

## Publications 2010-2016

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Urinary Angiogenin Reflects the Magnitude of Kidney Injury at the Infrahistologic Level. Tavernier Q, Mami I, Rabant M, Karras A, Laurent-Puig P, Chevet E, Thervet E, Anglicheau D, **Pallet N.** J Am Soc Nephrol. 2016 Jul 19. pii: ASN.2016020218. [Epub ahead of print]

Low Serum Creatine Kinase Level Predicts Mortality in Patients with a Chronic Kidney Disease. Flahault A, Metzger M, Chassé JF, Haymann JP, Boffa JJ, Flamant M, Vrtovsni F, Houillier P, Stengel B, Thervet E, Pallet N; NephroTest study group. PLoS One. 2016 Jun 1;11(6):e0156433. doi: 10.1371/journal.pone.0156433. eCollection 2016.

The effect of immunosuppressive molecules on T-cell metabolic reprogramming. Fernández-Ramos AA, Poindessous V, Marchetti-Laurent C, Pallet N, Lorient MA. Biochimie. 2016 Aug;127:23-36. doi: 10.1016/j.biochi.2016.04.016. Epub 2016 Apr 25. Review.

Long-term clinical impact of adaptation of initial tacrolimus dosing to CYP3A5 genotype. Pallet N, Etienne I, Buchler M, Hurault de Ligny B, Choukroun G, Colosio C, Thierry A, Vigneau C, Moulin B, Le Meur Y, Heng AE, Legendre C, Beaune P, Lorient MA, Thervet E. Am J Transplant. 2016 Mar 17. doi: 10.1111/ajt.13788. [Epub ahead of print]

A Lack of Significant Effect of POR\*28 Allelic Variant on Tacrolimus Exposure in Kidney Transplant Recipients. Jannot AS, Vuillemin X, Etienne I, Buchler M, Hurault de Ligny B, Choukroun G, Colosio C, Thierry A, Vigneau C, Moulin B, Rerolle JP, Heng AE, Subra JF, Legendre C, Beaune P, Lorient MA, Thervet E, **Pallet N.** Ther Drug Monit. 2016 Apr;38(2):223-9.

A Novel Extrinsic Pathway for the Unfolded Protein Response in the Kidney. Mami I, Tavernier Q, Bouvier N, Aboukamis R, Desbuissons G, Rabant M, Poindessous V, Laurent-Puig P, Beaune P, Tharaux PL, Thervet E, Chevet E, Anglicheau D, **Pallet N.** J Am Soc Nephrol. 2016 Jan 28. pii: ASN.2015060703. [Epub ahead of print]

Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Klionsky DJ, Abdelmohsen K, Abe A, et al. Autophagy. 2016;12(1):1-222. No abstract available. Erratum in: Autophagy. 2016;12(2):443. Selliez, Iban [corrected to Seilliez, Iban].

The 20S proteasome core, active within apoptotic exosome-like vesicles, induces autoantibody production and accelerates rejection. Dieudé M, Bell C, Turgeon J, Beilleval D, Pomerleau L, Yang B, Hamelin K, Qi S, Pallet N, Béland C, Dhahri W, Cailhier JF, Rousseau M, Duchez AC, Lévesque T, Lau A, Rondeau C, Gingras D, Muruve D, Rivard A, Cardinal H, Perreault C, Desjardins M, Boilard É, Thibault P, Hébert MJ. Sci Transl Med. 2015 Dec 16;7(318):318ra200.

Transfer RNA fragmentation and protein translation dynamics in the course of kidney injury. Mami I, **Pallet N.** RNA Biol. 2015 Oct 29:0. [Epub ahead of print]

Angiogenin Mediates Cell-Autonomous Translational Control under Endoplasmic Reticulum Stress and Attenuates Kidney Injury. Mami I, Bouvier N, El Karoui K, Gallazzini M, Rabant M, Laurent-Puig P, Li S, Tharaux PL, Beaune P, Thervet E, Chevet E, Hu GF, **Pallet N.** J Am Soc Nephrol. 2016 Mar;27(3):863-76.

High prevalence of and potential mechanisms for chronic kidney disease in patients with acute intermittent porphyria. Pallet N, Mami I, Schmitt C, Karim Z, François A, Rabant M, Nochy D, Gouya L, Deybach JC, Xu-Dubois Y, Thervet E, Puy H, Karras A. Kidney Int. 2015 Aug;88(2):386-95.

