



imdea food institute

[food and
health science
industry
and society]

institute
iMdea
food

r e p o r t

2013-14

58. Lai, C.-Q., Arnett, D.K., Richardson, K., Parnell, L.D., Borecki, I.B., and **Ordovás, J.M.** 2013. Genome-wide contribution of genotype by environment interaction to blood lipid variation. 2013. *Faseb Journal* 27.

59. Vazquez-Manjarrez, N., Guevara-Cruz, M., Tovar, A.R., Medina-Vera, I., Erazo-Tapia, E., Aguilar-Lopez, M., Flores-Lopez, A., **Ordovás, J.M.**, and Torres, N. 2013. Association between GFOD2 (rs12449157) polymorphism, dietary intake, anthropometric measurements and blood lipids in Mexican Subjects. 2013. *Faseb Journal* 27.

60. Zheng, J.-S., Arnett, D.K., Parnell, L.D., Lee, Y.-C., Ma, Y., Smith, C.E., Richardson, K., Li, D., Borecki, I.B., Tucker, K.L., et al..... 2013. Polyunsaturated fatty acids (PUFA) modulate association between PIK3CA-KCNMB3 variants and insulin resistance. 2013. *Faseb Journal* 27.

61. **Alberto Dávalos**, Carlos Fernández-Hernando. From evolution to revolution: miRNAs as pharmacological targets for modulating cholesterol efflux and reverse cholesterol transport. *Pharmacological Research*. 2013.Sep;75:60-72. doi: 10.1016/j.phrs.2013.02.005.

62. **Viviana Loria-Kohen, Isabel Espinosa-Salinas, Ana Ramirez de Molina, Patricia Casas-Agustench, Jesús Herranz, Susana Molina**, Juristo Fonollá, Mónica Olivares, Federico Lara-Villoslada, **Guillermo Reglero, José M Ordovas** “Genetic variant of PPAR α modulates cardiovascular risk biomarkers after milk consumption” aceptado para publicación en *Nutrition* (Ref. No.: NUT-D-13-00720).

2014

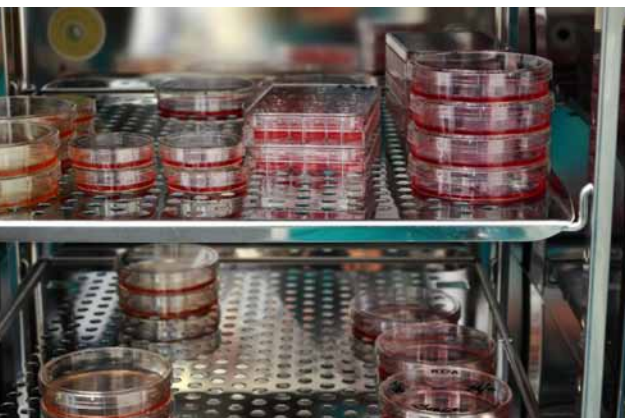
1. Carta, G ; Murru, E ; Ortiz, B; **Giordano, E** ; Belury, MA ; Quadro, L Banni, S .Metabolic Interactions between Vitamin A and Conjugated Linoleic Acid. *NUTRIENTS* Volumen: 6 Número: 3 Páginas: 1262-1272

2. **Loria-Kohen V, Espinosa-Salinas I, Ramírez de Molina A, Casas-Agustench P, Herranz J, Molina S, Fonoll J, Olivares M, Lara-Villoslada F, Reglero G, Ordovas JM.** A genetic variant of PPARA modulates cardiovascular risk biomarkers after milk consumption. *Nutrition*. 2014 Oct;30(10):1144-50. doi: 10.1016/j.nut.2014.02.012. Epub 2014 Mar 12. PubMed PMID: 24976416.

3. Hidalgo B, Irvin MR, Sha J, Zhi D, Aslibekyan S, Absher D, Tiwari HK, Kabagambe EK, **Ordovás JM**, Arnett DK. Epigenome-wide association study of fasting measures of glucose, insulin, and HOMA-IR in the Genetics of Lipid Lowering Drugs and Diet Network study. *Diabetes*. 2014 Feb;63(2):801-7.

4. Arranz, E ; Jaime, L; de la Hazas, MCL; Vicente, G ; **Reglero, G** ; Santoyo, S . Supercritical sage extracts as anti-inflammatory food ingredients. *Industrial Crops and Products* Volume 54, March 2014, Pages 159-166. Volumen: 54. Páginas: 159-166. DOI: 10.1016/j.indcrop.2014.01.021

