

CURRICULUM VITAE

Name: **PARMENTIER** Marc

Professional address: I.R.I.B.H.N. U.L.B. Campus Erasme, 808 route de Lennik,
1070 BRUSSELS BELGIUM
Phone: 32-2-555 41 71
Fax : 32-2-555 46 55
E-mail: mparment@ulb.ac.be

Date of birth: March 24, 1956

Citizenship: Belgian

Education: Universite Libre de Bruxelles (ULB), M.D. 1981, Ph.D. 1990

Positions held:

1981-1984: Aspirant of the National Fund for Scientific Research. Histology Laboratory, Free University of Brussels (ULB).

1984-1986: Fogarty international research fellow. Department of Biochemistry, Vanderbilt University, Nashville, TN, U.S.A

1986-1995: Chargé de recherche, Chercheur Qualifié, then Maître de Recherche of the National Fund for Scientific Research. IRIBHN, Free University of Brussels (ULB).

1996-2000: Associate Professor. IRIBHN, Free University of Brussels (ULB).

2000-present: Professor. IRIBHM and LCCE, Free University of Brussels (ULB).

Honors:

Marc Herlant prize 1985

Galien prize of Pharmacology 1991

Belgian Endocrine Society Lecture 1993

Harrington De Vishere prize of the European Thyroid Association 1994

Merck Sharpe and Dohme prize 1997

Liliane Bettencourt Prize 1998

Francqui prize 1999

Publications:

1. Immunohistochemical localization of 17-39 ACTH in the rat brain. Toubeau G, Parmentier M and Desclin JC. IRCS Medical Sciences, 6 (1978) 186.
2. Compared localizations of prolactin-like and adrenocorticotropin immunoreactivities within the brain of the rat. Toubeau G, Desclin JC, Parmentier M and Pasteels JL. Neuroendocrinology, 29 (1979) 374-384.
3. Cellular localization of prolactin-like antigen in the rat brain. Toubeau G, Desclin JC, Parmentier M and Pasteels JL. J. Endocrinol., 83 (1979) 261-266.
4. Pituitary-dependent renin-like immunoreactivity in the rat testis. Parmentier M, Inagami T, Pochet R and Desclin JC. Endocrinology, 112 (1983) 1318-1323.
5. A 45,000 molecular weight human renin precursor is synthesized in a cell-free translation system. Parmentier M, Inagami T and Pochet R. Clin. Sci., 65 (1983) 475-477.
6. Cloning of genomic DNA for human atrial natriuretic factor. MAKI, M., Parmentier M, and Inagami T. Biochem. Biophys. Res. Commun., 125 (1984) 797-802.
7. Demonstration of renin activity in purified rat Leydig cells, evidence for the existence of an endogenous inactive (latent) form of enzyme. Pandey K, Melner MH, Parmentier M, and Inagami T. Endocrinology, 115 (1984) 1753-1759.
8. Rat brain synthesises two "vitamin D-dependent" calcium-binding proteins. Pochet R, Parmentier M, Lawson DEM and Pasteels JL. Brain Research, 345 (1985) 251-256.
9. Biochemical studies of rat atrial natriuretic factor. Inagami T, Misono KS, Grammer RT, Fukumi M, Maki M, Tanaka I, McKenzie JC, Takayanagi R, Pandey KN and Parmentier M. Clin. Exp. Hypertension, A7 (1985) 851-866.
10. Vitamin D-dependent calcium-binding protein immunoreactivity in human retina. Verstappen A, Parmentier M, Chirnoaga M, Lawson DEM, Pasteels JL and Pochet R. Ophthalmic Research, 18 (1986) 209-214.
11. The storage form of renin in mature granules from rat kidney cortex. Kawamura M, McKenzie JC, Hoffman LH, Tanaka I Parmentier M and Inagami T. Hypertension, 8 (1986) 706-711.
12. Ultrastructural localization of brain "vitamin D-dependent" calcium-binding proteins. Pasteels JL, Pochet R, Surardt L, Hubeau C, Chirnoaga M, Parmentier M and Lawson DEM. Brain Research, 384 (1986) 294-303.

