

[Publications](#)

## Liste des publications communes à plusieurs équipes de l'IFR 135 : 2004 - 2008

### Année 2008

Song J, Bernard S, Sarradin P, Vergote J, Barc C, Chalon S, Kung M.-P, Kung H.F, Guilloteau D . IMPY, a potential beta-amyloid imaging probe for detection of prion deposits in scrapie-infected mice. Nucl Med. Biol. 2008, 35: 197-201 (INRA IASP + Inserm U619).

Yalcin, Aksu F. Bodard S., Chalon S. Belzung C Antidepressant-like effect of tramadol in the unpredictable chronic mild stress: possible involvement of noradrenergic system Behav. Pharmacol, 2007, 18:623-631 (Inserm U619 +EA3248)

Ehrmann Mercier E, Vecellio L, Ternant D, Paintaud G, Dequin PF. Pharmacokinetics of High Dose Nebulized Amikacin in Mechanically Ventilated Healthy Subjects. Intensive Care Med 2007, Nov 29 (EA 3853 + Inserm U618).

Termant Bénéton M, Alván G, Ohresser M, Touchard G, Hurault de Ligny B, Toupance O, Watier H, Lebranchu Y, Paintaud G. Interindividual variability in the concentration-effect relationship of antilymphocyte globulins-a possible influence of FcgammaRIIIa genetic polymorphism. Br J Clin Pharmacol 2008, 65 (1) : 60-68 (EA 3853 + JE 2448).

E. Godat V. Hervé-Grépinet, F. Veillard, F. Lecaille, M. Belghazi, D. Brömme & G. Lalmanach (2008) - Regulation of cathepsin K activity by hydrogen peroxi Biol. Chem. (sous presse) (Inserm U618 + UMR INRA CNRS 6175)

G. Bouchez, L. Sensebe, P. Vourc'h, L. Garreau, S. Bpdard, A. Rico, D. Guilloteau, P. Charbord, J-C. Besnard, S. Calon – Partial recovery of dopaminergic pathway after graft of adult mesenchymal stem cells in a rat model of Parkinson's disease. Neurochem. Int. (sous presse) (Inserm U630 + ESPRI EA 3855)

A . Surget, M. Saxe, S.Leman, Y. Ibarguen-Vargas , S. Chalán, G. Griebel, R. Hen, C. Belzung – 2008 – Hippocampal neurogenesis is not required for the antidepressant effects of adrenal-axis-acting drugs. Biological Psychiat. (sous presse) (EA 3248 + Inserm U630)

Korkmaz. N, Attucci, S, Aparecida Juliano, M, Kalupov, T, Jourdan, M.-L, Juliano, L & Gauthier, F. Measuring Elastase, Proteinase 3 and Cathepsin G activities at the surface of human neutrophils with fluorescence energy transfer (FRET) substrates. Nature protoc 2008 in press. (Inserm U618 + U921)

Libgot-Calle R, Ossant, F, Gruel, Y, Lermusiaux, P & Patat, F. High frequency ultrasound device to investigate the acoustic properties of whole blood during coagulation. Ultrasound Med Biol. 2008, 34 : 252-264 (Inserm U618 + U930)

de Groote, P, Gressin, V, Hachulla, E, Carpentier, P, Guillevin, L, Kahan, A, Cabane, J, Frances, C, Lamblin, N, Diot, E, Patat, F, Sibilia, J, Petit, H, Cracowski, J.L, Clerson, P & Humbert, M. Evaluation of

cardiac abnormalities by Doppler echocardiography in a large nationwide multicentric cohort of patients with systemic sclerosis. *Ann Rheum Dis.* 2008, 67 : 31-36. (Inserm U618 + U930)

## **Année 2007**

Clastre M., Goubard A., Prel A., Mincheva Z., Viaud-Massuard M.-C., Bout D., Rideau M., Velge-Roussel F., Laurent F. The methylerythritol phosphate pathway for isoprenoid biosynthesis in coccidia: Presence and sensitivity to fosmidomycin. *Experimental Parasitology* 2007, 116: 375-384. (EA 2106 – EA 3857)