5. Peloso GM, Auer PL, Bis JC, Voorman A, Morrison AC, Stitzel NO, Brody JA, Khetarpal SA, Crosby JR, Fornage M, Isaacs A, Jakobsdottir J, Feitosa MF, Davies G, Huffman JE, Manichaikul A, Davis B, Lohman K, Joon AY, Smith AV, Grove ML, Zanon P, Redon V, Demissie S, Lawson K, Peters U, Carlson C, Jackson RD, Ryckman KK, Mackey RH, Robinson JG, Siscovick DS, Schreiner PJ, Mychaleckyj JC, Pankow JS, Hofman A, Uitterlinden AG, Harris TB, Taylor KD, Stafford JM, Reynolds LM, Marioni RE, Dehghan A, Franco OH, Patel AP, Lu Y, Hindy G, Gottesman O, Bottinger EP, Melander O, Orho-Melander M, Loos RJ, Duga S, Merlini PA, Farrall M, Goel A, Asselta R, Girelli D, Martinelli N, Shah SH, Kraus WE, Li M, Rader



DJ, Reilly MP, McPherson R, Watkins H, Ardissino D; NHLBI GO Exome Sequencing Project, Zhang Q, Wang J, Tsai MY, Taylor HA, Correa A, Griswold ME, Lange LA, Starr JM, Rudan I, Eiriksdottir G, Launer LJ, **Ordovás JM**, Levy D, Chen YD, Reiner AP, Hayward C, Polasek O, Deary IJ, Borecki IB, Liu Y, Gudnason V, Wilson JG, van Duijn CM, Kooperberg C, Rich SS, Psaty BM, Rotter JI, O'Donnell CJ, Rice K, Boerwinkle E, Kathiresan S, Cupples LA. Association of low-frequency and rare coding-sequence variants with blood lipids and coronary heart disease in 56,000 whites and blacks. *Am J Hum Genet.* 2014 Feb 6;94(2):223-32. doi: 10.1016/j.ajhg.2014.01.009. PubMed PMID: 24507774; PubMed Central PMCID: PMC3928662.

6. Rubio-Sastre P, Gómez-Abellán P, Martínez-Nicolas A, **Ordovás JM**, Madrid JA, Garaulet M. Evening physical activity alters wrist temperature circadian rhythmicity. *Chronobiol Int.* 2014 Mar;31(2):276-82. doi:10.3109/07420528.2013.833215. Epub 2013 Oct 30. PubMed PMID: 24517176.

7. Yiannakouris N, Katsoulis M, Trichopoulou A, **Ordovás JM**, Trichopoulos D. Additive influence of genetic predisposition and conventional risk factors in the incidence of coronary heart disease: a population-based study in Greece. *BMJ Open.* 2014 Feb 5;4(2):e004387. doi: 10.1136/bmjopen-2013-004387. PubMed PMID: 24500614; PubMed Central PMCID: PMC3918976.

8. Ortega-Azorín C, Sorlí JV, Estruch R, Asensio EM, Coltell O, González JI, Martínez-González MÁ, Ros E, Salas-Salvado J, Fitó M, Arós F, Lapetra J, Serra-Majem L, Ruiz-Gutiérrez V, Gómez-Gracia E, Fiol M, Flores G, Pintó X, Saiz C, **Ordovás JM**, Corella D. Amino Acid Change in the Carbohydrate Response Element Binding Protein Is Associated With Lower Triglycerides and Myocardial Infarction Incidence Depending on Level of Adherence to the Mediterranean Diet in the PREDIMED Trial. *Circ Cardiovasc Genet.* 2014 Feb 1;7(1):49-58. doi:10.1161/CIRCGENETICS.113.000301. Epub 2014 Jan 21. PubMed PMID: 24448738.

9. Corella D, Sorlí JV, González JI, Ortega C, Fitó M, Bulló M, Martínez-González MA, Ros E, Arós F, Lapetra J, Gómez-Gracia E, Serra-Majem L, Ruiz-Gutiérrez V, Fiol M, Coltell O, Vinyoles E, Pintó X, Martí A, Saiz C, **Ordovás JM**, Estruch R. Novel association of the obesity risk-allele near Fas Apoptotic Inhibitory Molecule 2 (FAIM2) gene with heart rate and study of its effects on myocardial infarction in diabetic participants of the PREDIMED trial. *Cardiovasc Diabetol.* 2014 Jan 6;13:5. doi: 10.1186/1475-2840-13-5. PubMed PMID: 24393375; PubMed Central PMCID: PMC3922966.