13. Calcium-binding protein immunoreactivity in pigeon retina. Pasteels B., Parmentier M, Lawson DEM, Verstappen A and Pochet R. *Invest. Ophthalmol. Vis. Sci.* 28 (1987) 658-664.
14. Calbindin in vertebrates classes. Immunohistochemical localization and Western blot analysis. Parmentier M, Ghysels M, Rypens F, Lawson DEM, Pasteels JL and Pochet R. *Gen. Comp. Endocrinol.* 65 (1987) 399-407.
15. Human calbindin complementary DNA sequence: evolutionary and functional implications. Parmentier M, Lawson DEM and Vassart G. *Eur. J. Biochem.* 170 (1987) 207-215.
16. Structure and physiological action of rat atrial natriuretic factor. Inagami T, Misono KS, Fukumi M, Maki M, Tanaka I, Takayanagi R, Imada T, Grammer RT, Naruse M, Naruse K, Pandey KN, Parmentier M, Yasujima M and Abe K. *Hypertension* 10 (1987) I113-I117.
17. Localization and secretion of newly synthesized and stored renin: two compartments and secretory mechanisms. Kawamura M, Parmentier M and Inagami T. *Am. J. Physiol.* 255 (1988) F100-F107.
18. HindIII RFLP on chromosome 8 detected with a calbindin 27kDa cDNA probe, HBSC21. Parmentier M and Vassart G. *Nucl. Acids. Res.*, 16 (1988) 9373.
19. The human calbindin 27 kDa gene: structural organisation of the 5' and 3' regions, chromosomal assignment and restriction fragment length polymorphism. Parmentier M, De Vijlder J, Muir E, Szpirer J, Islam MQ, Geurts Van Kessel A, Lawson DEM, and Vassart G. *Genomics* 4 (1989) 309-319.
20. Selective amplification and cloning of four new members of the G protein-coupled receptor family. Libert F, Parmentier M, Lefort A, Dinsart C, Van Sande J, Maenhaut C, Simons MJ, Dumont JE and Vassart G. *Science* 244 (1989) 569-572.
21. Molecular cloning of the thyrotropin receptor. Parmentier M, Libert F, Maenhaut C, Lefort A, Gérard C, Perret J, Van Sande J, Dumont JE and Vassart G. *Science* 246 (1989) 1620-1622.
22. Nucleotide sequence of the dog thyrotropin receptor cDNA. Parmentier M, Libert F, Maenhaut C, Lefort A, Gérard C, Perret J, Van Sande J, Dumont JE and Vassart G. *Nucl. Acids Res.* 17 (1989) 10493.
23. Cloning, sequencing and expression of the human thyrotropin (TSH) receptor: evidence for binding of autoantibodies. Libert F, Lefort A, Gérard C, Parmentier M, Perret J, Ludgate M, Dumont JE and Vassart G. *Biochem. Biophys. Res. Commun.* 165 (1989) 1250-1255.
24. The human genes for calbindin 27 and 29 kDa are located on different chromosomes. Parmentier M, Szpirer J, Levan G and Vassart G. *Cytogen. Cell Genet.* 52 (1989) 85-87.
25. Molecular cloning of a dog TSH receptor variant. Libert F, Parmentier M, Maenhaut C, Lefort A, Gérard C, Perret J, Van Sande J, Dumont JE and Vassart G. *Molec. Cell. Endocrinol.* 68 (1990) R15-R17.
26. Calbindin D28k is essentially located in the colonic part of the toad intestine. Parmentier M. *Biol. Cell* 68 (1990) 43-49.
27. Complete nucleotide sequence of a putative G protein coupled receptor: RDC1. Libert F, Parmentier M, Lefort A, Dumont JE and Vassart G. *Nucl. Acids Res.* 18 (1990) 1917.
28. Complete nucleotide sequence of a putative G protein coupled receptor: RDC4. Libert F, Parmentier M, Lefort A, Dumont JE and Vassart G. *Nucl. Acids Res.* 18 (1990) 1916.
29. Complete nucleotide sequence of a putative G protein coupled receptor: RDC7. Libert F, Parmentier M, Lefort A, Dumont JE and Vassart G. *Nucl. Acids Res.* 18 (1990) 1915.
30. Complete nucleotide sequence of a putative G protein coupled receptor: RDC8. Libert F, Parmentier M, Lefort A, Dumont JE and Vassart G. *Nucl. Acids Res.* 18 (1990) 1914.
31. Tissue specific expression and methylation of a thyroglobulin-CAT gene in transgenic mice. Ledent C, Parmentier M, and Vassart G. *Proc. Natl. Acad. Sci. U.S.A.* 87 (1990) 6176-6180.
32. Function, proliferation and differentiation of the dog and human thyrocyte. Maenhaut C, Lefort A, Libert F, Parmentier M, Raspe E, Roger P, Corvilain B, Laurent E, Reuse S, Mockel J, Lamy F, Van Sande J, and Dumont JE. *Horm. Metab. Res.* 23 (1990) 51-61.
33. Stable expression of the human TSH receptor in CHO cells and characterization of differentially expressing clones. Perret J, Ludgate M, Libert F, Gérard C, Dumont JE, Vassart G, and Parmentier M. *Biochem. Biophys. Res. Commun.* 171 (1990) 1044-1050.
34. Use of recombinant human thyrotropin receptor (TSH-R) expressed in mammalian cell lines to assay TSH-R autoantibodies. Ludgate M, Perret J, Parmentier M, Gérard C, Libert F, Dumont JE, and Vassart G. *Molec. Cell. Endocrinology* 73 (1990) R13-R18.
35. Le récepteur de la thyrotropine, un membre pas comme les autres de la famille des récepteurs couplés aux protéines G. Vassart G, Parmentier M, Libert F, and Dumont JE. *Médecine/Sciences* 10 (1990) 985-990.