Kidney transplant recipients carrying the CYP3A4\*22 allelic variant have reduced tacrolimus clearance and often reach supratherapeutic tacrolimus concentrations. Pallet N, Jannot AS, El Bahri M, Etienne I, Buchler M, de Ligny BH, Choukroun G, Colosio C, Thierry A, Vigneau C, Moulin B, Le Meur Y, Heng AE, Subra JF, Legendre C, Beaune P, Alberti C, Lorient MA, Thervet E. *Am J Transplant*. 2015 Mar;15(3):800-5.

Mechanisms and biological functions of autophagy in diseased and ageing kidneys. Fougeray S, **Pallet N**. *Nat Rev Nephrol*. 2015 Jan;11(1):34-45. Review.

Regulation of YAP by mTOR and autophagy reveals a therapeutic target of tuberous sclerosis complex. Liang N, Zhang C, Dill P, Panasyuk G, Pion D, Koka V, Gallazzini M, Olson EN, Lam H, Henske EP, Dong Z, Apte U, Pallet N, Johnson RL, Terzi F, Kwiatkowski DJ, Scoazec JY, Martignoni G, Pende M. *J Exp Med*. 2014 Oct 20;211(11):2249-63.

Angiogenic response following renal ischemia reperfusion injury: new players. Pallet N, Thervet E, Timsit MO. *Prog Urol*. 2014, 24 Suppl 1:S20-5.

The urinary metabolome of chronic kidney disease. Pallet N, Thervet E, Beaune P, Karras A, Bertho G. *Kidney Int*. 2014, 85(5):1239-40.

Response letter to "autophagy in renal ischemia-reperfusion injury: friend or foe?". Pallet N. *Am J Transplant*. 2014, 14(6):1466-7.

When Erythropoietin Meddles in Immune Affairs. Martinez F, Pallet N. *J Am Soc Nephrol*. 2014 (in press)

Emerging roles of autophagy in the stressed kidney allograft. Pallet N. *Semin Nephrol*. 2014, 34(1):34-41.

Urinary metabolic fingerprint of acute intermittent porphyria analyzed by (1)H NMR spectroscopy. Carichon M, Pallet N, Schmitt C, Lefebvre T, Gouya L, Talbi N, Deybach JC, Beaune P, Vasos P, Puy H, Bertho G. *Anal Chem*. 2014, 86(4):2166-74.

Urinary retinol binding protein is a marker of the extent of interstitial kidney fibrosis. Pallet N, Chauvet S, Chassé JF, Vincent M, Avillach P, Levi C, Meas-Yedid V, Olivo-Marin JC, Nga-Matsogo D, Beaune P, Thervet E, Karras A. *PLoS One*. 2014, 9(1):e84708.

Emerging functions of autophagy in kidney transplantation. Pallet N, Livingston M, Dong Z. *Am J Transplant*. 2014, 14(1):13-20.

Clinical and microbial impact of screening kidney allograft preservative solution for bacterial contamination with high-sensitivity methods. Bertrand D, Pallet N, Sartorius A, Zahar JR, Soussan RS, Lortholary O, Legendre C, Mamzer MF. *Transpl Int*. 2013, 26(8):795-9.

Acute renal failure and volume overload syndrome secondary to a femorofemoral arteriovenous fistula angioplasty in a kidney transplant recipient. Bertrand D, Desbuissons G, Pallet N, Sartorius A, Legendre C, Mamzer MF, Sberro Soussan R. *Case Rep Transplant*. 2013:197524.

A comprehensive characterization of membrane vesicles released by autophagic human endothelial cells. Pallet N, Sirois I, Bell C, Hanafi LA, Hamelin K, Dieudé M, Rondeau C, Thibault P, Desjardins M, Hebert MJ. *Proteomics*. 2013, 13(7):1108-20.

Adverse events associated with mTOR inhibitors. Pallet N, Legendre C. *Expert Opin Drug Saf*. 2013, 12(2):177-86.

Sirolimus therapy may cause cardiac tamponade. Bertrand D, Desbuissons G, Pallet N, Debure A, Sartorius A, Anglicheau D, Mamzer MF, Legendre C, Sberro-Soussan R. *Transpl Int*. 2013, 26(2):e4-7.

The nephroprotective properties of recombinant human erythropoietin in kidney transplantation: experimental facts and clinical

proofs. Pallet N, Rabant M, Legendre C, Martinez F, Choukroun G. *Am J Transplant*. 2012, 12(12):3184-90.