10. Yoneyama S, Guo Y, Lanktree MB, Barnes MR, Elbers CC, Karczewski KJ, Padmanabhan S, Bauer F, Baumert J, Beitelshes A, Berenson GS, Boer JM, Burke G, Cade B, Chen W, Cooper-Dehoff RM, Gaunt TR, Gieger C, Gong Y, Gorski M, Heard-Costa N, Johnson T, Lamonte MJ, McDonough C, Monda KL, Onland-Moret NC, Nelson CP, O'Connell JR, **Ordovás JM**, Peter I, Peters A, Shaffer J, Shen H, Smith E, Speilotes L, Thomas F, Thorand B, Monique Verschuren WM, Anand SS, Dominiczak A, Davidson KW, Hegele RA, Heid I, Hofker MH, Huggins GS, Illig T, Johnson JA, Kirkland S; the Look AHEAD Research Group, König W, Langae TY, McCaffery J, Melander O, Mitchell BD, Munroe P, Murray SS, Papanicolaou G, Redline S, Reilly M, Samani NJ, Schork NJ, Van Der Schouw YT, Shimbo D, Shuldiner AR, Tobin MD, Wijmenga C, Yusuf S; the GIANT Consortium; the CARE IBC Consortium, Hakonarson H, Lange LA, Demerath EW, Fox CS, North KE, Reiner AP, Keating B, Taylor KC. Gene-centric meta-analyses for central adiposity traits in up to 57 412 individuals of European descent confirm known loci and reveal several novel associations. *Hum Mol Genet.* 2014 Jan 6. [Epub ahead of print] PubMed PMID: 24345515.

11. Garcia-Rios A, Gomez-Delgado FJ, Garaulet M, Alcalá-Díaz JF, Delgado-Lista FJ, Marin C, Rangel-Zuñiga OA, Rodríguez-Cantalejo F, Gomez-Luna P, **Ordovás JM**, Perez-Jimenez F, Lopez-Miranda J, Perez-Martinez P. Beneficial effect of CLOCK gene polymorphism rs1801260



in combination with low-fat diet on insulin metabolism in the patients with metabolic syndrome. *Chronobiol Int*. 2014 Apr;31(3):401-8. doi: 10.3109/07420528.2013.864300. Epub 2013 Dec 11. PubMed PMID: 24328727.

12. Gil-Zamorano J, Martin R, Daimiel L, Richardson K, **Giordano E, Nicod N,** García-Carrasco B, Soares SM, Iglesias-Gutiérrez E, Lasunción MA, Sala-Vila A, Ros E, **Ordovás JM, Visioli F, Dávalos A.** Docosahexaenoic Acid Modulates the Enterocyte Caco-2 Cell Expression of MicroRNAs Involved in Lipid Metabolism. *J Nutr*. 2014 Mar 12. 144:575-585 PubMed PMID: 24623846.

13. An P, Straka RJ, Pollin TI, Feitosa MF, Wojczynski MK, Daw EW, O'Connell JR, Gibson Q, Ryan KA, Hopkins PN, Tsai MY, Lai CQ, Province MA, **Ordovás JM,** Shuldiner AR, Arnett DK, Borecki IB. Genome-wide association studies identified novel loci for non-high-density lipoprotein cholesterol and its postprandial lipemic response. *Hum Genet*. 2014 Mar 7. Volumen: 133 Número: 7 Páginas: 919-930 Fecha de publicación: JUL 2014 PubMed PMID: 24604477.

14. Dashti HS, Smith CE, Lee YC, Parnell LD, Lai CQ, Arnett DK, **Ordovás JM,** Garaulet M. CRY1 circadian gene variant interacts with carbohydrate intake for insulin resistance in two independent populations: Mediterranean and North American. *Chronobiol Int*. 2014 Feb 18. [Epub ahead of print] PubMed PMID: 24548145

15. González-Vallinas M, Molina S, Vicente G, **Sánchez-Martínez R, Vargas T,** García-Risco MR, Fornari T, **Reglero G, Ramírez de Molina A.** Modulation of estrogen and epidermal growth factor receptors by rosemary extract in breast cancer cells. *Electrophoresis*. 2014 Epub Feb 25. Volumen: 35 Número: 11 Número especial: SI Páginas: 1719-1727

16. Zheng JS, Parnell LD, Smith CE, Lee YC, Jamal-Allial A, Ma Y, Li D, Tucker KL, **Ordovás JM,** Lai CQ. Circulating 25-hydroxyvitamin D, IRS1 variant rs2943641, and insulin resistance: repli-

cation of a gene-nutrient interaction in 4 populations of different ancestries. *Clin Chem*. 2014 Jan;60(1):186-96.

17. Kim KC, Chun H, Lai C, Parnell LD, Jang Y, Lee J, **Ordovás JM.** "The association between genetic variants of RUNX2, ADIPOQ and vertebral fracture in Korean postmenopausal women". *J Bone Miner Metab*. 2014 Feb 26.

18. Parnell LD, Casas-Agustench P, Iyer LK, Ordovás JM. How Gene Networks Can Uncover Novel CVD Players. *Curr Cardiovasc Risk Rep* (2014) 8:372

19. Nicod N, Chiva-Blanch G., **Giordano E., Dávalos A.,** Parker R.S., and **Visioli F.** Green tea, cocoa, and red wine polyphenols moderately modulate intestinal inflammation and do not increase HDL production. *Journal of Agricultural and Food Chemistry* (2014) 62:2228-2232.

