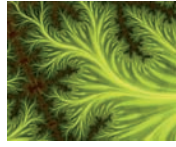


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publications

08

7.1. Publications

Listed below are the scientific contributions published in international media by IMDEA Food Institute researchers. The Institute became operational in 2008 and therefore many of these contributions began as collaborations and projects with other institutions.

2008

1. Luna, P., Bach, A., **Juárez, M.** y De La Fuente, M.A. Influence of diets rich in flax seed and sunflower oil on the fatty acid composition of ewes' milk fat especially on the content of conjugated linoleic acid, n-3 and n-6 fatty acids. *International Dairy Journal*, 18, 99-107 (2008).
2. Luna, P., Bach, A., **Juárez, M.** y De La Fuente, M.A. Effect of a Diet Enriched in Linseed and Sunflower Oil on Goats Milk Fatty Acid. Composition and CLA Isomer Profile. *Journal of Dairy Science*, 91, 20-28 (2008).
3. Gómez-Cortés, P., Hervás, G., Mantecón, A.R., **Juárez, M.**, De La Fuente, M.A., Frutos, P. Milk Production, CLA Content and *In Vitro* Ruminant Fermentation in Response to High Levels of Soybean Oil in Dairy Ewe Diet. *Journal of Dairy Science*, 91, 1560-1569, (2008).
4. Hervás, G., Luna, P., Mantecón, A.R., Castañares, N., De La Fuente, M.A., **Juárez, M.** y Frutos, P. Effect of sunflower oil in the diet of sheep on milk production, fatty acid profile and rumen fermentation. *Journal of Dairy Research*, 7, 399-405 (2008).
5. Gómez-Cortés, P., Frutos, P., Mantecón, A.R., **Juárez, M.**, De La Fuente, M.A. y Hervás, G. Addition of olive oil to dairy ewe diet: effect on milk fatty acid profile and animal performance. *Journal of Dairy Science*, 91, 3119-3127 (2008).
5. Luna, P.; **Juárez, M.**; De La Fuente, M.A. Gas chromatography and silver-ion high-performance liquid chromatography analysis of conjugated linoleic acid isomers in free fatty acid for using sulphuric acid in methanol as catalyst. *Journal of Chromatography A*, 1204, 110-113 (2008).
6. A. Anadón, M.R. Martínez- Larrañaga, M. A. Martínez, I. Ares, M. R. García-Risco, F. J. Señoráns, **G. Reglero.** Acute Oral Safety Study of Rosemary Extracts in Rats. *Journal of Food Protection* 71, 790-794 (2008).
7. Fornari, T, Vázquez, L, Torres CF, Ibáñez E, Señoráns, FJ, Reglero G. Countercurrent supercritical fluid extraction of different lipid-type materials: Experimental and thermodynamic modeling. *Journal of Supercritical Fluids* 45 (2), 206-212 (2008).
8. Torres CF, Fornari T, Tenllado D, Señoráns FJ, **Reglero G.** A predictive kinetics study of lipase-catalyzed ethanolysis reactions for the optimal reutilization of the biocatalyst. *Biochemical Engineering Journal*, 42, 105-110 (2008).
9. Torres CF, Torrelo G, Vázquez L, Señoráns FJ, **Reglero G.** Stepwise esterification of Phytosterols with Conjugated Linoleic Acid catalyzed by *Candida rugosa* lipase in solvent-free medium. *Journal of Bioscience and Bioengineering* 106, 559-562 (2008).