36. Nucleotide sequence of the human cannabinoid receptor cDNA. Gérard C, Mollereau C, Vassart G, and Parmentier M. *Nucl. Acids Res.* 18 (1990) 7142.
37. RDC8 codes for an adenosine A2 receptor with physiological constitutive activity. Maenhaut C, Van Sande J, Libert F, Abramowicz M, Parmentier M, Vanderhaeghen JJ, Dumont JE, Vassart G, and Schiffmann S. *Biochem. Biophys. Res. Commun.* 173 (1990) 1169-1178.
38. Molecular Genetics of the thyrotropin receptor. Vassart G, Parmentier M, Libert F, and Dumont JJ. *Trends in Endocrinology Metab.* 2 (1991) 151-156.
39. Structure of the human brain calcium-binding protein calretinin and expression in bacteria. Parmentier M, and Lefort A. *Eur. J. Biochem.* 196 (1991) 79-85
40. The human calbindin D28k and calretinin genes are located on 8q21.3-8q22.1 and 16q22-16q23 regions, respectively, suggesting a common duplication with the carbonic anhydrase isozyme loci. Parmentier M, Passage E, Vassart G, and Mattei MG. *Cytogenet. Cell Genet.* 57 (1991) 41-43.
41. Current developments in G protein-coupled receptors. Libert F, Vassart G, and Parmentier M. *Curr. Opin. Cell Biol.* 3 (1991) 218-223.
42. Thyroid adenocarcinomas secondary to tissue specific expression of SV40 large T antigen in transgenic mice. Ledent C, Dumont JE, Vassart G, and Parmentier M. *Endocrinology* 129 (1991) 1391-1401.
43. The orphan receptor RDC7 encodes an A1 adenosine receptor. Libert F, Schiffmann S, Lefort A, Parmentier M, Gérard C, Dumont JE, Vanderhaeghen JJ, and Vassart G. *EMBO J.* 10 (1991) 1677-1682.
44. Chromosomal mapping of A1 and A2 adenosine receptors, VIP receptor and a new subtype of serotonin receptor. Libert F, Passage E, Parmentier M, Simons MJ, Vassart G, and Mattei MG. *Genomics* 11 (1991) 225-227.
45. Follitropin receptor down-regulation involves a cAMP-dependent post-transcriptional decrease of receptor mRNA expression. Themmen APN, Blok LJ, Post M, Baarends WP, Hoogerbrugge JW, Parmentier M, Vassart G, and Grootegoed JA. *Mol. Cell Endocrinol.* 78 (1991) R7-R11.
46. Molecular cloning of a human cannabinoid receptor which is also expressed in testis. Gérard C, Mollereau C, Vassart G, and Parmentier M. *Biochem. J.* 279 (1991) 129-134.
47. A new hypervariable locus (K29) maps to the q37.3 region of chromosome 2 and reveals a fingerprint. Parmentier M, Passage E, Mattei MG, and Vassart G. *Genomics* 11 (1991) 760-762.
48. The cyclic AMP cascade in the control of thyroid cell proliferation: the story of a concept. Ledent C, Parmentier M, Maenhaut C, Taton M, Lamy F, Roger P and Dumont JE. *Thyroidology* 3 (1991) 97-102.
49. Thyroid expression of an A2 adenosine receptor transgene induces thyroid hyperplasia and hyperthyroidism. Ledent C, Dumont JE, Vassart G, and Parmentier M. *EMBO J.* 11 (1992) 537-542.
50. Expression of members of the putative olfactory receptor gene family in mammalian germ cells. Parmentier M, Libert F, Schurmans, S., Schiffmann S, Lefort A, Eggerickx D, Ledent C, Mollereau C, Gérard C, Perret J, Grootegoed JA, and Vassart G. *Nature* 355 (1992) 453-455.
51. RDC1 may not be VIP receptor (letter). Nagata S, Ishihara T, Robberecht P, Libert F, Parmentier M, Christophe J, and Vassart G. *Trends Pharmacol. Sci.* 13 (1992) 102-103.
52. Molecular cloning, functional expression and pharmacological characterization of a human bradykinin B2 receptor gene. Eggerickx D, Raspe E, Bertrand D, Vassart G and Parmentier M. *Biochem. Biophys Res. Commun.* 187 (1992) 1306-1313.
53. Calretinin in rat ovary: an in situ hybridization and immunohistochemical study. Pohl V, Van Rampelbergh J, Mellaert S, Parmentier M and Pochet R. *Biochem. Biophys. Acta* 1160 (1992) 87-94.
54. Cloning and functional expression of the canine anaphylatoxin C5a receptor: evidence for high interspecies variability. Perret J, Raspe E, Vassart G and Parmentier M. *Biochem. J.* 288 (1992) 911-917.
55. Distribution of cannabinoid receptor messenger RNA in the human brain: an in situ hybridization histochemistry with oligonucleotides. Mailleux P, Parmentier M, Vanderhaeghen JJ. *Neurosci. Lett.* 143 (1992) 200-204.
56. Vassart G, Brabant G, Costagliola S, Danguy D, Gerard C, Libert F, Ludgate M, Maenhaut C, Parmentier M, Paschke R, et al. Molecular genetics of the thyrotropin receptor. *Exp Clin Endocrinol* 100 (1992) 9-11.
57. Vassart G, Parmentier M, Libert F, Eggerickx D, Gerard C, Maenhaut C, Mollereau C, Perret J, Schurman S, Van Sande J. Identification of orphan G protein-coupled receptors. *Clin Neuropharmacol* 15 Suppl 1 (1992) 147A-148A.
58. Reduction of calbindin-28k mRNA levels in Alzheimer as compared to Huntington hippocampus. Sutherland MK, Wong L, Somerville MJ, Yoong LKK, Bergeron C, Parmentier M and McLachlan DR. *Mol. Brain Res.* 18 (1993) 32-42.

