffargue M, Giuriato S, Moreau C, Payrastra B, Erneux C. The Src homology 2 domain containing inositol 5-phosphatase SHIP2 is recruited to the epidermal growth factor (EGF) receptor and dephosphorylates phosphatidylinositol 3, 4, 5-trisphosphate in EGF-stimulated COS-7 cells. *J Biol Chem* 276, 28348-28355, 2001
- Proost P, Schutyser E, Menten P, Struyf S, Wuyts A, Opdenakker G, Detheux M, Parmentier M, Durinx C, Lambeir AM, Neyts J, Liekens S, Maudgal PC, Billiau A, Van Damme J. Amino-terminal truncation of CXCR3 agonists impairs receptor signaling and lymphocyte chemotaxis, while preserving antiangiogenic properties. *Blood* 98, 3554-3561, 2001.
- Scala S, Portella G, Vitagliano D, Ledent C, Chiappetta G, Giancotti V, Dumont J, Fusco A. HMGI-C gene expression is not required for in vivo thyroid cell transformation. *Carcinogenesis* 22, 251-256, 2001.
- Schell MJ, Erneux C, Irvine RF. Inositol (1, 4, 5)-trisphosphate 3-kinase A associates with F-actin and dendritic spines via its N-terminus. *J Biol Chem* 276, 37537-37546, 2001
- Schurmans S. The Insulin-Sensitive Side of SHIP2. *ScientificWorld Journal* 1, 209-10, 2001.
- Stallenberg B, Rommens J, Legrand C, De Maertelaer V, Metens T, Gevenois PA. Radiographic diagnosis of rotator cuff tear based on the supraspinatus muscle radiodensity. *Skeletal Radiol* 30, 31-38, 2001
- Suarez-Huerta N, Pouillon V, Boeynaems JM, Robaye B. Molecular cloning and characterization of the mouse P2Y<sub>4</sub> nucleotide receptor. *Eur J Pharmacol* 416, 197-202, 2001.
- Vakili J, Standker L, Detheux M, Vassart G, Forssmann WG, Parmentier M. Urokinase plasminogen activator and plasmin efficiently convert hemofiltrate CC chemokine 1 into its active form. *J Immunol* 167, 3406-3413, 2001
- Van Keymeulen A, Deleu S, Bartek J, Dumont JE, Roger PP. Respective roles of carbamylcholine and cyclic adenosine monophosphate in their synergistic regulation of cell cycle in thyroid primary cultures. *Endocrinology* 142, 1251-1259, 2001.
- Vanvooren V, Allgeier A, Nguyen M, Massart C, Parma J, Dumont JE, Van Sande J. Mutation analysis of the Epac-Rap1 signaling pathway in cold thyroid follicular adenomas. *Eur J Endocrinol* 144, 605-610, 2001.
- Venet D, Maenhaut C, Bersini H. Modeling and determination of the regulation of gene expression: the binary switch model. *Proceedings ICSB*, 239-247, 2001.
- Venet D, Pecasse F, Maenhaut C, Bersini H. Separation of samples into their constituents using gene expression data. *Bioinformatics* 17, S279-S287, 2001.
- Vermijlen D, Froelich CJ, Luo D, Suarez-Huerta N, Robaye B, Wisse E. Perforin and granzyme B induce apoptosis in FasL-resistant colon carcinoma cells. *Cancer Immunol Immunother* 50, 212-217, 2001.
- Wilkin F, Duhant X, Bruyns C, Suarez-Huerta N, Boeynaems JM, Robaye B. The P2Y<sub>11</sub> receptor mediates the ATP-induced maturation of human monocyte-derived dendritic cells. *J Immunol* 166: 7172-7177, 2001.

Blanpain C, Lee B, Tackoen M, Puffer B, Boom A, Libert F, Sharron M, Wittamer V, Vassart G, Doms RW, Parmentier M. Multiple non functional alleles of CCR5 are frequent in various human populations. *Blood* 96, 1638-1645, 2000.

Boeynaems JM, Communi D, Savi P, Herbert JM. P2Y receptors : in the middle of the road. *Trends in Pharm Sci* 21, 1-3, 2000.

Boeynaems JM, Communi D, Surez-Huerta N, Janssens R, Robaye B. P2Y receptors. *Haematologica* 85 supp, 15-21, 2000.

Bohme GA, Laville M, Ledent C, Parmentier M, Imperato A. Enhanced long-term potentiation in mice lacking cannabinoid CB1 receptors. *Neuroscience* 95, 5-7, 2000.