Guillard J, Decrop M, Gallay N, Espanel C, Boissier E, Herault O, Viaud-Massuard MC. Synthesis and biological evaluation of 7-azaindole derivatives, synthetic cytokinin analogues. *Bioorg Med Chem Lett.* 2007, 17:1934-1937. (ESPRI-EA 3855 – EA 3857)

Di Scala E, Rose S, Herault O, Argibay J, Cosnay P, Bozon V. Conformational state of human cardiac 5-HT(4(g)) receptors influences the functional effects of polyclonal anti-5-HT(4) receptor antibodies. *Biochem Pharmacol.* 2007, 73: 964-971. (UMR CNRS 6542 + ESPRI-EA 3855)

Regina S, Herault O, D'Alteroche L, Binet C, Gruel Y. JAK2 V617F is specifically associated with idiopathic splanchnic vein thrombosis. *J Thromb Haemost* 2007, 5: 859-861. (ESPRI-EA 3855 + Inserm U618)

Majoral C, Vecellio L, Grimbert D, de Monte M, le Guellec C, Ingremeau V, Minois C, Cordeau E, Paintaud G, Steinberg A, Diot P. New ipratropium formulation to decrease nebulization time. *Resp Med* 2007, 101 (2) : 237-245 (EA 3853 + U618)

Ternant D, Buchler M, Beneton M, Alvan G, Ohresser M, Touchard G, Hurault de Ligny B, Toupance O, Watier H, Lebranchu Y, Paintaud G. Interindividual variability in the concentration-effect relationship of antilymphocyte globulins-a possible influence of FcgammaRIIIa genetic polymorphism. *Br J Clin Pharmacol.* 2007 Jul 4; [Epub ahead of print] (EA 3853 + JE 2448)

Lecaille F, Vandier C, Godat E, Herve-Grepinet V, Bromme D, Lalmanach G. Modulation of hypotensive effects of bradykinin by cathepsin K. *Arch Biochem Biophys.* 2007, 1762, 351-356 (EMI U 0211 + Inserm U 618)

Blasco H, Lalmanach G, Godat E, Maurel MC, Canepa S, Belghazi M, Paintaud G, Degenne D, Chatelut E, Cartron G, Le Guellec C. Evaluation of a peptide ELISA for the detection of rituximab in serum. *J Immunol Methods* 2007, 325:127-39 (EA 3853 + Inserm U618 + UMR INRA CNRS 6175)

Maillet A, Congy-Jolivet N, Leguellec S, Vecellio L, Hamard S, Watier H, Diot P, Thibault G, Courty Y, Lemarié E, Heuzé-Vourc'h N. Nebulization of anticancer antibodies: example of cetuximab. *J Aero Med.* 2007 ; 20 : 176 (Inserm U618 + EA 3853)

Maillet A, \*Congy-Jolivet N, Hureaux J, Vecellio L, Valo I, Lerondel S, Watier H, Diot P, Thibault G, Le Pape A, Anthonioz P, Lemarié E, Heuzé-Vourc'h N. Antitumour antibodies delivered through airways in lung cancer. Effect of nebulization and development of an animal model sensitive to cetuximab. *J Thor Onc.* 2007 ; 2(8) : 620 (Inserm U618 + EA 3853)

Tran TA., Roger S., Le Guennec J-Y., Tranquart F, Bouakaz A. Effect of Ultrasound-activated microbubbles on the cell electrophysiological properties. *Ultrasound Medical Biology*, 2007, 33(1), 158-163 (Inserm U619 + Inserm EMI U 0211)

Roger S, Rollin J, Barascu A, Besson P, Raynal P-I, Iochmann S, Lei M, Bougnoux P, Gruel Y, Le Guennec JY Voltage-gated sodium channels potentiate the invasive capacities of human non-small-cell lung cancer cell lines. *International Journal of Biochemistry and Cell Biology*, 2007, 39, 774-786 (Inserm U618 + Inserm EMI U0211)