59. The high affinity interleukin 8 receptor gene maps to the 2q33-2q36 region of the human genome. Cloning of a pseudogene for the low affinity receptor. Mollereau C, Passage E, Mattei MG, Vassart G and Parmentier M. *Genomics* 16 (1993) 248-251.
60. The HGMP07E gene encoding a putative olfactory receptor maps to the 17p12-17p13 region of the human genome and reveals a MspI restriction fragment length polymorphism. Schurmans S, Passage E, Miot F, Mattei MG, Vassart G and Parmentier M. *Cytogenet Cell Genet.* 63 (1993) 200-204.
61. Olfactory receptors are displayed on dog mature sperm cells. Vanderhaeghen P, Schurmans S, Vassart G and Parmentier M. *J. Cell Biol.* 123 (1993) 1441-1452.
62. ORL1, a novel member of the opioid receptor family. Cloning, functional expression and localization. Mollereau C, Parmentier M, Mailleux P, Butour JL, Moisand C, Chalon P, Caput D, Vassart G and Meunier JC. *FEBS Lett.* 341 (1994) 33-38.
63. Molecular cloning, functional expression, and pharmacological characterization of a mouse melanocortin receptor gene. Desarnaud F, Labbe O, Eggerickx D, Vassart G and Parmentier M. *Biochem. J.* 299 (1994) 367-373.
64. Models of thyroid goiter and tumours in transgenic mice. Ledent C, Parmentier M, Vassart G and Dumont JE. *Mol. Cell Endocrinol.* 100 (1994) 167-169.
65. Molecular cloning of a mouse melanocortin 5 receptor gene widely expressed in peripheral tissues. Labbé O, Desarnaud F, Eggerickx D, Vassart G and Parmentier M. *Biochemistry* 33 (1994) 4543-4549.
66. Génétique moléculaire des récepteurs olfactifs. Parmentier M, Vanderhaeghen P, Schurmans S, Libert F and Vassart G. *Médecine/Sciences* 10 (1994) 1083-1090.
67. Importance of the extracellular domain of the human thyrotrophin receptor for activation of cyclic AMP production. Paschke R, Parmentier M and Vassart G. *J. Molec. Endocrinol.* 13 (1994) 199-207.
68. Les spermatozoïdes ont-ils du nez? Vanderhaeghen P, Schurmans S, Vassart G and Parmentier M. *Médecine/Sciences* 10 (1994) 1136-1140.
69. Calbindin D-28K immunoreactivity of human cone cells varies with retinal position. Haley TL, Pochet R, Baizer L, Burton MD, Crabb JW, Parmentier M and Polans AS. *Visual Neurosci.* 12 (1995) 301-307.
70. La famille des récepteurs couplés aux protéines G et ses orphelins. Parmentier M, Libert F and Vassart G. *Médecine/Sciences* 11 (1995) 222-231.
71. Positive control of proliferation by the cyclic AMP cascade: an oncogenic mechanism of hyper-functional adenoma. Ledent C, Parma J, Pirson I, Taton M, Roger P, Maenhaut C, Van Sande J, Pohl V, Lamy F, Parmentier M, Vassart G and Dumont JE. *J. Endocrinol. Invest.* 18 (1995) 120-122.
72. Differentiated carcinomas develop as a consequence of the thyroid specific expression of a thyroglobulin-human papillomavirus type 16 E7 transgene. Ledent C, Marcotte A, Dumont JE, Vassart G and Parmentier M. *Oncogene* 10 (1995) 1789-1797.
73. Molecular cloning of an orphan G-protein-coupled receptor that constitutively activates adenylate cyclase. Eggerickx D, Deneff JF, Labbé O, Hayashi Y, Refetoff S, Vassart G, Parmentier M and Libert F. *Biochem J.* 309 (1995) 837-843.
74. Isolation and structure of the endogenous agonist of opioid receptor-like ORL1 receptor. Meunier JC, Mollereau C, Toll L, Suaudeau C, Moisand C, Alvinerie P, Butour JL, Guillemot C, Ferrara P, Monsarrat B, Mazarguil H, Vassart G, Parmentier M and Costentin J. *Nature* 377 (1995) 532-535.
75. Cloning and functional expression of a human uridine nucleotide receptor. Communi D, Piroton S, Parmentier M and Boeynaems JM. *J. Biol. Chem.* 270 (1995) 30849-30852.
76. Molecular cloning and functional characterization of a new CC-chemokine receptor gene. Samson M, Labbé O, Mollereau C, Vassart G and Parmentier M. *Biochemistry* 35 (1996) 3362-3367.
77. Cloning and tissue distribution of the human P2Y1 receptor. Janssens R, Communi D, Piroton S, Samson M, Parmentier M and Boeynaems JM. *Biochem. Biophys. Res. Commun.* 221 (1996) 588-593.
78. La nociceptine et son récepteur. Meunier JC, Mollereau C, Costentin J, Parmentier M and Vassart G. *Medecine/Sciences* 12 (1996) 373-376.
79. Cloning, functional expression and tissue distribution of the human P2Y6 receptor. Communi D, Parmentier M and Boeynaems JM. *Biochem. Biophys. Res. Commun.* 222 (1996) 303-308.
80. A dual-tropic, primary HIV-1 isolate that uses both fusin and the β -chemokine receptor CKR-5 as entry cofactors. Doranz BJ, Rucker J, Yi Y, Smyth RJ, Samson M, Parmentier M, Collman RG, and Doms RW. *Cell* 85 (1996) 1149-1158.
81. Resistance to HIV-1 infection of Caucasian individuals bearing mutant alleles of the CCR5 chemokine receptor gene. Samson M, Libert F, Doranz BJ, Rucker J, Liesnard C, Farber CM, Saragosti S, Lapoumeroulie C, Cogniaux J, Forceille C, Muyldermans G, Verhofstede C, Guy Burtonboy G, Georges M, Imai T, Rana S, Yi Y, Smyth RJ, Collman RG, Doms RW, Vassart G and Parmentier M. *Nature* 382 (1996) 722-725.

82. Structure, tissue distribution and chromosomal localization of the prepronociceptin gene. Mollereau C, Simons MJ, Soularue P, Liners F, Vassart G Meunier JC and Parmentier M. *Proc. Natl. Acad. Sci. USA* 93 (1996) 8666-8670.
83. The genes encoding the human CC-chemokine receptors CC-CKR1 to 5 are clustered in the p21.3-p24 region of chromosome 3. Samson M, Soularue P, Vassart G and Parmentier M. *Genomics* 36 (1996) 522-526.
84. Early occurrence of metastatic differentiated thyroid carcinomas in transgenic mice expressing the A2a adenosine receptor gene and the human papillomavirus type 16 E7 oncogene. Coppée F, Gérard AC, Deneff JF, Ledent C, Vassart G, Dumont JE and Parmentier M. *Oncogene* 13 (1996) 1471-1482.
85. Un récepteur défectueux qui protège contre le SIDA. Samson M, Libert F, Vassart G and Parmentier M. *Medecine/Sciences* 12 (1996) 1037-1039.
86. Regions in β -Chemokine Receptors CCR5 and CCR2b that Determine HIV-1 Cofactor Specificity. Rucker J, Samson M, Doranz BJ, Libert F, Berson JF, Yi Y, Collman RG, Broder CC, Vassart G, Doms RW and Parmentier M. *Cell* 87 (1996) 437-446.
87. Transgenic models for thyroid diseases. Ledent C, Coppée F, Dumont JE, Vassart G and Parmentier M. *Exp. Clin. Endocrinol. Diabetes* 104 Suppl 3 (1996) 43-46.
88. Molecular cloning and chromosomal mapping of a novel human gene, ChemR1, expressed in CD4⁺ and CD8⁺ T lymphocytes and encoding a receptor related to chemokine receptors. Samson M, Stordeur P, Labbé O, Soularue P, Vassart G and Parmentier M. *Eur. J. Immunol.* 26 (1996) 3021-3028.
89. Replacement of Gln280 by His in TM6 of the human ORL1 receptor increases affinity but reduces intrinsic activity of opioids. Mollereau C, Moisand C, Butour L, Parmentier M and Meunier JC. *FEBS Lett* 395 (1996) 17-21.
90. Involvement of distinct receptors in the actions of extracellular uridine receptors. Boeynaems JM, Communi D, Piroton S, Motte S and Parmentier M. *Ciba Found Symp* 198 (1996) 266-274.
91. L'interaction entre VIH-1 et ses corécepteurs. Samson M, Libert F, Vassart G and Parmentier M. *Medecine/Sciences* 13 (1997) 264-266.
92. Specific repertoire of olfactory receptor genes in the male germ cells of several mammalian species. Vanderhaeghen P, Schurmans S, Vassart G and Parmentier M. *Genomics* 39 (1997) 239-246.
93. Role of CCR5 in infection of primary macrophages and lymphocytes by M-tropic strains of HIV: resistance to patient-derived and prototype isolates resulting from the *ccr5* mutation. Rana S, Besson G, Cook DG, Rucker J, Smyth RJ, Yi Y, Turner J, Guo HH, Du JG, Peiper SC, Lavi E, Samson M, Libert F, Liesnard C, Vassart G, Doms RW, Parmentier M and Collman RG. *J. Virol.* 71 (1997) 3219-3227.
94. Differential utilization of CCR5 by macrophages and T-cell tropic SIV strains. Edinger AL, Amedee A, Miller K, Doranz BJ, Endres M, Sharron M, Samson M, Lu Z, Clements JE, Murphey-Corb M, Peiper SC, Parmentier M, Broder CC and Doms RW. *Proc. Natl. Acad. Sci. USA* 94 (1997) 4005-4010.
95. Costimulation of adenylyl cyclase and phospholipase C by a mutant β_{1B} adrenergic receptor transgene promotes malignant transformation of thyroid follicular cells. Ledent C, Deneff JF, Cottecchia S, Lefkowitz R, Dumont JE, Vassart G, and Parmentier M. *Endocrinology* 138 (1997) 369-378.
96. Aggressiveness, hypoalgesia and increased blood pressure in mice deficient for the adenosine A_{2a} receptor. Ledent C, Vaugeois JM, Schiffmann SN, Pedrazzini T, El Yacoubi M, Vanderhaeghen JJ, Costentin J, Heath JK, Vassart G and Parmentier M. *Nature* 388 (1997) 674-678.
97. Molecular cloning and chromosomal mapping of olfactory receptor genes expressed in the male germ line: Evidence for their wide distribution in the human genome. Vanderhaeghen P, Schurmans S, Vassart G and Parmentier M. *Biochem; Biophys. Res. Commun.* 237 (1997) 283-287.
98. Impaired regional LTP in calretinin-deficient mice. Schurmans S, Schiffmann SN, Gurden H, Lemaire M, Lipp HP, Schwam V, Pochet R, Imperato A, Böhme GA and Parmentier M. *Proc. Natl. Acad. Sci. USA* 94 (1997) 10415-10420.
99. The second intracellular loop of CCR5 is the major determinant of ligand specificity. Samson M, LaRosa G, Libert F, Paindavoine P, Detheux M, Vassart G and Parmentier M. *J. Biol. Chem.* 272 (1997) 24934-24941.
100. Interaction of chemokine receptor CCR5 with its ligands: multiple domains for HIV-1 gp120 binding and a single domain for chemokine binding. Wu L, LaRosa G, Kassam N, Gordon CJ, Heath H, Ruffing N, Chen H, Humblis J, Samson M, Parmentier M, Moore JP and Mackay CR. *J. Exp. Med.* 186 (1997) 1373-1381.
101. Utilization of chemokine receptors, orphan receptors, and herpesvirus encoded receptors by diverse human and simian immunodeficiency viruses. Rucker, J., Edinger, A.L., Sharron, M., Samson, M., Lee, B., Berson, J.F., Yi, Y., Collman, R.G., Doranz, B.J., Parmentier, M. and Doms, R.W. *J. Vir.* 71 (1997) 8999-9007.
102. Cloning of a human purinergic P2Y receptor coupled to phospholipase C and adenylyl cyclase. Communi D, Govaerts C, Parmentier M, Boeynaems JM. *J. Biol. Chem.* 272 (1997) 31969-31973.