20. Richard D., Oszust F., Guillaume C., Millart H., Laurent-Maquin D., Brou C., Bausero P., and **Visioli F.** Infusion of docosahexaenoic acid protects against myocardial infarction. *Prostaglandins, Leukotrienes, and Essential Fatty Acids* (2014) 90:139-143.

21. Visioli F. and Strata A. Milk, dairy products, and their functional effects in humans: a narrative review of recent evidence. *Advances in Nutrition* (2014) 5:131-143.

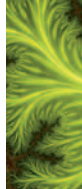
22. Giordano E. and **Visioli F.** Long-chain omega 3 fatty acids: molecular bases of potential antioxidant actions. *Prostaglandins, Leukotrienes, and Essential Fatty Acids* (2014) 90:1-4.

23. Riso P., Vendrame S., Del Bo', S., Martini D., Martinetti A., Seregini E., **Visioli F.,** Parolini M., and Porrini M. Effect of 10-day broccoli consumption on inflammatory status of young healthy smokers. *International Journal of Food Sciences and Nutrition* (2014) 65:106-111.



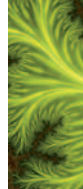


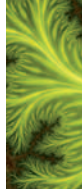
- 24.** Agarwal D, Pineda S, Michailidou K, **Herranz J**, Pita G, Moreno LT, Alonso MR, Dennis J, Wang Q, Bolla MK, Meyer KB, Menéndez-Rodríguez P, Hardisson D, Mendiola M, González-Neira A, Lindblom A, Margolin S, Swerdlow A, Ashworth A, Orr N, Jones M, Matsuo K, Ito H, Iwata H, Kondo N, Hartman M, Hui M, Lim WY, T-C lau P, Sawyer E, Tomlinson I, Kerin M, Miller N, Kang D, Choi JY, Park SK, Noh DY, Hopper JL, Schmidt DF, Makalic E, Southey MC, Teo SH, Yip CH, Sivanandan K, Tay WT, Brauch H, Brüning T, Hamann U, Dunning AM, Shah M, Andrulis IL, Knight JA, Glendon G, Tchatchou S, Schmidt MK, Broeks A, Rosenberg EH, Van't Veer LJ, Fasching PA, Renner SP, Ekici AB, Beckmann MW, Shen CY, Hsiung CN, Yu JC, Hou MF, Blot W, Cai Q, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Cox A, Brock IW, Reed MW, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsana P, Zheng W, Deming-Halverson S, Shrubsole MJ, Long J, Shu XO, Lu W, Gao YT, Zhang B, Radice P, Peterlongo P, Manoukian S, Mariette F, Sangrairang S, McKay J, Couch FJ, Toland AE, Yannoukakos D, Fletcher O, Johnson N, Silva Idos S, Peto J, Marme F, Burwinkel B, Guénel P, Truong T, Sanchez M, Mulot C, Bojesen SE, Nordestgaard BG, Flyer H, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Wang X, Olson JE, Vachon C, Purrington K, Giles GG, Severi G, Baglietto L, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Dumont M, Goldberg MS, Labrèche F, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Devilee P, Tollenaar RA, Seynaeve C, García-Closas M, Chanock SJ, Lissowska J, Figueroa JD, Czene K, Eriksson M, Humphreys K, Darabi H, Hooning MJ, Kriege M, Collée JM, Tilanus-Linthorst M, Li J, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Nevanlinna H, Muranen TA, Aittomäki K, Blomqvist C, Bogdanova N, Dörk T, Hall P, Chenevix-Trench G, Easton DF, Pharoah PD, Arias-Perez JI, Zamora P, Benítez J, Milne RL. FGF receptor genes and breast cancer susceptibility: results from the Breast Cancer Association Consortium. *British Journal Cancer*. 2014 Feb 18;110(4):1088-100.
- 25.** Torres, JM; Espinosa, JC; Aguilar-Calvo, P; Herva, ME; Relano-Gines, A; Villa-Diaz, A; Morales, M; Parra, B; Alamillo, E; Brun, A; Castilla, J ; **Molina, S**; Hawkins, SAC; Andreoletti, O. Elements modulating the prion species barrier and its passage consequences. *PLoS One*. 2014 Mar 7;9(3):e89722.
- 26.** Santoyo, S.; Jaime, L.; Garcia-Risco, M. R.; Ruiz-Rodriguez, A.; **Reglero, G**. Antiviral properties of supercritical CO2 extracts from oregano and sage. *International Journal of Food Properties*. 17(5)1150-1161. DOI: 10.1080/10942912.2012.700539
- 27.** Casado, Victor; **Reglero, G.**; Torres, Carlos F. Novel and efficient solid to solid transphosphatidylation of two phenylalkanols in a biphasic GRAS medium. *JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC*. 99:14-19. DOI: 10.1016/j.molcatb.2013.10.011
- 28.** Benavides, Andres M. Hurtado; Martin-Alvarez, P.J.; Vazquez, L.; **Reglero, G.**; Senorans, FJ; Ibanez, E. Optimization of Countercurrent Supercritical Fluid Extraction of Minor Components from Olive Oil. 10.1:78-85
- 29.** Casas-Agustench, P; Arnett D.K.; Smith C.E. ; Lai C.; Parnell L. D.; Borecki I. B.; Rich S. S.; Frazier-Wood A. C.; Allison M.; Ida Chen Y.; Taylor K. D.; Rotter J. I.; Lee Y.; **Ordovás J.M.** Saturated fat intake modulates the association between a genetic risk score of obesity and BMI in two US populations. *Journal of the Academy of Nutrition and Dietetics*. 2014 Apr 30. pii: S2212-2672(14)00357-8. doi: 10.1016/j.jand.2014.03.014.
- 30.** **Visioli F**. Rusting the pipes: ingestion of oxidized lipids and vascular disease. *Vascular Pharmacology* (2014) 62:47-48
- 31.** **Herranz Valera J.**, Acuña Ruiz P., Romero Valdespino B., and Visioli F. Prevalence of orthorexia nervosa among ashtanga yoga practitioners: a pilot study. *Eating and Weight Disorders*. 2014 May 23.