Bouilleret V, Schwaller B, Schurmans S, Celio MR, Fritschy JM. Neurodegenerative and morphogenic changes in a mouse model of temporal lobe epilepsy do not depend on the expression of the calcium-binding proteins parvalbumin, calbindin, or calretinin. *Neuroscience* 97, 47-58, 2000.

Cheron G, Schurmans S, Lohof A, d'Alcantara P, Meyer M, Draye JP, Parmentier M, Schiffmann SN. Electrophysiological behavior of Purkinje cells and motor coordination in calretinin knock-out mice. *Prog Brain Res* 124, 299-308, 2000.

Christophe D, Christophe-Hobertus C, Pichon B. Nuclear targeting of proteins : how many different signals ? *Cell Signalling* 12, 337-341, 2000.

Communi D, Janssens R, Robaye B, Zeelis N, Boeynaems JM. Rapid up-regulation of P2Y messengers during granulocytic differentiation of HL-60 cells. *FEBS Lett* 475, 39-42, 2000.

Communi D, Janssens R, Suarez-Huerta N, Robaye B, Boeynaems JM. Advances in signalling by extracellular nucleotides : the role and transduction mechanisms of P2Y receptors. *Cell Signal* 12, 351-360, 2000.

Corvilain B, Collyn L, Van Sande J, Dumont JE. Stimulation by iodide of H<sub>2</sub>O<sub>2</sub> generation in thyroid slices from several species. *Am J Physiol Endocrinol Metab* 278, E692-E699, 2000.

Costagliola S, Many MC, Deneff JF, Pohlenz J, Refetoff S, Vassart G. Genetic immunization of outbred mice with thyrotropin receptor cDNA provides a model of Graves' disease. *J Clin Invest* 105, 803-811, 2000.

Coulonval K, Vandeput F, Stein RC, Kozma SC, Lamy F, Dumont JE. Phosphatidylinositol 3-kinase, protein kinase B and ribosomal S6 kinases in the stimulation of thyroid epithelial cell proliferation by cAMP and growth factors in the presence of insulin. *Biochem J* 348, 351-358, 2000.

Dassesse D, Ledent C, Meunier JC, Parmentier M, Schiffmann SN. Regulation of nociceptin mRNA expression in the septum by dopamine and adenosine systems. *Neuroreport* 11, 3243-3246, 2000.

De Deken X, Wang D, Many MC, Costagliola S, Libert F, Vassart G, Dumont JE, Miot F. Cloning of two human thyroid cDNAs encoding new members of the NADPH oxidase family. *J Biol Chem* 275, 23227-23233, 2000.

Deleu S, Allory Y, Radulescu A, Pirson I, Carrasco N, Corvilain B, Salmon I, Franc B, Dumont JE, Van Sande J, Maenhaut C. Characterization of autonomous thyroid adenoma : metabolism, gene expression and pathology. *Thyroid* 10, 131-140, 2000.

De Moerlooze L, Williamson J, Liners F, Perret J, Parmentier M. Cloning and chromosomal mapping of the mouse and human genes encoding the orphan glucocorticoid-induced receptor

(GPR83). *Cytogenet Cell Genet* 90, 146-150, 2000.

Depoortere F, Pirson I, Bartek J, Dumont JE, Roger PP. Transforming growth factor  $\beta$ 1 selectively inhibits the cyclic AMP-dependent proliferation of primary thyroid epithelial cells by preventing the association of cyclin D3-cdk4 with nuclear p27kip1. *Mol Biol Cell* 11, 1061-1076, 2000.

Detheux M, Standker L, Vakili J, Munch J, Forssmann U, Adermann K, Pohlmann S, Vassart G, Kirchhoff F, Parmentier M, Forssmann WG. Natural proteolytic processing of hemofiltrate CC Chemokine 1 generates a potent CC chemokine receptor (CCR) and CCR5 agonist with anti-HIV properties. *J Exp Med* 192, 1501-1508, 2000.

Dremier S, Vandeput F, Zwartkruis FJT, Bos JL, Dumont JE, Maenhaut C. Activation of the small G protein Rap1 in dog thyroid cells by both cAMP-dependent and-independent pathways. *Biochem Biophys Res Commun* 267, 7-11, 2000.

Dupont G, Swillens S, Clair C, Tordjmann T, Combettes L. Hierarchical organization of calcium signals in hepatocytes: from experiments to models. *Biochim Biophys Acta* 1498, 134-152, 2000.