103. Des souris qui ne bénéficient plus des effets stimulants de la caféine. Vaugeois JM, El Yacoubi M, Costentin J, Ledent C, Parmentier M. *Médecine/Sciences* 13 (1997) 1496-1500.
104. The cAMP in thyroid: from the TSH receptor to mitogenesis and tumorigenesis. Uyttersprot N, Allgeier A, Baptist M, Christophe D, Coppee F, Coulonval K, Deleu S, Depoortere F, Dremier S, Lamy F, Ledent C, Maenhaut C, Miot F, Panneels V, Parma J, Parmentier M, Pirson I, Pohl V, Roger P, Savonet V, Taton M, Tonacchera M, van Sande J, Wilkin F, Vassart G, et al. *Adv Second Messenger Phosphoprotein Res* 31 (1997) 125-140.
105. Functional characterization of novel G protein-coupled receptors involved in nociception and HIV-1 infection. Samson M, Mollereau C, Rucker J, Libert F, Doranz BJ, Liesnard C, Yi Y, Smyth RJ, Liners F, Collman RG, Costentin J, Meunier JC, Doms R, Vassart G, Parmentier M. *Proceedings, XIVth International Symposium on Medicinal Chemistry* (F. Awouters Ed.) Elsevier Science 1997, pp 383-396.
- 106 The CC chemokine I309 is a functional ligand for ChemR1/CCR8 and inhibits ChemR1/CCR8 dependent infection by diverse HIV-1 strains. Horuk, R., J. Hesselgesser, Y. Zhou, D. Faulds, D. Taub, M. Samson, M. Parmentier, J. Rucker, B.J. Doranz, and R.W. Doms. *J. Biol. Chem.* 173 (1998) 386-391.
- 107 The *Dccr5* mutation conferring protection against HIV-1 in Caucasian populations has a single and recent origin in Northeastern Europe. Libert F, Cochaux P, Beckman G, Samson M, Aksenova M, Cao A, Czeizel A, Claustres M, de la Rúa C, Ferrari M, Ferrec C, Glover G, Grinde B, Güran S, Kucinskias V, Lavinha J, Mercier B, Ogur G, Peltonen L, Rosatelli C, Schwartz M, Spitsyn V, Timar L, Beckman L, Parmentier M and Vassart G. *Hum. Mol. Genet.* 7 (1998) 399-406.
- 108 ChemR23, a putative chemoattractant receptor, is expressed in dendritic cells and is a coreceptor for SIV and some HIV-1 strains. Samson M, Edinger AL, Stordeur P, Rucker J, Verhasselt V, Sharron M, Govaerts C, Mollereau C, Vassart G, Doms RW, and Parmentier M. *Eur. J. Immunol.* 28 (1998) 1689-1700.
- 109 Structure-function relationships of CCR5 as a chemokine receptor and HIV co-receptor. Samson M, Libert F, Cochaux P, Rucker J, Doranz BJ, LaRosa G, Paindavoine P, Detheux M, Blanpain C, Govaerts C, Maho A, Doms RW, Vassart G, Parmentier M. in: *Retroviruses of Human AIDS and related animal diseases*. Elsevier 1998, pp 55-60.
- 110 Genomic organization and promoter characterization of human CXCR4 gene. Caruz A, Samson M, Alonso JM, Alcamí J, Baleux F, Virelizier JL, Parmentier M, Arenzana-Seisdedos F. *FEBS Lett.* 426 (1998) 271-278.
111. Synthetic full-length and truncated RANTES inhibit HIV-1 infection of primary macrophages. Ylisastigui L, Vizzavona J, Drakopoulou E, Paindavoine P, Calvo CF, Parmentier M, Gluckman JC, Vita C, Benjouad A. *AIDS* 12 (1998) 977-984.
112. Directed selection of MIP-1a neutralizing CCR5 antibodies from a phage display human antibody library. Osbourn JK, Earnshaw JC, Johnson KS, Parmentier M, Timmermans V and McCafferty J. *Nature Biotechnology* 16 (1998) 778-781.
113. Coppee F, Depoortere F, Bartek J, Ledent C, Parmentier M and , Dumont JE. Differential patterns of cell cycle regulatory proteins expression in transgenic models of thyroid tumours. *Oncogene* 17 (1998) 631-641.
114. Pesini P, Detheux M, Parmentier M and Hokfelt T. Distribution of a glucocorticoid-induced orphan receptor (JP05) mRNA in the central nervous system of the mouse. *Brain Res Mol Brain Res* 57 (1998) 281-300.
115. Thyroid insular carcinoma. Franc B, Ledent C, de Saint-Maur PP, Parmentier M. *Arch Anat Cytol Pathol* 46 (1998) 63-78.
116. Transgenic mouse models: their interest in thyroid tumors. Ledent C, Franc B, Parmentier M. *Arch Anat Cytol Pathol* 46 (1998) 31-7.
117. Calretinin expression as a critical component in the control of dentate gyrus long-term potentiation induction in mice. Gurden H, Schiffmann SN, Lemaire M, Böhme GA, Parmentier M and Schurmans S. *Eur J Neurosci* 10 (1998) 3029-3033.
118. The inhibitory effect of RANTES on the infection of primary macrophages by R5 human immunodeficiency virus type-1 depends on the macrophage activation state. Amzazi S, Ylisastigui L, Bakri Y, Rabeih L, Gattegno L, Parmentier M, Gluckman JC and Benjouad A. *Virology* 252 (1998) 96-105.
119. Unresponsiveness to Cannabinoids and Reduced Addictive Effects of Opiates in CB₁ Receptor Knock Out Mice. Ledent C, Valverde O, Cossu G, Petitet F, Aubert JF, Beslot F, Böhme GA, Imperato A, Pedrazzini T, Roques BP, Vassart G, Fratta W, Parmentier M. *Science* 285 (1999) 401-404.
120. Epitope mapping of CCR5 reveals multiple conformational states and distinct but overlapping structures involved in chemokine and coreceptor function. Lee B, Sharron M, Blanpain C, Doranz BJ, Vakili J, Setoh P, Berg E, Liu G, Guy HR, Durell SR, Parmentier M, Chang CN, Price K, Tsang M and Doms RW. *J. Biol. Chem.* 274 (1999) 9617-9626.
121. Struyf S, Proost P, Schols D, De Clercq E, Opdeneker G, Lenaerts JP, Detheux M, Parmentier M, De Meester I, Scharpé S and Van Damme J. CD26/dipeptidyl-peptidase IV downregulates the eosinophil chemotactic potency, but not the anti-HIV activity of human eotaxin by affecting its interaction with CC chemokine receptor 3. *J. Immunol.* 162 (1999) 4903-4909.
122. Functional dissection of CCR5 coreceptor function through the use of CD4-independent simian immunodeficiency virus strain. Edinger AL, Blanpain C, Kunstman KJ, Wolinsky SM, Parmentier M, Doms RW. *J Virol* 73 (1999) 4062-4073.