10. Francés F, Verdú F, Portolés O, Castelló A, Sorlí JV, Guillen M, **Corella D**. PPAR-alpha L162V and PGC-1 G482S gene polymorphisms, but not PPAR-gamma P12A, are associated with alcohol consumption in a Spanish Mediterranean population. *Clin Chim Acta*. 2008;398(1-2):70-4.
11. Orho-Melander M, Melander O, Guiducci C, Perez-Martinez P, **Corella D**, Roos C, Tewhey R, Rieder MJ, Hall J, Abecasis G, Tai ES, Welch C, Arnett DK, Lyssenko V, Lindholm E, Saxena R, de Bakker PI, Burt N, Voight BF, Hirschhorn JN, Tucker KL, Hedner T, Tuomi T, Isomaa B, Eriksson KF, Taskinen MR, Wahlstrand B, Hughes TE, Parnell LD, Lai CQ, Berglund G, Peltonen L, Vartiainen E, Jousilahti P, Havulinna AS, Salomaa V, Nilsson P, Groop L, Altshuler D, Ordovas JM, Kathiresan S. Common missense variant in the glucokinase regulatory protein gene is associated with increased plasma triglyceride and C-reactive protein but lower fasting glucose concentrations. *Diabetes*. 2008;57(11):3112-21.
12. Francés F, Portolés O, Sorlí JV, Guillén M, González JI, **Corella D**. Single tube optimisation of APOE genotyping based on melting curve analysis. *Clin Biochem*. 2008;41(10-11):923-6.
13. Kathiresan S, Melander O, Guiducci C, Surti A, Burt NP, Rieder MJ, Cooper GM, Roos C, Voight BF, Havulinna AS, Wahlstrand B, Hedner T, **Corella D**, Tai ES, Ordovas JM, Berglund G, Vartiainen E, Jousilahti P, Hedblad B, Taskinen MR, Newton-Cheh C, Salomaa V, Peltonen L, Groop L, Altshuler DM, Orho-Melander M. Six new loci associated with blood low-density lipoprotein cholesterol, high-density lipoprotein cholesterol or triglycerides in humans. *Nat Genet*. 2008;40(2):189-97.
14. Vayá A, Gómez I, Mira Y, Ferrando F, **Corella D**. Homocysteine levels in patients with deep vein thrombosis lacking thrombophilic defects. *Thromb Haemost*. 2008 ;99(6):1132-4.
15. Ordovas JM, **Corella D**. Metabolic syndrome pathophysiology: the role of adipose tissue. *Kidney Int Suppl*. 2008;(111):S10-4.
16. Sorlí JV, Francés F, González JI, Guillén M, Portolés O, Sabater A, Coltell O, **Corella D**. Impact of the -1438G>a polymorphism in the serotonin 2A receptor gene on anthropometric profile and obesity risk: a case-control study in a Spanish Mediterranean population. *Appetite*. 2008;50(2-3):260-5.
17. Salas-Salvadó J, Fernández-Ballart J, Ros E, Martínez-González MA, Fitó M, Estruch R, **Corella D**, Fiol M, Gómez-Gracia E, Arós F, Flores G, Lapeira J, Lamuela-Raventós R, Ruiz-Gutiérrez V, Buló M, Basora J, Covas MI; PREDIMED Study Investigators. Effect of a Mediterranean diet supplemented with nuts on metabolic syndrome status: one-year results of the PREDIMED randomized trial. *Arch Intern Med*. 2008;168(22):2449-58.
18. I. Sánchez-González, P. Carmona, P. Moreno, J. Borderías, I. Sánchez-Alonso, **A. Rodríguez-Casado**, M. Careche. Protein and water structural changes in fish surimi during gelation as revealed by H/D exchange and Raman spectroscopy. *Food Chemistry* 2008;106: 56–64.
19. **A. Rodríguez-Casado**, P. Carmona, I. Álvarez, A. Toledano, E. De Miguel. FTIR Micro-spectroscopic Analysis of the Effects of Certain Drugs on Oxidative Stress and Brain Protein Structure. *Biopolymers* 2008;89(6):548-554.
20. **Ramírez de Molina A**, Gallego-Ortega D, Sarmentero-Estrada J, Lagares D, Gómez Del Pulgar T, Bandrés E, García-Foncillas J, Lacal JC. Choline kinase as a link connecting phospholipid metabolism and cell cycle regulation: implications in cancer therapy. *Int J Biochem Cell Biol*. 2008; 40(9):1753-63.
21. Bañez-Coronel M, **Ramírez de Molina A**, Rodríguez-González A, Sarmentero J, Ramos MA, García-Cabezas MA, García-Oroz L, Lacal JC. Choline kinase alpha depletion selectively kills tumoral cells. *Curr Cancer Drug Targets*. 2008 Dec;8(8):709-19.