- 32.** Elbir M., Amhoud A., Mbarki M., and **Visioli F.** Antioxidant activity of a crude preparation rich in phenolic compounds from the olive stones of two Moroccan cultivars. A preliminary study. *Current Topics in Nutraceutical Research* (2014) 1/2:9-11.
- 33.** **Giordano E., Davalos A., Nicod N., and Visioli F.** Hydroxytyrosol attenuates tunicamycin-induced endoplasmic reticulum stress in human hepatocarcinoma cells. *Molecular Nutrition & Food Research* (2014) 58:954-962
- 34.** van Schalkwijk DB, de Graaf AA, Tsvitsvadze E, Parnell LD, van der Werff-van der Vat BJ, van Ommen B, van der Greef J, **Ordovás JM.** "Lipoprotein metabolism indicators improve cardiovascular risk prediction". *PLoS One*. 2014 Mar 25;9(3):e92840.
- 35.** Alonso R, Andres E, Mata N, Fuentes-Jiménez F, Badimón L, López-Miranda J, Padró T, Muñiz O, Díaz-Díaz JL, Mauri M, **Ordovás JM,** Mata P; SAFEHEART investigators. "Lipoprotein(a) levels in Familial Hipercholesterolaemia: an important predictor for cardiovascular disease independent of the type of LDL-receptor mutation". *J Am Coll Cardiol*. 2014 May 20;63(19):1982-9. doi: 10.1016/j.jacc.2014.01.063. Epub 2014 Mar 13.
- 36.** León-Latre M, Moreno-Franco B, Andrés-Esteban EM, Ledesma M, Laclaustra M, Alcalde V, Peñalvo JL, **Ordovás JM,** Casasnovas JA; en representación de los investigadores del Aragon Workers-Health Study. "Sedentary Lifestyle and Its Relation to Cardiovascular Risk Factors, Insulin Resistance and Inflammatory Profile". *REVISTA ESPAÑOLA DE CARDIOLOGIA*. Volumen: 67 Número: 6 Páginas: 449-455 DOI: 10.1016/j.rec.2013.10.015
- 37.** Pineda S, Milne RL, Calle ML, Rothman N, López de Maturana E, **Herranz J,** Kogevinas M, Chanock SJ, Tardón A, Márquez M, Guey LT, García-Closas M, Lloreta J, Baum E, González-Neira A, Carrato A, Navarro A, Silverman DT, Real FX, Malats N. Genetic Variation in the TP53 Pathway and Bladder Cancer Risk. A Comprehensive Analysis. *PLoS One*. 2014 May 12;9(5)
- 38.** Meydani M, Kwan P, Band M, Knight A, Guo W, Goutis J, **Ordovás J.** "Long-term vitamin E supplementation reduces atherosclerosis and mortality in Ldlr-/- mice, but not when fed Western style diet". *Atherosclerosis*. 2014 Mar;233(1):196-205.
- 39.** Garaulet, M; Smith, CE; Gomez-Abellan, P; Ordovás-Montanes, M; Lee, YC; Parnell, LD; Arnett, DK; **Ordovás, JM.** REV-ERB-ALPHA circadian gene variant associates with obesity in two independent populations: Mediterranean and North American. *MOLECULAR NUTRITION & FOOD RESEARCH* Volumen: 58 Número: 4 Páginas: 821-829
- 40.** Corella, Dolores; **Ordovás, José M.** How does the Mediterranean diet promote cardiovascular health? Current progress toward molecular mechanisms. *BIOESSAYS* Volumen: 36 Número: 5 Páginas: 526-537
- 41.** Delgado-Lista J, Perez-Martinez P, Solivera J, Garcia-Rios A, Perez-Caballero AI, Lovegrove JA, Drevon CA, Defoort C, Blaak EE, Dembinska-Kie A, Risérus U, Herruzo-Gomez E, Camargo A, **Ordovás JM,** Roche H, Lopez-Miranda J. "Top single nucleotide polymorphisms affecting carbohydrate metabolism in metabolic syndrome: from the LIPGENE study". *J Clin Endocrinol Metab*. 2014 Feb;99(2):E384-9.
- 42.** **Konstantinidou, Valentini; Daimiel Ruiz,** Lidia Angeles; **Ordovás, JM.** Personalized Nutrition and Cardiovascular Disease Prevention: From Framingham to PREDIMED. *ADVANCES IN NUTRITION* Volumen: 5 Número: 3 Páginas: 368S-371S
- 43.** de Maturana EL, Chanok SJ, Picornell AC, Rothman N, **Herranz J,** Calle ML, García-Closas M, Marenne G, Brand A, Tardón A, Carrato A, Silverman DT, Kogevinas M, Gianola D, Real FX, Malats N. Whole Genome Prediction of Bladder Cancer Risk With the Bayesian LASSO. *Genetic Epidemiology*. 2014 May 5. Volumen: 38 Número: 5 Páginas: 467-476 DOI: 10.1002/gepi.21809