Dupont G, Tordjmann T, Clair C, Swillens S, Claret M, Combettes L. Mechanism of receptor-oriented intercellular calcium wave propagation in hepatocytes. *FASEB J* 14, 279-289, 2000.

Elharti E, Elaouad R, Simons MJ, Messouak-Elhachimi Z, Gluckman JC, Parmentier M, Benjouad A. Frequency of the CCR5delta32 allele in the Moroccan population. *AIDS Res Hum Retroviruses* 16, 87-89, 2000.

El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois J. SCH 58261 and ZM 241385 differentially prevent the motor effects of CGS 21680 in mice: evidence for a functional 'atypical' adenosine  $A_{2A}$  receptor. *Eur J Pharmacol* 401, 63-77, 2000.

El Yacoubi M, Ledent C, Ménard JF, Parmentier M, Costentin J, Vaugeois JM. The stimulant effects of caffeine on locomotor behaviour in mice are mediated through its blockade of adenosine  $A_{2A}$  receptors. *Br J Pharmacol* 129, 1465-1473, 2000.

El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. The anxiogenic-like effect of caffeine in two experimental procedures measuring anxiety in the mouse is not shared by selective  $A_{2A}$  adenosine receptor antagonists. *Psychopharmacology (Berl)* 148, 153-163, 2000.

Galle C, De Maertelaer V, Motte S, Zhou L, Stordeur P, Delville JP, Li R, Ferreira J, Goldman M, Capel P, Wautrecht JC, Pradier O, Dereume JP. Early inflammatory response after elective abdominal aortic aneurysm repair: A comparison between endovascular procedure and conventional surgery. *J Vasc Surg* 32, 234-46, 2000.

Giuriato S, Bodin S, Erneux C, Woscholski R, Plantavid M, Chap H, Payrastre B. Pp60c-src associates with the SH2-containing inositol-5-phosphatase SHIP1 and is involved in its tyrosine phosphorylation downstream of  $\alpha$ IIb  $\beta$ 3 integrin in human platelets. *Biochem J* 348, 107-112, 2000.

Horman S, Fokan D, Galand P. MCF-7 mammary tumour cells express the myeloid cell differentiation controlling factor, serine protease 3/myeloblastin. *Cell Prolif* 33, 331-340, 2000.

Jimenez AI, Castro E, Communi D, Boeynaems JM, Delacado EG, Miras-Portugal MT. Coexpression of several types of metabotropic nucleotide receptors in single cerebellar astrocytes. *J Neurochem* 75, 2071-2079, 2000.

Laurence JS, Blanpain C, Burgner JW, Parmentier M, LiWang PJ. CC chemokine MIP-1 beta can function as a monomer and depends on Phe13 for receptor binding. *Biochemistry* 39, 3401-3409, 2000.

Lund PE, Shariatmadari R, Uustare A, Detheux M, Parmentier M, Kukkonen JP, Akerman KE. The orexin OX1 receptor activates a novel Ca<sup>2+</sup> influx pathway necessary for coupling to phospholipase C. *J Biol Chem* 275, 30806-30812, 2000.

Martin M, Ledent C, Parmentier M, Maldonado R, Valverde O. Cocaine, but not morphine, induces conditioned place preference and sensitization to locomotor responses in CB1 knockout mice. *Eur J Neurosci* 12, 4038-4046, 2000.

Muraille E, Bruhns P, Pesesse X, Daeron M, Erneux C. The SH2 domain containing inositol 5-phosphatase SHIP2 associates to the immunoreceptor tyrosinebased inhibition motif of Fc $\gamma$ RIIB in B cells under negative signaling. *Immunology Letters* 72, 7-15, 2000.

Nosedá A, De Bruyne I, De Maertelaer V, Yernault JC. Does an IV bolus of methylprednisolone relieve dyspnea in asthma exacerbations ? *Chest* 118, 1530-1537, 2000.

Peretz A, Penaloza A, Mesquita M, Dratwa M, Verhas M, Martin P, de Maertelaer V, Bergmann P. Quantitative ultrasound and dual X-ray absorptiometry measurements of the calcaneus in patients on maintenance hemodialysis. *Bone* 27, 287-292, 2000.

Pichon B, Mercan D, Pouillon V, Christophe-Hobertus C, Christophe D. A method for the large scale cloning of nuclear proteins and nuclear targeting sequences on a functional basis. *Anal Biochem* 284, 231-239, 2000.