123. Distribution of nociceptin precursor transcripts in the mouse central nervous system. Boom A, Mollereau C, Meunier JC, Vassart G, Parmentier M, Vanderhaeghen JJ and Schiffmann SN. *Neuroscience* 91 (1999) 991-1007.
124. Impaired motor coordination and purkinje cell excitability in mice lacking calcitonin. Schiffmann SN, Cheron G, Lohof A, d'Alcantara P, Meyer M, Parmentier M, Schurmans S. *Proc Natl Acad Sci USA* 96 (1999) 5257-5262.
125. Immunolocalization of a tachykinin-receptor-like protein in the central nervous system of *Locusta migratoria migratorioides* and *Neobellieria bullata*. Veelaert D, Oonk HB, Vanden Eynde G, Torfs H, Meloen RH, Schoofs L, Parmentier M, De Loof A, Vanden Broeck J. *J. Comp. Neurol.* 407 (1999) 415-426.
126. Expression of P2Y receptors in cell lines derived from the human lung. Communi D, Paindavoine P, Place G, Parmentier M and Boeynaems JM. *Brit. J. Pharmacol.* 127 (1999) 562-568.
127. Extracellular disulfide bonds of CCR5 are required for chemokine binding, but dispensable for HIV-1 coreceptor activity. Blanpain C, Lee B, Vakili J, Doranz BJ, Govaerts C, Migeotte I, Detheux M, Vassart G, Doms RW and Parmentier M. *J Biol Chem* 274 (1999) 18902-18908.
128. Janssens R, Paindavoine P, Parmentier M, Boeynaems JM. Human P2Y2 receptor polymorphism: identification and pharmacological characterization of two allelic variants. *Br. J. Pharmacol.* 127 (1999) 709-716.
129. Physical mapping of the CC-chemokine gene cluster on the human 17q11.2 region. Maho A, Carter A, Bensimon A, Vassart G and Parmentier M. *Genomics* 59 (1999) 213-223.
130. CCR5 binds multiple CC-chemokines: MCP-3 acts as a natural antagonist. Blanpain C, Migeotte I, Lee B, Vakili J, Doranz BJ, Govaerts C, Vassart G, Doms RW and Parmentier M. *Blood* 94 (1999) 1899-1905.
131. Enhancement of memory in cannabinoid CB₁ receptor knock-out mice. Reibaud M, Obinu MC, Ledent C, Parmentier M, Böhme GA, Imperato A, *Eur J Pharmacol* 379 (1999) R1-R2.
132. Differential responsiveness to constitutive vs. inducible chemokines of immature and mature mouse dendritic cells. Vecchi A, Massimiliano L, Ramponi S, Luini W, Bernasconi S, Bonecchi R, Allavena P, Parmentier M, Mantovani A, Sozzani S. *J Leukoc Biol* 66 (1999) 489-494.
133. Lack of morphine-induced dopamine release in the nucleus accumbens of cannabinoid CB₁ receptor knockout mice. Mascia MS, Obinu MC, Ledent C, Parmentier M, Böhme GA, Imperato A and Fratta W. *Eur J Pharmacol* 383 (1999) R1-R2.
134. Multiple charged and aromatic residues in CCR5 amino-terminal domain are involved in high affinity binding of both chemokines and HIV-1 Env protein. Blanpain C, Doranz BJ, Vakili J, Rucker J, Govaerts C, Baik SSW, Lorthioir O, Migeotte I, Libert F, Baleux F, Vassart G, Doms RW and Parmentier M. *J. Biol. Chem.* 274 (1999) 34719-34727.
135. Enhanced long-term potentiation in mice lacking cannabinoid CB₁ receptors. Böhme GA, Laville M, Ledent C, Parmentier M, and Imperato A. *Neuroscience* 95 (1999) 5-7.
136. Physical mapping of the XCR1 and CX3CR1 genes to the CCR cluster within the p21.3 region of human genome. Maho A, Bensimon A, Vassart G and Parmentier M. *Cytogen. Cell Genet* 87 (1999) 265-268.
137. Genetics of HIV coreceptors and coreceptor ligands. Libert F, Vassart G and Parmentier M. *AIDS Reviews* 1 (1999) 221-230.
138. Reduction of stress-induced analgesia but not of exogenous opioid effects in mice lacking CB₁ receptors. Valverde O, Ledent C, Beslot F, Parmentier M, Roques BP, *Eur J Neurosci* 12 (2000) 533-539.
139. Frequency of the CCR5 32 allele in the Moroccan population. Elharti E, Elaouad R, Simons MJ, Messouak-Elhachimi Z, Gluckman JC, Parmentier M, Benjouad A. *AIDS Res Hum Retroviruses* 16 (2000) 87-89.
140. 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. El Yacoubi M, Ledent C, Parmentier M, Costentin J and Vaugeois JM. *Psychopharmacology* 148 (2000) 153-163.
141. Regulation of DARPP-32 phosphorylation *in vivo* by dopamine D₁, dopamine D₂ and adenosine A_{2A} receptors. Svenningsson PS, Lindskog M, Ledent C, Parmentier M, Greengard P, Fredholm BB and Fisone G. *Proc Natl Acad Sci USA* 97 (2000) 1856-1860.
142. CC chemokine MIP-1 can function as a monomer and depends on Phe13 for receptor binding. Laurence JS, Blanpain C, Burgner JW, Parmentier M and LiWang PJ. *Biochemistry* 39 (2000) 3401-3409.
143. The stimulant effects of caffeine on locomotor behaviour in mice are mediated through its blockade of adenosine A_{2A} receptors. El Yacoubi M, Ledent C, Ménard JF, Parmentier M, Costentin J and Vaugeois JM. *Br J Pharmacol* 129 (2000) 1465-1473.
144. Characterization of a receptor for insect tachykinin-like peptide agonists by functional expression in *Drosophila* S2 cells. Torfs, H., Shariatmadari, R., Guerrero, F., Parmentier, M., Poels, J., Van Poyer, W., Swinnen, E., De Loof, A., Åkerman, K., & Vanden Broeck, J. *J. Neurochem.* 74 (2000) 2182-2189.