44. Milne RL, **Herranz J**, Michailidou K, Dennis J, Tyrer JP, Zamora MP, Arias-Perez JI, González-Neira A, Pita G, Alonso MR, Wang Q, Bolla MK, Czene K, Eriksson M, Humphreys K, Darabi H, Li J, Anton-Culver H, Neuhausen SL, Ziogas A, Clarke CA, Hopper JL, Dite GS, Apicella C, Southey MC, Chenevix-Trench G; kConFab Investigators; Australian Ovarian Cancer Study Group, Swerdlow A, Ashworth A, Orr N, Schoemaker M, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Andrulis IL, Knight JA, Glendon G, Mulligan AM, Bojesen SE, Nordestgaard BG, Flyger H, Nevanlinna H, Mura-nen TA, Aittomäki K, Blomqvist C, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Wang X, Olson JE, Vachon C, Purrington K, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Grip M, Dunning AM, Shah M, Guénel P, Truong T, Sanchez M, Mulot C, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Lindblom A, Margolin S, Hooning MJ, Hollestelle A, Collée JM, Jager A, Cox A, Brock IW, Reed MW, Devilee P, Tollenaar RA, Seynaeve C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Dumont M, Soucy P, Dörk T, Bogdanova NV, Hamann U, Försti A, Rüdiger T, Ulmer HU, Fasching PA, Häberle L, Ekici AB, Beckmann MW, Fletcher O, Johnson N, Dos Santos Silva I, Peto J, Radice P, Peterlongo P, Peissel B, Mariani P, Giles GG, Severi G, Baglietto L, Sawyer E, Tomlinson I, Kerin M, Miller N, Marme F, Burwinkel B, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM, Lambrechts D, Yesilyurt BT, Floris G, Leunen K, Alnæs GG, Kristensen V, Børresen-Dale AL, García-Closas M, Chanock SJ, Lissowska J, Figueroa JD, Schmidt MK, Broeks A, Verhoef S, Rutgers EJ, Brauch H, Brüning T, Ko YD; The GENICA Network, Couch FJ, Toland AE; The TNBCC, Yannoukacos D, Pharoah PD, Hall P, Benítez J, Malats N, Easton DF. A large-scale assessment of two-way SNP interactions in breast cancer susceptibility using 46 450 cases and 42 461 controls from the breast cancer association consortium. *Human Molecular Genetics* 2014 Apr 1;23(7):1934-46.
45. **González-Vallinas M**, **Molina S**, Vicente G, Zarza V, **Martín-Hernández R**, García-Risco MR, Fornari T, **Reglero G**, **Ramírez de Molina A**. Expression of MicroRNA-15b and the Glycosyltransferase GCNT3 Correlates with Antitumor Efficacy of Rosemary Diterpenes in Colon and Pancreatic Cancer. *PLoS One*. 2014 Jun 03; 9(6) DOI: 10.1371/journal.pone.0098556
46. **Giordano E.**, **Dávalos A.**, and **Visioli F.** Chronic hydroxytyrosol feeding modulates glutathione-mediated oxido-reduction pathways in adipose tissue: a nutrigenomic study. *Nutrition Metabolism and Cardiovascular Disease* (2014) 24:1144-1150.
47. Nobbio L., Visigalli D., Radice D., Fiorina E., Solari A., Lauria G., Reilly M.M., Santoro L., Schenone A., Pareyson D.; on behalf of the CMT-TRIAAL Group (**Visioli F**). PMP22 messenger RNA levels in skin biopsies: testing the effectiveness of a Charcot-Marie-Tooth 1A biomarker. *Brain* (2014) 137:1614-1620.
48. Martin, D; Garcia-Serrano, A; Casado, V ; Vazquez, L; **Reglero, G** ; Torres, CF. Antioxidant activity of phosphatidyl derivatives of hydroxytyrosol in edible oils. *EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY* Volumen: 116 Número: 8 Páginas: 1035-1043 DOI: 10.1002/ejlt.201400053 Fecha de publicación: AUG 2014
49. Santoyo, S; Jaime, L; Garcia-Risco, MR; Lopez-Hazas, M; **Reglero, G**. Supercritical fluid extraction as an alternative process to obtain antiviral agents from thyme species. *INDUSTRIAL CROPS AND PRODUCTS* Volumen: 52 Páginas: 475-480
50. Marín-Martín FR, Soler-Rivas C, **Martín-Hernández R**, **Rodríguez-Casado A**. A Comprehensive In Silico Analysis of the Functional and Structural Impact of Nonsynonymous SNPs in the ABCA1 Transporter Gene. *Cholesterol*. Epub 2014 Aug 19.
51. Zheng, JS ; Lai, CQ ; Parnell, LD ; Lee, YC ; Shen, J; Smith, CE; **Casas-Agustench, P**; Richardson, K; Li, D; Noel, SE; Tucker, KL; Arnett, DK; Borecki, IB ; **Ordovás, JM** .Genome-wide interaction of genotype by erythrocyte n-3 fatty acids contributes to phenotypic variance of diabetes-related traits. *BMC GENOMICS* Volumen: 15. Número de artículo: 781 Fecha de publicación: SEP 11 2014