Tryptophan depletion and the kinase GCN2 mediate IFN--induced autophagy. Fougeray S, Mami I, Bertho G, Beaune P, Thervet E, Pallet N. *J Immunol*. 2012, 189(6):2954-64.

Caspase activation regulates the extracellular export of autophagic vacuoles. Sirois I, Groleau J, Pallet N, Brassard N, Hamelin K, Londono I, Pshezhetsky AV, Bendayan M, Hébert MJ. *Autophagy*. 2012, 8(6):927-37.

Emerging role of autophagy in kidney function, diseases and aging. Huber TB, Edelstein CL, Hartleben B, Inoki K, Jiang M, Koya D, Kume S, Lieberthal W, Pallet N, Quiroga A, Ravichandran K, Susztak K, Yoshida S, Dong Z. *Autophagy*. 2012, 8(7):1009-31.

The molecular legacy of apoptosis in transplantation. Pallet N, Dieudé M, Cailhier J, Hébert M. *Am J Transplant*. 2012, 12(6):1378-84.

The unfolded protein response regulates an angiogenic response by the kidney epithelium during ischemic stress. Bouvier N, Fougeray S, Beaune P, Thervet E, Pallet N. *J Biol Chem*. 2012, 287(18):14557-68.

Very long-term follow-up of living kidney donors. Fournier C, Pallet N, Cherqaoui Z, Pucheu S, Kreis H, Méjean A, Timsit MO, Landais P, Legendre C. *Transpl Int*. 2012, 25(4):385-90.

Clinical and immunological features of very long-term survivors with a single renal transplant. Bererhi L, Pallet N, Zuber J, Anglicheau D, Kreis H, Legendre C, Candon S. *Transpl Int*. 2012, 25(5):545-54.

The presence of autophagy in mammal cells should be interpreted carefully. Pallet N. *Am J Transplant*. 2012;12(4):1066.

Correction of postkidney transplant anemia reduces progression of allograft nephropathy. Choukroun G, Kamar N, Dussol B, Etienne I, Cassuto-Viguié E, Toupance O, Glowacki F, Moulin B, Lebranchu Y, Touchard G, Jaureguy M, Pallet N, Le Meur Y, Rostaing L, Martinez F; CAPRIT study Investigators. *J Am Soc Nephrol*. 2012, 23(2):360-8.

c-Jun-N-Terminal Kinase Signaling Is Involved in Cyclosporine-Induced Epithelial Phenotypic Changes. Pallet N, Thervet E, Anglicheau D. *J Transplant*. 2012:348604.

New insights on stress-induced epithelial phenotypic changes. Pallet N. *Nephrol Dial Transplant*. 2012, 27(2):483-5.

Endoplasmic reticulum stress in UMOD-related kidney disease: a human pathologic study. Adam J, Bollée G, Fougeray S, Noël LH, Antignac C, Knebelman B, Pallet N. *Am J Kidney Dis*. 2012, 59(1):117-21.

The genetics of kidney transplantation. Pallet N, Thervet E. *Hum Genet*. 2012, 131(3):317-23.

Metabolic stress promotes renal tubular inflammation by triggering the unfolded protein response. Fougeray S, Bouvier N, Beaune P, Legendre C, Anglicheau D, Thervet E, Pallet N. *Cell Death Dis*. 2011 Apr 14;2:e143.

Independent and joint effects of the MAPT and SNCA genes in Parkinson disease. Elbaz A, Ross OA, Ioannidis JP, Soto-Ortolaza AI, Moisan F, Aasly J, Annesi G, Bozi M, Brighina L, Chartier-Harlin MC, Destée A, Ferrarese C, Ferraris A, Gibson JM, Gispert S, Hadjigeorgiou GM, Jasinska-Myga B, Klein C, Krüger R, Lambert JC, Lohmann K, van de Loo S, Lioriot MA, Lynch T, Mellick GD, Mutez E, Nilsson C, Opala G, Puschmann A, Quattrone A, Sharma M, Silburn PA, Stefanis L, Uitti RJ, Valente EM, Vilarinho-Güell C, Wirdefeldt K, Wszolek ZK, Xiromerisiou G, Maraganore DM, Farrer MJ; Genetic Epidemiology of Parkinson's Disease (GEO-PD) Consortium. *Ann Neurol*. 2011 May;69(5):778-92.