Tapia, G., Clarys, D., El Hage, W., Belzung, C., Isingrini, M. PTSD Psychiatric Patients Exhibit a deficit in Remembering. *Memory* 2007, 15:145-153. (EA 2114 + EA 3248)

Vibet S, Mahéo K, Goré J, Dubois P, Bougnoux P, Chourpa I. Differential subcellular distribution of mitoxantrone in relation to chemosensitization in two human breast cancer cell lines. *Drug Metab Dispos*, 2007, 35(5):822-8 (Inserm EMI U 0211 + Equipe Emergente)

Rollin J., Régina S., Vourc'h P., Iochmann S., Reverdiau P., Gruel Y. Influence of MMP-2 and MMP-9 promoter polymorphisms on gene expression and clinical outcome of non small cell lung cancer. *Lung Cancer*, 2007, 56, :273-80 (Inserm U619 + Inserm U618)

Maillet A, Congy-Jolivet N, Le Guellec S, Vecellio L, Hamard S, Courty Y, Courtois A, Gauthier F, Diot P, Thibault G, Lemarié E and Heuzé-Vourc'h N. Aerodynamical, Immunological and Pharmacological Properties of the Anticancer Antibody Cetuximab Following Nebulization. *Pharm Res.* 2007(Inserm U618 + EA 3853)

Tran T.A., Le Guennec J-Y, Bougnoux P, Tranquart F, Bouakaz A. Characterization of cell membrane response to ultrasound activated microbubbles. *IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Central*. Sous presse 2007. (Inserm U619 + Inserm EMI U 0211)

## **Année 2006**

Colas S, Mahéo K, Denis F, Goupille C, Hoinard C, Champeroux P, Tranquart F, Bougnoux P. Sensitization by dietary docosahexaenoic acid (DHA) of rat mammary carcinoma to anthracycline: a role for tumor vascularization. *Clin Cancer Res*, 2006, 12: 5879-5886. (Inserm U619 + EMI U0211)

Rocheffort G.Y., Delorme B., Lopez A., Héroult O., Bonnet P., Charbord P., Eder V., Domenech J.. Multipotential mesenchymal stem cells are mobilized into peripheral blood by hypoxia. *Stem Cells*, 2006, 24, 2202-8. (ESPRI-EA 3855 - EA 3852)

Bonnet-Brilhault F, Broly F, Blanc R, Furet Y, Barthelemy C, Paintaud G. An ADHD 6-year-old child ultrarapid metabolizer for CYP2D6. *Journal of Clinical Psychopharmacology*, 2006, 26, 442-444. (Inserm U619 + EA 3853)

El-Hage W, Gaillard P, Isingrini M, Belzung C. Trauma-related deficits in working memory. *Cognitive Neuropsychiatry*, 2006, 11, 33-46. (EA 2114 + EA 3248)

Dommenge F, Cartron G, Espanel C, Gallay N, Domenech J, Benboubker L, Ohresser M, Colombat P, Binet C, Watier H, Héroult O; GOELAMS Study Group. CXCL12 polymorphism and malignant cell dissemination/tissue infiltration in acute myeloid leukemia. *FASEB J.* 2006, Sep;20 (11):1913-5. (EA 3853 + ESPRI-EA 3855)

C. Perdereau, Godat E, Maurel M.C, Hazouard E, Diot P, G. Lalmanach. Cysteine cathepsins in human silicotic bronchoalveolar lavage fluids. *Bioch. Biophys. Acta* 2006, 1762: 351-356. (Inserm U 618 + UMR INRA CNRS 6175)

Lacour S. de Monte M, Flambard C., Diot P, Brocca J, Vahyaoui A, Veron N, Colin P, Leblond V. Relationship between ozone and temperature during the 2003 heat waves in France : consequence for health data analysis. *BMC Public Health*, 2006, 20, 6:261 (Inserm U618 + IFR 135)

Planque C, Aïnciburu M, Heuzé-Vourc'h N, Régina S, de Monte M, Courty Y. Expression of the human kallikrein genes 10 (KLK10) and 11 (KLK11) in cancerous and non-cancerous lung tissues. *Biol. Chem.*, 2006, 387(6):783-788 (Inserm U618 + IFR 135)

Magnant J, Vecellio L, de Monte M, Grimbert D, Valat C, Boissinot E, Guilloteau D, Lemarie E, Diot P.