52. Berciano S, **Ordovás JM**. Nutrition and cardiovascular health. *Rev Esp Cardiol (Engl Ed)*. 2014 Sep;67(9):738-47. doi: 10.1016/j.rec.2014.05.003. Epub 2014 Jul 24. PubMed PMID: 25172070.
53. Irvin, MR; Zhi, DG; Joehanes, R; Mendelson, M; Aslibekyan, S; Claas, SA; Thibeault, KS; Patel, N; Day, K; Jones, LW; Liang, LM; Chen, BH; Yao, C; Tiwari, HK; **Ordovás, JM**; Levy, D; Absher, D; Arnett, DK. Epigenome-Wide Association Study of Fasting Blood Lipids in the Genetics of Lipid-Lowering Drugs and Diet Network Study. *CIRCULATION* Volumen: 130 Número: 7 Páginas: 565+
54. Bandin, C.; Martinez-Nicolas, A.; **Ordovás, J. M.**; et ál. Circadian rhythmicity as a predictor of weight-loss effectiveness. *INTERNATIONAL JOURNAL OF OBESITY* Volumen: 38 Número: 8 Páginas: 1083-1088
55. Corella, D; Sorli, JV; Estruch, R; Coltell, O; Ortega-Azorin, C; Portoles, O; Martinez-Gonzalez, MA; Bullo, M; Fito, M; Aros, F; Lapetra, J; Asensio, EM; Saez, GT; Serra-Majem, L; Munoz-Bravo, C; Ruiz-Gutierrez, V; Fiol, M; Vinyoles, E; Pinto, X; Richardson, K; Ros, E; **Ordovás, JM**. MicroRNA-410 regulated lipoprotein lipase variant rs13702 is associated with stroke incidence and modulated by diet in the randomized controlled PREDIMED trail. *AMERICAN JOURNAL OF CLINICAL NUTRITION* Volumen: 100 Número: 2 Páginas: 719-731
56. TG and HDL Working Group of the Exome Sequencing Project, National Heart, Lung, and Blood Institute, Crosby J, Peloso GM, Auer PL, Crosslin DR, Stitzel NO, Lange LA, Lu Y, Tang ZZ, Zhang H, Hindy G, Masca N, Stirrups K, Kanoni S, Do R, Jun G, Hu Y, Kang HM, Xue C, Goel A, Farrall M, Duga S, Merlini PA, Asselta R, Girelli D, Olivieri O, Martinelli N, Yin W, Reilly D, Speliotes E, Fox CS, Hveem K, Holmen OL, Nikpay M, Farlow DN, Assimes TL, Franceschini N, Robinson J, North KE, Martin LW, DePristo M, Gupta N, Escher SA, Jansson JH, Van Zuydam N, Palmer CN, Wareham N, Koch W, Meitinger T, Peters A, Lieb W, Erbel R, König IR, Kruppa J, Degenhardt F, Gottesman O, Bottinger EP, O'Donnell CJ, Psaty BM, Ballantyne CM, Abecasis G, **Ordovás JM**, Melander O, Watkins H, Orho-Melander M, Ardisino D, Loos RJ, McPherson R, Willer CJ, Erdmann J, Hall AS, Samani NJ, Deloukas P, Schunkert H, Wilson JG, Kooperberg C, Rich SS, Tracy RP, Lin DY, Altshuler D, Gabriel S, Nickerson DA, Jarvik GP, Cupples LA, Reiner AP, Boerwinkle E, Kathiresan S. Loss-of-Function Mutations in APOC3, Triglycerides, and Coronary Disease. *Autoría conjunta: Exome Sequencing Project; Natl Heart Lung Blood Inst. NEW ENGLAND JOURNAL OF MEDICINE* Volumen: 371 Número: 1 Páginas: 22-31
57. Gomez-Delgado, F; Alcalá-Díaz, JF; García-Ríos, A; Delgado-Lista, J; Ortiz-Morales, A; Rangel-Zuniga, O; Tinahones, FJ; Gonzalez-Guardia, L; Malagon, MM; Bellido-Munoz, E; **Ordovás, JM**; Perez-Jimenez, F; Lopez-Miranda, J; Perez-Martinez, P. Polymorphism at the TNF-alpha gene interacts with Mediterranean diet to influence triglyceride metabolism and inflammation status in metabolic syndrome patients: From the COR-DIOPREV clinical trial. *MOLECULAR NUTRITION & FOOD RESEARCH* Volumen: 58 Número: 7 Páginas: 1519-1527.
58. Irvin, MR; Zhi, DG; Aslibekyan, S; Claas, SA; Absher, DM; **Ordovás, JM**; Tiwari, HK; Watkins, S; Arnett, DK. Genomics of Post-Prandial Lipidomic Phenotypes in the Genetics of Lipid Lowering Drugs and Diet Network (GOLDN) Study. *PLOS ONE*. Volumen: 9. Número: 6. Número de artículo: e99509.
59. Lopez-Guimera, G; Dashti, HS; Smith, CE; Sanchez-Carracedo, D; **Ordovás, JM**; Garaulet, M. CLOCK 3111 T/C SNP Interacts with Emotional Eating Behavior for Weight-Loss in a Mediterranean Population. *PLOS ONE* Volumen: 9. Número: 6. Número de artículo: e99152.
60. Alcalá-Díaz, JF; Delgado-Lista, J; Perez-Martinez, P; García-Ríos, A; Marin, C; Quintana-Navarro, GM; Gomez-Luna, P; Camargo, A; Almaden, Y; Caballero, J; Tinahones, FJ; **Ordovás, JM**; Perez-