Pirson I, Fortemaison N, Jacobs C, Dremier S, Dumont JE, Maenhaut C. The visual display of regulatory information and networks. *Trends Cell Biol* 10, 404-408, 2000.

Santoro M, Thomas GA, Vecchio G, Williams GH, Fusco A, Chiappetta G, Pozcharkaya V, Bogdanova TI, Demidchik EP, Cherstvoy ED, Tronko ND, Carss A, Bunnell H, Tonnachera M, Parma J, Dumont JE, Keller G, Höfler H, Williams ED. Gene rearrangement and Chernobyl related thyroid cancers. *Brit J Cancer* 82, 315-322, 2000.

Suarez-Huerta N, Lecocq R, Mosselmans R, Galand P, Dumont JE, Robaye B. Myosin heavy chain degradation during apoptosis in endothelial cells. *Cell Prolif.* 33, 101-114, 2000.

Suarez-Huerta N, Boeynaems JM, Communi D. Cloning, genomic organization, and tissue distribution of human Ssf-1. *Biochem Biophys Res Commun* 275, 37-42, 2000.

Suarez-Huerta N, Mosselmans R, Dumont JE, Robaye B. Actin depolymerization and polymerization are required during apoptosis in endothelial cells. *J Cellular Physiology* 184, 239-245, 2000.

Svenningsson P, Lindskog M, Ledent C, Parmentier M, Greengard P, Fredholm BB, Fisone G. Regulation of the phosphorylation of the dopamine- and cAMP-regulated phosphoprotein of 32 kDa in vivo by dopamine D1, dopamine D2, and adenosine A2A receptors. *Proc Natl Acad Sci USA* 97, 1856-1860, 2000.

Takeushi H, Oike M, Paterson HF, Allen V, Kanematsu T, Ito Y, Erneux C, Katan M, Hirata M. Inhibition of Ca<sup>2+</sup> signalling by p130, a phospholipase-C-related catalytically inactive protein : critical role of the p130 pleckstrin homology domain. *Biochem J* 349, 357-368, 2000.

Tenenbaum L. Gene Therapy of neurodegenerative and demyelinating diseases. *Targeting of Drugs* 323, 53-68, 2000.

Tenenbaum M, Jurysta F, Stathopoulos A, Puschban Z, Melas C, Hermens WTJMC, Verhaagen J, Pichon B, Velu T, Levivier M. Tropism of AAV-2 vectors for neurons of the globus pallidus. *Regener Transplant* 11, 2277-2283, 2000.

Torfs H, Shariatmadari R, Guerrero F, Parmentier M, Poels J, Van Poyer W, Swinnen E, De Loof A, Akerman K, Vanden Broeck J. Characterization of a receptor for insect tachykinin-like peptide agonists by functional expression in a stable *Drosophila Schneider* 2 cell line. *J Neurochem* 74, 2182-2189, 2000.

Valverde O, Ledent C, Beslot F, Parmentier M, Roques BP. Reduction of stress-induced analgesia but not of exogenous opioid effects in mice lacking CB1 receptors. *Eur J Neurosci* 12, 533-539, 2000.

Van Keymeulen A, Dumont JE, Roger PP. TSH induces insulin receptors that mediate insulin costimulation of growth in normal human thyroid cells. *Biochem Biophys Res Commun* 279, 202-207, 2000.

Van Keymeulen A, Roger PP, Dumont JE, Dremier S. TSH and cAMP do not signal mitogenesis through Ras activation. *Biochem Biophys Res Commun* 273, 154-158, 2000.

**Vanderhaeghen P**, Lu Q, Prakash N, Frisen J, Walsh CA, Frostig RD, Flanagan JG. A mapping label required for normal scale of body representation in the cortex. *Nature Neuroscience* 3, 358-365, 2000.

**Vanderhaeghen P**. Un gene qui contrôle l' "homunculus". *Medecine/Sciences* 16, 850-851, 2000.

**Vanvooren V**, Allgeier A, Cosson E, Van Sande J, Defer N, Pirlot M, Hanoune J, Dumont JE. Expression of multiple adenylyl cyclase isoforms in human and dog thyroid. *Mol Cell Endocrinol* 170, 185-196, 2000.

**Willermain F**, Caspers-Velu L, Baudson N, Dubois C, Hamdane M, Willems F, Velu T, Bruyns C. Role and expression of CD40 on human retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci* 41, 3485-3491, 2000.