Colonization-induced host-gut microbial metabolic interaction. Claus SP, Ellero SL, Berger B, Krause L, Bruttin A, Molina J, Paris A, Want EJ, de Waziers I, Cloarec O, Richards SE, Wang Y, Dumas ME, Ross A, Rezzi S, Kochhar S, Van Bladeren P, Lindon JC, Holmes E, Nicholson JK. *MBio*. 2011 Mar 1;2(2):e00271-10.

High on-clopidogrel platelet reactivity: genotyping can help to optimize antiplatelet treatment. Szymezak J, Moreau C, Lorient MA, Durand E, Van Viet H, Desnos M, Gaussem P. *Thromb Res*. 2011 Jul;128(1):92-5.

[The DNA, the thread of destiny]. Lorient MA. *Rev Med Interne*. 2011 Jun;32(6):337-40.

Predicting the warfarin maintenance dose in elderly inpatients at treatment initiation: accuracy of dosing algorithms incorporating or not VKORC1/CYP2C9 genotypes. Moreau C, Pautas E, Gouin-Thibault I, Golmard JL, Mahé I, Mulot C, Lorient MA, Siguret V. *J Thromb Haemost*. 2011 Apr;9(4):711-8. doi: 10.1111/j.1538-7836.2011.04213.x.

Genome-wide association study confirms BST1 and suggests a locus on 12q24 as the risk loci for Parkinson's disease in the European population. Saad M, Lesage S, Saint-Pierre A, Corvol JC, Zelenika D, Lambert JC, Vidailhet M, Mellick GD, Lohmann E, Durif F, Pollak P, Damier P, Tison F, Silburn PA, Tzourio C, Forlani S, Lorient MA, Giroud M, Helmer C, Portet F, Amouyel P, Lathrop M, Elbaz A, Durr A, Martinez M, Brice A; French Parkinson's Disease Genetics Study Group. *Hum Mol Genet*. 2011 Feb 1;20(3):615-27.

Effect of cytochrome P450 2C19 genotype on voriconazole exposure in cystic fibrosis lung transplant patients. Berge M, Guillemain R, Trégouët DA, Amrein C, Boussaud V, Chevalier P, Lillo-Lelouët A, Le Beller C, Laurent-Puig P, Beaune PH, Billaud EM, Lorient MA. *Eur J Clin Pharmacol*. 2011 Mar;67(3):253-60.

ABC transporters and cytochromes P450 in the human central nervous system: influence on brain pharmacokinetics and contribution to neurodegenerative disorders. Dutheil F, Jacob A, Dauchy S, Beaune P, Scherrmann JM, Declèves X, Lorient MA. *Expert Opin Drug Metab Toxicol*. 2010 Oct;6(10):1161-74.

Biochemical and analytical development of the CIME cocktail for drug fate assessment in humans. Videau O, Delaforge M, Levi M, Thévenot E, Gal O, Becquemont L, Beaune P, Bénech H. *Rapid Commun Mass Spectrom*. 2010 Aug 30;24(16):2407-19.

[Could idiosyncratic thinking fit with << omics >>?]. Narjoz C, Beaune P, de Waziers I. *Med Sci (Paris)*. 2010 Jun-Jul;26(6-7):641-6.

Interaction between ABCB1 and professional exposure to organochlorine insecticides in Parkinson disease. Dutheil F, Beaune P, Tzourio C, Lorient MA, Elbaz A. *Arch Neurol*. 2010 Jun;67(6):739-45.

Tissue accumulation of lanthanum as compared to aluminum in rats with chronic renal failure--possible harmful effects after long-term exposure. Nikolov IG, Joki N, Vicca S, Patey N, Auchère D, Benoit J, Flinois JP, Ziolkowski M, Beaune P, Drüeke TB, Lacour B. *Nephron Exp Nephrol*. 2010;115(4):e112-21.

[Involvement of endoplasmic reticulum stress in solid organ transplantation]. Pallet N, Bouvier N, Beaune P, Legendre C, Anglicheau D, Thervet E. *Med Sci (Paris)*. 2010 Apr;26(4):397-403. Review. French.

Optimization of initial tacrolimus dose using pharmacogenetic testing. Thervet E, Lorient MA, Barbier S, Buchler M, Ficheux M, Choukroun G, Toupance O, Touchard G, Alberti C, Le Pogamp P, Moulin B, Le Meur Y, Heng AE, Subra JF, Beaune P, Legendre C. *Clin Pharmacol Ther*. 2010 Jun;87(6):721-6.