Jimenez, F; Lopez-Miranda, J. Hypertriglyceridemia Influences the Degree of Postprandial Lipemic Response in Patients with Metabolic Syndrome and Coronary Artery Disease: From the Cordio-Prev Study. PLOS ONE Volumen: 9 Número: 5 Número de artículo: e96297

61. Gonzalez-Castejon, M; Garcia-Carrasco, B ; Fernandez-Dacosta, R ; Davalos, A ; **Rodriguez-Casado, A** . Reduction of Adipogenesis and Lipid Accumulation by Taraxacum officinale (Dandelion) Extracts in 3T3L1 Adipocytes: An in vitro Study. PHYTOTHERAPY RESEARCH Volumen: 28 Número: 5 Páginas: 745-752

62. Perez-Martinez P, Alcalá-Díaz JF, Delgado-Lista J, García-Ríos A, Gómez-Delgado F, Marín-Hinojosa C, Rodríguez-Cantalejo F, Delgado-Casado N, Pérez-Caballero AI, Fuentes-Jiménez FJ, Camargo A, Tinahones FJ, **Ordovás JM**, Pérez-Jiménez F, López-Miranda J. Metabolic phenotypes of obesity influence triglyceride and inflammation homeostasis. Eur J Clin Invest. 2014 Nov;44(11):1053-64. doi: 10.1111/eci.12339. PubMed PMID: 25231836.

63. Corella D, **Ordovás JM**. Aging and cardiovascular diseases: The role of gene-diet interactions. Ageing Res Rev. 2014 Aug 24;18C:53-73. doi: 10.1016/j.arr.2014.08.002

64. Frazier-Wood AC, Wojczynski MK, Borecki IB, Hopkins PN, Lai CQ, **Ordovás JM**, Straka RJ, Tsai MY, Tiwari HK, Arnett DK. Genetic risk scores associated with baseline lipoprotein subfraction concentrations do not associate with their responses to fenofibrate. Biology (Basel). 2014 Aug 25;3(3):536-50. doi: 10.3390/biology3030536.

65. Ma Y, Tucker KL, Smith CE, Lee YC, Huang T, Richardson K, Parnell LD, Lai CQ, Young KL, Justice AE, Shao Y, North KE, **Ordovás JM**. Lipoprotein lipase variants interact with polyunsaturated fatty acids for obesity traits in women: Replication in two populations. Nutr Metab Cardiovasc Dis. 2014 Jul 22. pii: S0939-4753(14)00231-2. doi: 10.1016/j.numecd.2014.07.003.

66. Aslibekyan S, Dashti HS, