

AXE 2 - Publications 2017

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2. **Bohn, T., Carriere, F., Day, L., Deglaire, A., Egger, L., Freitas, D., Golding, M., Le Feunteun, S., Macierzanka, A., Ménard, O., Miralles, B., Moscovici, A., Portmann, R., Recio, Rémond, D., Sante-Lhoutellier, V., Wooster, T., Lesmes, U., Mackie, A., Dupont, D. (2017).** Correlation between in vitro and in vivo data on food digestion. What can we predict with static in vitro digestion models?. *Critical Reviews in Food Science and Nutrition*, Epub ahead of print, 1-23. , DOI : 10.1080/10408398.2017.1315362 <http://prodinra.inra.fr/record/398686>
3. **Boudry G, Hamilton MK, Chichlowski M, Wickramasinghe S, Barile D, Kalanetra KM, Mills DA, Raybould HE.** Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. *J Dairy Sci.* 2017 Apr;100(4):2471-2481. doi: 10.3168/jds.2016-11890. Epub 2017 Jan 26.
4. **Bruno, J., Nicolas, A., Pesenti, S., Schwarz, J., Simon, J.-L., Léonil, J., Plaisancie, P. (2017).** Variants of β -casofensin, a bioactive milk peptide, differently modulate the intestinal barrier: In vivo and ex vivo studies in rats. *Journal of Dairy Science*, 100 (5), 3360-3372. , DOI : 10.3168/jds.2016-12067 <http://prodinra.inra.fr/record/391092>
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6. **Dupont, D. (2017).** Peptidomic as a tool for assessing protein digestion. *Current Opinion in Food Science*, 16, 53-58. , DOI : 10.1016/j.cofs.2017.08.001 <http://prodinra.inra.fr/record/405189>
7. **Egger, L., Ménard, O. (2017).** Update on bioactive peptides after milk and cheese digestion. *Current Opinion in Food Science*, 14, 116-121. , DOI : 10.1016/j.cofs.2017.03.003 <http://prodinra.inra.fr/record/394228>
8. **Fragua, V., Lepoudère, A., Leray, V., Baron, C., Araujo, J.A., Nguyen, P., Milgram, N.W.** Effects of dietary supplementation with a mixed blueberry and grape extract on working memory in aged beagle dogs (2017) *Journal of Nutritional Science*, . Jul 12;6:e35. DOI: 10.1017/jns.2017.33
9. **Honorio De Melo Martimiano, P., De Sa Braga Oliveira, A., Ferchaud-Roucher, V., Croyal, M., Aguesse, A., Grit, I., Ouguerram, K., de Souza, S. L., Kaeffer, B., Bolanos Jimenez, F. J. (2017).** Maternal protein-restriction during gestation and lactation in the rat results in increased brain

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10. **Le Berre-Scoul C, Chevalier J, Oleynikova E, Cossais F, Talon S, Neunlist M, Boudin H.** [A novel enteric neuron-glia coculture system reveals the role of glia in neuronal development.](#) *J Physiol.* 2017 Jan 15;595(2):583-598. doi: 10.1113/JP271989. Epub 2016 Aug 18. PMID:27436013
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 14. **Macher, J. , Moyon, T., Segain, J.-P., Michel, C. (2017).** Le transfert néonatal de microbiote intestinal corrige partiellement les défauts de microbiote constatés chez les rats ayant subi un retard de croissance intra-utérin. *Nutrition Clinique et Métabolisme*, 31 (1), 47. , DOI : 10.1016/j.nupar.2016.10.042 <http://prodinra.inra.fr/record/421901>
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 16. **Ndjim, M., Poinsignon, C., Parnet, P., Le Drean, G. (2017).** Loss of vagal sensitivity to cholecystokinin in rats born with intrauterine growth retardation and consequence on food intake. *Frontiers in Endocrinology*, 8, 65. , DOI : 10.3389/fendo.2017.00065 <http://prodinra.inra.fr/record/393924>
 17. **Paradis, J., Boureau, P., Moyon, T., Nicklaus, S., Parnet, P. , Paillé, V. (2017).** Perinatal western diet consumption leads to profound plasticity and gabaergic phenotype changes within hypothalamus and reward pathway from birth to sexual maturity in rat. *Frontiers in Endocrinology*, 8, 216. , DOI : 10.3389/fendo.2017.00216 <http://prodinra.inra.fr/record/411064>
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19. **Rolland-Fourcade C, Denadai-Souza A, Cirillo C, Lopez C, Jaramillo JO, Desormeaux C, Cenac N, Motta JP, Larauche M, Taché Y, Berghe PV, Neunlist M, Coron E, Kirzin S, Portier G, Bonnet D, Alric L, Vanner S, Deraison C, Vergnolle N.** [Epithelial expression and function of trypsin-3 in irritable bowel syndrome.](#) *Gut*. 2017 Oct;66(10):1767-1778. doi: 10.1136/gutjnl-2016-312094. Epub 2017 Jan 17. PMID:28096305
 20. **Rosa Do Carmo, F. L., Rabah, H., HUANG, S., Gaucher, F., Deplanche, M., Dutertre, S., Jardin, J., Le Loir, Y., Azevedo, V., Jan, G. (2017).** *Propionibacterium freudenreichii* Surface Protein SlpB Is Involved in Adhesion to Intestinal HT-29 Cells. *Frontiers in Microbiology*, 8 (article 1033). , DOI : 10.3389/fmicb.2017.01033 <http://prodinra.inra.fr/record/395788>
 21. **Rouaud T, Clairembault T, Coron E, Neunlist M, Anheim M, Derkinderen P.** [Enteric alpha-synuclein pathology in LRRK2-G2019S Parkinson's disease.](#) *Parkinsonism Relat Disord*. 2017 May 3. pii: S1353-8020(17)30148-7. doi: 10.1016/j.parkreldis.2017.05.001. [Epub ahead of print] No abstract available.
 22. **Stephen, A. M., Champ, M., Cloran, S. J., Fleith, M., Van Lieshout, L. , Mejbourn, H., Burley, V. J. (2017).** Dietary fibre in Europe: current state of knowledge on definitions, sources, recommendations, intakes and relationships to health. *Nutrition Research Reviews*, 1-42. , DOI : 10.1017/S095442241700004X <http://prodinra.inra.fr/record/403021>
 23. **Val-Laillet D, Besson M, Guérin S, Coquery N, Randuineau G, Kanzari A, Quesnel H, Bonhomme N, Bolhuis JE, Kemp B, Blat S, Le Huërou-Luron I, Clouard C.** A maternal Western diet during gestation and lactation modifies offspring's microbiota activity, blood lipid levels, cognitive responses, and hippocampal neurogenesis in Yucatan pigs. *FASEB J*. 2017 May;31(5):2037-2049. doi: 10.1096/fj.201601015R. Epub 2017 Feb 6.
 24. **Val-Laillet D, Guérin S, Coquery N, Nogret I, Formal M, Romé V, Le Normand L, Meurice P, Randuineau G, Guilloteau P, Malbert CH, Parnet P, Lallès JP, Segain JP.** Oral sodium butyrate impacts brain metabolism and hippocampal neurogenesis, with limited effects on gut anatomy and function in pigs. *FASEB J*. 2018 Jan 5:fj201700547RR. doi: 10.1096/fj.201700547RR. [Epub ahead of print]
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 26. **Vanhaecke T, Aubert P, Grohard PA, Durand T, Hulin P, Paul-Gilloteaux P, Fournier A, Docagne F, Ligneul A, Fressange-Mazda C, Naveilhan P, Boudin H, Le Ruyet P, Neunlist M.** [L. fermentum CECT 5716 prevents stress-induced intestinal barrier dysfunction in newborn rats.](#) *Neurogastroenterol Motil*. 2017 Mar 31. doi: 10.1111/nmo.13069. [Epub ahead of print]

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