145. The orexin OX1 receptor activates a novel Ca²⁺ influx pathway necessary for coupling to phospholipase C. Lund PE, Shariatmadari R, Uustere A, Detheux M, Parmentier M, Kukkonen JP, Akerman KE. *J Biol Chem* 275 (2000) 30806-12.
146. SCH 58261 and ZM 241385 differentially prevent the motor effects of CGS 21680 in mice: evidence for a functional 'atypical' adenosine A(2A) receptor. El Yacoubi M, Ledent C, Parmentier M, Costentin J and Vaugeois JM. *Eur J Pharmacol* 401 (2000) 63-77.
147. Electrophysiological behavior of Purkinje cells and motor coordination in calretinin knock-out mice. Cheron G, Schurmans S, Lohof A, d'Alcantara P, Meyer M, Draye JP, Parmentier M, Schiffmann SN. *Prog Brain Res* 124 (2000) 299-308.
148. Multiple nonfunctional alleles of CCR5 are frequent in various human populations. Blanpain C, Lee B, Tackoen M, Puffer B, Boom A, Libert F, Sharron M, Wittamer V, Vassart G, Doms RW, Parmentier M. *Blood* 96 (2000) 1638-1645.
149. Regulation of nociceptin mRNA expression in the septum by dopamine and adenosin systems. Dassesse D, Ledent C, Meunier JC, Parmentier M and Schiffmann SN. *NeuroReport* 11 (2000) 3243-3246.
150. De Moerloozee L, Williamson J, Liners F, Perret J and Parmentier M (2000). Cloning and chromosomal mapping of the mouse and human genes encoding the orphan glucocorticoid-induced receptor (GPR83). *Cytogen Cell Genet* 90 (2000) 146-150.
151. Natural proteolytic processing of hemofiltrate CC chemokine 1 generates a potent CC chemokine receptor (CCR)1 and CCR5 agonist with anti-HIV properties. Detheux M, Standker L, Vakili J, Munch J, Forssmann U, Adermann K, Pohlmann S, Vassart G, Kirchhoff F, Parmentier M and Forssmann WG. *J. Exp. Med.* 192 (2000) 1501-1508.
152. Cocaine, but not morphine, induces conditioned place preference and sensitization to locomotor responses in CB1 knockout mice. Martin M, Ledent C, Parmentier M, Maldonado R, Valverde O. *Eur J Neurosci.* 12 (2000) 4038-4046.
153. CCR5. Blanpain C and Parmentier M. in "Cytokine Reference". JJ Oppenheim and M Feldman eds. Academic Press 2000.
154. Absence of the adenosine A(2A) receptor or its chronic blockade decrease ethanol withdrawal-induced seizures in mice. El Yacoubi M, Ledent C, Parmentier M, Daoust M, Costentin J, Vaugeois J. *Neuropharmacology* 40 (2001) 424-432.
155. Cannabinoid CB(1) receptor knockout mice fail to self-administer morphine but not other drugs of abuse. Cossu G, Ledent C, Fattore L, Imperato A, Bohme GA, Parmentier M, Fratta W. *Behav Brain Res* 118 (2001) 61-65.
156. 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. A structural determinant of chemokine-induced activation. *J Biol Chem.* 276 (2001) 13217-13225.
157. El Yacoubi M, Ledent C, Parmentier M, Costentin J, Vaugeois JM. Adenosine A2A receptor knockout mice are partially protected against drug-induced catalepsy. *Neuroreport.* 12 (2001) 983-986.
158. Laurence JS, Blanpain C, De Leener A, Parmentier M, LiWang PJ. Importance of basic residues and quaternary structure in the function of MIP-1 beta: CCR5 binding and cell surface sugar interactions. *Biochemistry.* 40 (2001) 4990-4999.
159. 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 (2001) 23795-23804.
160. Mollereau C, Gouarderes C, Dumont Y, Kotani M, Detheux M, Doods H, Parmentier M, Quirion R, Zajac JM. Agonist and antagonist activities on human NPPF(2) receptors of the NPY ligands GR231118 and BIBP3226. *Br J Pharmacol.* 133 (2001) 1-4.
161. 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. *Br J Pharmacol.* 133 (2001) 138-144.
162. Derkinderen P, Ledent C, Parmentier M, Girault JA. Cannabinoids activate p38 mitogen-activated protein kinases through CB1 receptors in hippocampus. *J Neurochem.* 77 (2001) 957-960.
163. Martin L, Blanpain C, Garnier P, Wittamer V, Parmentier M, Vita C. Structural and functional analysis of the RANTES-glycosaminoglycans interactions. *Biochemistry.* 40 (2001) 6303-6318.
164. Blanpain C, Buser R, Power CA, Edgerton M, Buchanan C, Mack M, Simmons G, Clapham PR, Parmentier M, Proudfoot AE. A chimeric MIP-1alpha/RANTES protein demonstrates the use of different regions of the RANTES protein to bind and activate its receptors. *J Leukoc Biol.* 69 (2001) 977-985.
165. 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(2A) receptors. *J Neurochem.* 78 (2001) 183-198.
166. Kotani M, Detheux M, Vandenbogaerde A, Communi D, Vanderwinden JM, Le Poul E, Brezillon 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 (2001) 34631-34636.

167. Misse 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 (2001) 541-7.
168. Derkinderen P, Toutant M, Kadare 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 (2001)38289-38296.
169. El Yacoubi M, Ledent C, Parmentier M, Bertorelli R, Ongini E, Costentin J, Vaugeois JM. Adenosine A(2A) receptor antagonists are potential antidepressants: evidence based on pharmacology and A(2A) receptor knockout mice. *Br J Pharmacol*. 134 (2001) 68-77.
170. 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 [9 –74] Processed Variant. *J Immunol*. 167 (2001) 3406-3413.
171. Communi D, Suarez Gonzalez N, Detheux M, Brezillon S, Lannoy V, Parmentier M, Boeynaems JM. Identification of a novel human ADP receptor coupled to Gi. *J Biol Chem*. 276 (2001) 41479-41485.
172. Dassel D, Ledent C, Parmentier M, Schiffmann SN. Acute and chronic caffeine administration differentially alters striatal gene expression in wild-type and adenosine A2a receptor-deficient mice. *Synapse* 42 (2001) 63-76.
173. 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 (2001) 3554-3561.
174. El Yacoubi M, Ledent C, Parmentier M, Ongini E, Costentin J, Vaugeois JM. In vivo labelling of the adenosine A2A receptor in mouse brain using the selective antagonist [3H]SCH 58261. *Eur J Neurosci*. 14 (2001) 1567-1570.
175. Brezillon S, Detheux M, Parmentier M, Hokfelt T, Hurd YL. Distribution of an orphan G-protein coupled receptor (JP05) mRNA in the human brain. *Brain Res*. 921 (2001) 21-30.
176. Martin M, Ledent C, Parmentier M, Maldonado R, Valverde O. Involvement of CB1 cannabinoid receptors in emotional behaviour. *Psychopharmacology (Berl)*. 159 (2002) 379-87.
177. 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 (2002) 494-501.
178. 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 (2002). Multiple active states and oligomerization of CCR5 revealed by functional properties of monoclonal antibodies. *Mol Biol Cell* 13: 723-737.
179. Monory K, Th Tzavara E, Lexime J, Ledent C, Parmentier M, Borsodi A, Hanoune J (2002). Novel, not adenylyl cyclase-coupled cannabinoid binding site in cerebellum of mice. *Biochem Biophys Res Commun* 292: 231-235.
180. Maccarrone M, Valverde O, Barbaccia ML, Castane A, Maldonado R, Ledent C, Parmentier M, Finazzi-Agro A (2002). Age-related changes of anandamide metabolism in CB1 cannabinoid receptor knockout mice: correlation with behaviour. *Eur J Neurosci*. 15:1178-1186.
181. Torfs H, Detheux M, Oonk HB, Akerman KE, Poels J, Loy TV, Loof AD, Vassart G, Parmentier M, Vanden Broeck J (2002). Analysis of C-terminally substituted tachykinin-like peptide agonists by means of aequorin-based luminescent assays for human and insect neurokinin receptors. *Biochem Pharmacol*. 63:1675-82.
182. Vita C, Drakopoulou E, Ylisastigui L, Bakri Y, Vizzavona J, Martin L, Parmentier M, Gluckman JC, Benjouad A (2002). Synthesis and characterization of biologically functional biotinylated RANTES. *J Immunol Methods*. 266: 53-65.
183. Issafras H, Angers S, Bulenger S, Blanpain C, Parmentier M, Labbe-Jullie C, Bouvier M, Marullo S (2002). Constitutive agonist-independent CCR5 oligomerization and antibody-mediated clustering occurring at physiological levels of receptors. *J Biol Chem*. [epub ahead of print]