Comparative analysis of different scintigraphic approaches to assess pulmonary ventilation. *J. Aerosol Medicine*, 2006, 19(2):148-159. (Inserm U618 + Inserm U 619 + IFR 135)

Corcia P., Camu M., Halimi J.M., Vourc'h P., Antar C., Vedrine S., Giraudeau B., de Toffol B., Andres C. SMN1 gene, but not SMN2, is a risk factor for sporadic ALS. *Neurology*, 2006, 67, 1147-1150. (Inserm U619 +CIC)

Maillet A, Congy-Jolivet N, Hureauux J, Vecellio L, Watier H, Diot P, Courty Y, Thibault G, Gagnadoux F, Urban T, Lemarié E and Heuzé-Vourc'h N. Binding to EGFR, pharmacology in cells and toxicity in mice of cetuximab following nebulization. *Rev Mal Respir* 2006 ; 23(1) : 528 (INSERM U618 + EA 3852)

Chabot, V., P. Reverdiau, S. Iochmann, A. Rico, D. Senecal, C. Goupille, P. Y. Sizaret,, L. Sensebe. CCL5-enhanced human immature dendritic cell migration through the basement membrane in vitro depends on matrix metalloproteinase-9. *J Leukoc Biol* 2006, 79(4):767-78. (ESPRI EA 3855 + Inserm U618)

Maillet A., Congy-Jolivet N, Hureauux J, Vecellio L, Watier H, Diot P, Courty Y, Thibault G, Gagnadoux F, Urban T, Lemarié E and Heuzé-Vourc'h N. Therapeutic effect of cetuximab delivered through airways in an animal model of lung cancer. Impact of FcRn receptor on the therapeutic response to cetuximab. *Rev Mal Respir* 2006 ; 23 : 509-91 (Inserm U618 + EA 3853)

Laumonier F, Roger S, Guerin P, Molinari F, M'Rad R, Cahard D, Belhadj A, Halayem M, Persico AM, Elia M, Romano V, Holbert S, Andres C, Chaabouni H, Colleaux L, Constant J, Le Guennec JY, Briault S. Association of a Functional Deficit of the BKCa Channel, a Synaptic Regulator of Neuronal excitability with autism and mental retardation. *Am.J.Psychiatry* 2006, 163:1622-1629 (Inserm U619 – EMI U0211)

El-Hage W, Lamy, Goupille P, Gaillard P, Camus V. Les fibromyalgies (revue). *Presse Med* 2006, 35 (11 Pt 2) : 1683-1689 (EA 3853 + Inserm U619).

## **Année 2005**

Korkmaz, B., Attucci S., Jourdan M. L., Juliano L, Gauthier F. Inhibition of neutrophil elastase by alpha1-protease inhibitor at the surface of human polymorphonuclear neutrophils. *J Immunol* 2005, 175(5):3329-38. (Inserm U618 + EMI U0211)

Belzung C., Leman S., Vourc'h P., Andres C. Rodent models for autism: A critical review. *Drug Discovery Today: Disease Models* 2005 2, 93-101. (EA 3248 + Inserm U619)

Rochefort GY, Vaudin P, Bonnet N, Pages JC, Domenech J, Charbord P, Eder V. Influence of hypoxia on the domiciliation of mesenchymal stem cells after infusion into rats: possibilities of targeting pulmonary artery remodeling via cells therapies? *Respir Res* 2005, 6: 125 (ESPRI-EA 3855 + EA 3852)

Galineau L, Belzung C, Kodas E, Bodard S, Guilloteau D, Chalon S. Prenatal 3,4-methylenedioxymethamphetamine (ecstasy) exposure induces long-term alterations in the dopaminergic and serotonergic functions in the rat. *Dev. Brain Res.* 2005, 154, 165-176. (Inserm U619 + EA 3248)