Pharmacogenetic assessment of toxicity and outcome in patients with metastatic colorectal cancer treated with LV5FU2, FOLFOX, and FOLFIRI: FFCD 2000-05. Boige V, Mendiboure J, Pignon JP, Lorient MA, Castaing M, Barrois M, Malka D, Trégouët DA, Bouché O, Le Corre D, Miran I, Mulot C, Ducreux M, Beaune P, Laurent-Puig P. *J Clin Oncol*. 2010 May 20;28(15):2556-64.

[The pharmacogenetics of vitamin K antagonists: still a matter for discussion]. Moreau C, Siguret V, Lorient MA. *Rev Med Interne*. 2010 May;31(5):361-8. Epub 2010 Apr 1. French.

A large-scale genetic association study to evaluate the contribution of Omi/HtrA2 (PARK13) to Parkinson's disease. Krüger R, Sharma M, Riess O, Gasser T, Van Broeckhoven C, Theuns J, Aasly J, Annesi G, Bentivoglio AR, Brice A, Djarmati A, Elbaz

A, Farrer M, Ferrarese C, Gibson JM, Hadjigeorgiou GM, Hattori N, Ioannidis JP, Jasinska-Myga B, Klein C, Lambert JC, Lesage S, Lin JJ, Lynch T, Mellick GD, de Nigris F, Opala G, Prigione A, Quattrone A, Ross OA, Satake W, Silburn PA, Tan EK, Toda T, Tomiyama H, Wirdefeldt K, Wszolek Z, Xiromerisiou G, Maraganore DM; Genetic Epidemiology of Parkinson's disease consortium. *Neurobiol Aging*. 2011 Mar;32(3):548.e9-18.

Xenobiotic-metabolizing cytochromes p450 in human white adipose tissue: expression and induction. Ellero S, Chakhtoura G, Barreau C, Langouët S, Benelli C, Penicaud L, Beaune P, de Waziers I. *Drug Metab Dispos*. 2010 Apr;38(4):679-86.

Impact of android overweight or obesity and insulin resistance on basal and postprandial SR-BI and ABCA1-mediated serum cholesterol efflux capacities. Attia N, Fournier N, Védie B, Cambillau M, Beaune P, Ziegler O, Grynberg A, Paul JL, Guerci B. *Atherosclerosis*. 2010 Apr;209(2):422-9.

Genetic factors (VKORC1, CYP2C9, EPHX1, and CYP4F2) are predictor variables for warfarin response in very elderly, frail inpatients. Pautas E, Moreau C, Gouin-Thibault I, Golmard JL, Mahé I, Legendre C, Taillandier-Hériché E, Durand-Gasselin B, Houllier AM, Verrier P, Beaune P, Lorient MA, Siguret V. *Clin Pharmacol Ther*. 2010 Jan;87(1):57-64.

Antiapoptotic properties of recombinant human erythropoietin protects against tubular cyclosporine toxicity. Pallet N, Bouvier N, Legendre C, Beaune P, Thervet E, Choukroun G, Martinez F. *Pharmacol Res*. 2010 Jan;61(1):71-5.

Endoplasmic reticulum stress: an unrecognized actor in solid organ transplantation. Pallet N, Fougeray S, Beaune P, Legendre C, Thervet E, Anglicheau D. *Transplantation*. 2009 Sep 15;88(5):605-13. Review.

[Chloroquine cardiotoxicity in long-term lupus therapy in two patients]. Saussine A, Lorient MA, Picard C, Lecerf V, Landry J, Scheer I, Voicu S, Leenhardt A, Ducrocq G, Maubec E, Crickx B. *Ann Dermatol Venereol*. 2009 Jun-Jul;136(6-7):530-5. Epub 2009 Jun 2. French.

Non-replication of association for six polymorphisms from meta-analysis of genome-wide association studies of Parkinson's disease: large-scale collaborative study. Evangelou E, Maraganore DM, Annesi G, Brighina L, Brice A, Elbaz A, Ferrarese C, Hadjigeorgiou GM, Krueger R, Lambert JC, Lesage S, Markopoulou K, Mellick GD, Meeus B, Pedersen NL, Quattrone A, Van Broeckhoven C, Sharma M, Silburn PA, Tan EK, Wirdefeldt K, Ioannidis JP; Genetic Epidemiology of Parkinson's Disease (GEOPD) Consortium. *Am J Med Genet B Neuropsychiatr Genet*. 2010 Jan 5;153B(1):220-8.