

AXE 3 - Publications 2017

1. **Agouni A, Mostefai HA, Lagrue A-H, Sladkova M, Rouet P, Desmoulin F, Pechanova O, Martinez MC, Andriantsitohaina R.** Paradoxical effect of non-alcoholic red-wine polyphenols extract, Provinols™, in the regulation of cyclooxygenases in vessels from Zucker Fatty rats (fa/fa). *Oxid Med Cell Longev* 2017;2017:8536910.
2. **Amosse J, Martinez MC, Le Lay S.** Extracellular vesicles and cardiovascular disease therapy. *Stem Cell Investig* 2017;4:102
3. **André, A., Leriche, I., Chaix, G., Thorin, C., Burger, M., Nguyen, P.** Recovery of insulin sensitivity and optimal body composition after rapid weight loss in obese dogs fed a high-protein medium-carbohydrate diet (2017) *Journal of Animal Physiology and Animal Nutrition*, 101, pp. 21-30. DOI: 10.1111/jpn.12744
4. **Blanchard V, Ramin-Mangata S, Billon-Crossouard S, Aguesse A, Durand M, Chemello K, Nativel B, Flet L, Chetiveaux M, Jacobi D, Bard JM, Ouguerram K, Lambert G, Krempf M, Croyal M.** Kinetics of plasma Apolipoprotein E isoforms by LC-MS/MS: a pilot study. *J Lipid Res.* 2018 Mar 14. pii: jlr.P083576. doi: 10.1194/jlr.P083576. [Epub ahead of print] PubMed PMID: 29540575.
5. **Blasco H, Veyrat-Durebex C, Bocca C, Patin F, Vourc'h P, Kouassi Nzoughet J, Lenaers G, Andres CR, Simard G, Corcia P, Reynier P.** Lipidomics reveals cerebrospinal-fluid signatures of ALS. *Sci Rep.* 2017;7:17652.
6. **Bobin-Dubigeon C, Lefrançois A, Vansteene D, Dupé M, Joalland MP, Bard JM.** Leptin and adiponectin as new markers of undernutrition in cancer. *Clin Biochem.* 2017 Jun;50(9):525-528. doi: 10.1016/j.clinbiochem.2017.01.001. Epub 2017 Jan 6. PubMed PMID: 28069486.
7. **Bordoni, A., Dansesi, F., Dardevet, D., Dupont, D., Fernandez, A. S., Gille, D., Nunes dos Santos, C., Pinto, P., Re, R., Remond, D., SHAHAR, D., Vergères, G. (2017).** Dairy products and inflammation: A review of the clinical evidence. *Critical Reviews in Food Science and Nutrition*, 57 (12), 2497-2525. , DOI : 10.1080/10408398.2014.967385
8. **Cesbron N, Royer AL, Guitton Y, Sydor A, Le Bizec B, Dervilly-Pinel G.** Optimization of fecal sample preparation for untargeted LC-HRMS based metabolomics. *Metabolomics* 2017, 13:99 (DOI: 10.1007/s11306-017-1233-8)
9. **Croyal, M. , Fall, F., Krempf, M., Thedrez, A., Ouguerram, K., Ferchaud-Roucher, V., Aguesse, A., Billon-Crossouard, S., Mata, P., Alonso, R., LAMBERT, G., Nobecourt, E. (2017).** Plasma PCSK9 measurement by liquid chromatography-Tandem mass spectrometry and comparison with conventional ELISA. *Journal of Chromatography B* , 1044, 24-29. , DOI : 10.1016/j.jchromb.2016.12.040 <http://prodinra.inra.fr/record/394781>

10. **Croyal, M., Kaabia, Z., León, L., Ramin-Mangata, S., Baty, T., Fall, F., Crossouard, S., Aguesse, A., Hollstein, T., Sullivan, D. R., Nobecourt, E., Lambert, G., Krempf, M. (2017).** Fenofibrate decreases plasma ceramide in type 2 diabetes patients: A novel marker of CVD? . *Diabetes and Metabolism.* , DOI : 10.1016/j.diabet.2017.04.003 <http://prodinra.inra.fr/record/421903>
11. **d'Assignies G, Paisant A, Bardou-Jacquet E, Boulic A, Bannier E, Lainé F, Ropert M, Morcet J, Saint-Jalmes H, Gandon Y.** Non-invasive measurement of liver iron concentration using 3-Tesla magnetic resonance imaging: validation against biopsy. *Eur Radiol.* 2017 Nov 24. doi: 10.1007/s00330-017-5106-3.
12. **Dayoub O, Le Lay S, Soleti R, Clere N, Hilairet G, Dubois S, Gagnadoux F, Boursier J, Martínez MC, Andriantsitohaina R.** Estrogen receptor α /HDAC/NFAT axis for delphinidin effects on proliferation and differentiation of T lymphocytes from patients with cardiovascular risks. *Sci Reports* 2017;7:9378.
13. **De Luca A, Hankard R, Borys JM, Sinnott D, Marcil V, Levy E.** Nutriepigenomics and malnutrition. *Epigenomics.* 2017 ;9(6):893-917.
14. **Durcin M, Fleury A, Taillebois E, Hilairet G, Krupova Z, Henry C, Truchet S, Trötz Müller M, Köfeler H, Mabileau G, Hue O, Andriantsitohaina R, Martin P, Le Lay S.** Characterization of adipocyte-derived EV subtypes identifies distinct protein and lipid signatures for microvesicles and exosomes. *J Extracell Ves* 2017;6:1305677.
15. **Ferchaud-Roucher, V., Croyal, M., Moyon, T., Zair, Y., Krempf, M., Ouguerram, K. (2017).** Plasma Lipidome Analysis by Liquid Chromatography-High Resolution Mass Spectrometry and Ion Mobility of Hypertriglyceridemic Patients on Extended-Release Nicotinic Acid: a Pilot Study. *Cardiovascular Drugs and Therapy*, 31 (3), 269-279. , DOI : 10.1007/s10557-017-6737-y <http://prodinra.inra.fr/record/408342>
16. **Fogang Mba, A. R., Kansci, G., Viau, M., Hafnaoui, N., Meynier, A., Demmano, G., & Genot, C. (2017).** Lipid and amino acid profiles support the potential of *Rhynchophorus phoenicis* larvae for human nutrition. *Journal of Food Composition and Analysis*, 60, 64-73. <http://doi.org/10.1016/j.jfca.2017.03.016>
17. **Fumeron F, Bard JM, Lecerf JM.** Interindividual variability in the cholesterol-lowering effect of supplementation with plant sterols or stanols. *Nutr Rev.* 2017 Feb 1;75(2):134-145. doi: 10.1093/nutrit/nuw059. PubMed PMID: 28158760.
18. **Gerbaud-Morlaes L, Frison E, Babre F, De Luca A, Didier A, Borde M, Zaghet B, Batoz H, Semjen F, Nouette-Gaulain K, Enaud R, Hankard R, Lamireau T.** Frequency and risk factors for malnutrition in children undergoing general anaesthesia in a French university hospital: A cross-sectional observational study. *Eur J Anaesthesiol.* 2017;34(8):544-549.

19. **Gorecki S, Bemrah N, Roudot AC, Marchioni E, Le Bizec B, Faivre F, Kadawathagedara M, Botton J, Rivière G, on behalf of the EDEN mother-child cohort study group.** Human health risks related to the consumption of foodstuffs of animal origin contaminated by bisphenol A. *Food and Chemical Toxicology* 2017;110:333-339.
20. **Guerville M, Leroy A, Siquin A, Laugerette F, Michalski MC, Boudry G.** Western-diet consumption induces alteration of barrier function mechanisms in the ileum that correlates with metabolic endotoxemia in rats. *Am J Physiol Endocrinol Metab.* 2017 Aug 1;313(2):E107-E120. doi: 10.1152/ajpendo.00372.2016. Epub 2017 Apr 11.
21. **Lainé F, Laviolle B, Bardou-Jacquet E, Fatih N, Jezequel C, Collet N, Ropert M, Morcet J, Hamon C, Reyman JM, Loréal O.** Curcuma decreases serum hepcidin levels in healthy volunteers: a placebo-controlled, randomized, double-blind, cross-over study. *Fundam Clin Pharmacol.* 2017 Oct;31(5):567-573. doi: 10.1111/fcp.12288. Epub 2017 May 7.
22. **Lambert, G., Thedrez, A., Croyal, M., Ramin-Mangata, S., Couret, D., Diotel, N., Nobecourt Dupuy, E., Krempf, M., LeBail, J. C., Poirier, B., Blankenstein, J., Villard, E. F., Guilloton, E. (2017).** The complexity of lipoprotein (a) lowering by PCSK9 monoclonal antibodies. *Clinical Science*, 131 (4), 261-268. , DOI : 10.1042/ <http://prodinra.inra.fr/record/394783>
23. **Lampuré, A., Castetbon, K., Hanafi, M., Deglaire, A., Schlich, P., Peneau, S., Hercberg, S., Méjean, C. (2017).** Relative influence of socioeconomic, psychological and sensory characteristics, physical activity and diet on 5-year weight gain in french adults. *Nutrients*, 9 (11), 1-16. , DOI : 10.3390/nu9111179 <http://prodinra.inra.fr/record/411694>
24. **Leonetti D, Soleti R, Clere N, Vergori L, Jacques C, Duluc L, Dourguia C, Martínez MC, Andriantsitohaina R.** Estrogen receptor α participates to the beneficial effect of red wine polyphenols in a mouse model of obesity-related disorders. *Front Pharmacol* 2017;7:529.
25. **Martinez MC, Andriantsitohaina R.** Extracellular vesicles and metabolic syndrome. *Circ Res* 2017;120:1674-1686.
26. **Marze, S. (2017).** Bioavailability of Nutrients and Micronutrients: Advances in Modeling and In Vitro Approaches. In M. Doyle & T. Klaenhammer (Eds.), *Annual Review of Food Science and Technology* (2017/01/10 ed.). Book Section
27. **Ortiz Segura, M. d. C., del Rio Navarro, B. E., Rodriguez Espino, B. A., Marchat, L. A., Sanchez Munoz, F., Villafana, S., Hong, E., Meza-Cuenca, F., Mailloux Salinas, P., Bolanos Jimenez, F. J., Zambrano, E., Armando Arredondo-Lopez, A., Bravo, G. , Huang, F. (2017).** Abnormality of adipokines and endothelial dysfunction in Mexican obese adolescents with insulin resistance. *Endocrine Research*, 42 (3), 252-259. , DOI : 10.1080/07435800.2017.1294601 <http://prodinra.inra.fr/record/408352>

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29. **Ruiz M, Labarthe F, Fortier A, Bouchard B, Thompson Legault J, Bolduc V, Rigal O, Chen J, Ducharme A, Crawford PA, Tardif JC, Des Rosiers C.** Circulating acylcarnitine profile in human heart failure: a surrogate of fatty acid metabolic dysregulation in mitochondria and beyond. *Am J Physiol Heart Circ Physiol.* 2017, 313(4):H768-H781
30. **Safiedeen Z, Rodríguez-Gómez I, Vergori L, Soleti R, Vaithilingam D, Imene Douma I, Agouni A, Leiber D, Dubois S, Simard G, Zibara K, Andriantsitohaina R, Martínez MC.** Temporal cross-talk between endoplasmic reticulum and mitochondria regulates oxidative stress and mediates microparticle-induced endothelial dysfunction. *Antioxid Redox Signal* 2017;26:15-27.
31. **Tamanai-Shacoori Z, Smida I, Bousarghin L, Loreal O, Meuric V, Fong SB, Bonnaure-Mallet M, Jolivet-Gougeon A.** Roseburia spp.: a marker of health? *Future Microbiol.* 2017 Feb;12:157-170. doi: 10.2217/fmb-2016-0130. Review.
32. **Thorning, T. K., Bertram, H. C., Bonjour, J.-P., de Groot, L., Dupont, D., Feeney, E., Ipsen, R., Lecerf, J. M., Mackie, A., McKinley, M. C., Michalski, M.-C., Rémond, D., Riserus, U., Soedamah-Muthu, S. S., Tholstrup, T., Weaver, C., Astrup, A., Givens, I. (2017).** Whole dairy matrix or single nutrients in assessment of health effects: current evidence and knowledge gaps. *American Journal of Clinical Nutrition*, 105 (5), 1033-1045. , DOI : 10.3945/ajcn.116.151548 <http://prodinra.inra.fr/record/391123>
33. **Torres-Santiago, L., Mauras, N., Hossain, J., Weltman, A. L., Darmaun, D. (2017).** Does oral glutamine improve insulin sensitivity in adolescents with type 1 diabetes?. *Nutrition*, 34, 1-6. ,DOI : 10.1016/j.nut.2016.09.003 <http://prodinra.inra.fr/record/390434>
34. **Trenteseaux, C., Gaston, A.-t., Aguesse, A., Poupeau, G., De Coppet, P., Andriantsitohaina, R., Laschet, J., Amarger, V., Krempf, M., Nobecourt-Dupuy, E., Ouguerram, K. (2017).** Perinatal hypercholesterolemia exacerbates atherosclerosis lesions in offspring by altering metabolism of trimethylamine-N-Oxide and bile acids. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 37 (11), 2053 - +. , DOI : 10.1161/ATVBAHA.117.309923 <http://prodinra.inra.fr/record/420312>