Brossay A., Harang S., Herault O., Bardos P., Watier H. Costimulation in cis but not in trans in the indirect presentation pathway. *Transplant Int*, 2005, 17: 787-94. (EA 3853 + ESPRI -EA 3855)

Mincheva Z., Courtois M., Andreu F., Rideau M., Viaud-Massuard M.C. Fosmidomycin analogues as inhibitors of monoterpenoid indole alkaloid production in *Catharanthus roseus* cells. *Phytochemistry* 2005, 66: 1797-1803. (EA2106 + EA 3857)

Bourgoin H, Paintaud G, Büchler M, Lebranchu Y, Autret-Leca E, Mentré F, Le Guellec C Bayesian estimation of cyclosporin exposure for routine therapeutic drug monitoring in kidney transplant patients. *Br*

J Clin Pharmacol 2005, 59:18-27. (EA 3853 + JE 2448)

Büchler M, Lebranchu Y, Bénétou M, Lemeur Y, Heng AE, Westeel PF, Le Guellec C, Libert F, Hary L, Marquet P, Paintaud G. Higher exposure to mycophenolic acid with sirolimus than with cyclosporine cotreatment. Clin Pharmacol Ther 2005, 78 (1) 34-42. (EA 3853 + JE 2448)

Gomez MA, Mulleman D, Besson M, Alison D. What is your diagnosis? J Radiol 2005, 86 (11) : 1723-1725.(EA 3853 + LUSSE)

Roguedas AM, Watier H, Paintaud G, de Muret A, Vaillant L, Machet L. Intralesional therapy with anti-CD20 monoclonal antibody rituximab: local and systemic efficacy in CBCL (cas clinique) Br J Dermatol 2005, 152 (3) : 541-544. (EA 3853 + LUSSE)

Guyot, N., Zani, M. L., Maurel, M. C., Dallet-Choisy, S. Moreau, T. Elafin and its precursor trappin-2 still inhibit neutrophil serine proteinases when they are covalently bound to extracellular matrix proteins by tissue transglutaminase. Biochemistry 2005, 44: 15610-8. (Inserm U618 + UMR INRA CNRS 6175)

Magnant J, de Monte M, Guilmot JL, Lasfargues G, Diot P, Asquier E, Degenne D, Boissinot E, Diot E. Relationship between occupational risk factors and severity markers of systemic sclerosis. J Rheumatol. 2005 Sep; 32(9): 1713-1718. (Inserm U618 + EA 3853 + IFR 135)

Vecellio L, Guerin C, Grimbert D, De Monte M, Diot P. In vitro study and semiempirical model for aerosol delivery control during mechanical ventilation. Intensive Care Med. 2005 Jun; 31(6):871-6. (Inserm U 618 + IFR 135)

Dubus JC, Vecellio L, De Monte M, Fink JB, Grimbert D, Montharu J, Valat C, Behan N, Diot P. Aerosol deposition in neonatal ventilation. Pediatr Res. 2005 Jul; 58(1):10-4.(Inserm U618 + IFR 135)

Planque C, de Monte M, Guyetant S, Rollin J, Desmazes C, Panel V, Lemarie E, Courty Y. KLK5 and KLK7, two members of the human tissue kallikrein family, are differentially expressed in lung cancer. Biochem Biophys Res Commun. 2005 Apr 22; 329(4):1260-6. (Inserm U618 + IFR 135)

Korkmaz B, Poutrain P, Hazouard E, de Monte M, Attucci S, Gauthier F. Competition between elastase and related proteases from human neutrophil for binding to alpha1-protease inhibitor. Am J Respir Cell Mol Biol. 2005 Jun; 32(6):553-9. (Inserm U618 + IFR 135)

Chevalier X, Giraudeau B, Conrozier T, Marliere J, Kiefer P, Goupille P. Safety study of intraarticular injection of interleukin 1 receptor antagonist in patients with painful knee osteoarthritis: a multicenter study. J Rheumatol 2005, 32 (7) : 1317-1323 (EA 3853 + CIC)

E. Godat E., S. Chowdhury F. Lecaille, M. Belghazi, E.O. Purisima & G. Lalmanach (2005) - Inhibition of a cathepsin L-like cysteine protease by a chimeric propeptide-derived inhibitor Biochemistry 44, 10486-10493 (Inserm U618 + UMR INRA CNRS 6175)

## **Année 2004**

E. Godat, F. Lecaille, C. Desmazes, S. Duchêne, E. Weidauer, P. Saftig, D. Brömme, C. Vandier & G. Lalmanach (2004) Cathepsin K: a cysteine protease with unique kinin-degrading properties - Biochem. J. 383, 501-506 (Inserm U 618 + EA 3852)

Mailliet F, Audinot V, Malpoux B, Bonnaud A, Delagrangé P, Migaud, M., Barrett P, Viaud-Massuard M.C, Lesieur D, Lefoulon F, Renard P, Boutin J.A. molecular pharmacology of the ovine melatonin receptor: comparison with recombinant human MT1 and MT2 receptors. Biochemical Pharmacology 2004, 67(4), 667. (UMR 6175 + EA 3857)

Courtois M., Mincheva Z., Andreu F., Rideau M., Viaud-Massuard M.C. Synthesis and biological

evaluation with plant cells of new fosmidomycin analogues containing a benzo(pyrido)alone ring. *J. Enzym Inhib Med. Chem.* 2004, 19 (6), 559-565. (EA2106 + EA 3857)

Di Scala E., Rose S., Heralut O., Argibay J., Cosnay P., Bozon V. Polyclonal antibody effects on cardiac 5-HT receptors depend upon the expression system. *Receptors Channels* 2004, 10, 125-9. (UMR CNRS 6542 + ESPRI EA 3855)

Le Guellec C, Bourgoin H, Büchler M, Le Meur Y, Lebranchu Y, Marquet P, Paintaud G. Population pharmacokinetics and bayesian estimation of mycophenolic Acid concentrations in stable renal transplant patients. *Clin Pharmacokinet* 2004, 43 : 253-266. (EA 3853 + JE 2448)

Dall'Ozzo S, Tartas S, Paintaud G, Cartron G, Colombat P, Bardos P, Watier H, Thibault G. Rituximab-dependent cytotoxicity by Natural Killer cells: influence of FCGR3A polymorphism on the concentration-effect relationship. *Cancer Res* 2004, 64: 4664-4669. (EA 3853 + EA 3855)

Vecellio None L, Grimbert D, Bordenave J, Benoit G, Furet Y, Fauroux B, Boissinot E, de Monte M, Lemarie E, Diot P. Residual gravimetric method to measure nebulizer output. *J Aerosol Med.* 2004;17(1):63-71.(Inserm U618 + IFR 135)

Grimbert D, Lubin O, de Monte M, Vecellio None L, Perrier M, Carre P, Lemarie E, Boissinot E, Diot P. Dyspnea and morphine aerosols in the palliative care of lung cancer *Rev Mal Respir.* 2004; 21(6 Pt 1):1091-7.( Inserm U618 + IFR 135)

Büchler M, Leibenguth P, Le Guellec C, Carayon A, Watier H, Odoul F, Autret-Leca E, Lebranchu Y, Paintaud G. Relationship between calcineurin inhibition and plasma endothelin concentrations in cyclosporine A-treated kidney transplant patients. *Eur J Clin Pharmacol* 2004, 60 : 703-708. (EA 3853 + JE 2448)

Rousseau A, Léger F, Le Meur Y, Saint-Marcoux F, Paintaud G, Büchler M, Marquet P. Population pharmacokinetic modeling of oral cyclosporin using NONMEM: comparison of absorption pharmacokinetic models and design of a Bayesian estimator. *Ther Drug Monit* 2004, 26 : 23-30 (EA 3853 + JE 2448)

Gruel Y, Pouplard C, Lasne D, Magdelaine-Beuzelin C, Charroing C, Watier H, The Homozygous FcγRIIIa-158V genotype is a risk factor for heparin-induced thrombocytopenia in patients with antibodies to heparin-platelet factor 4 complexes. *Blood.* 2004 Nov 1; 104(9):2791-3 (U618 + IPGA 3853)

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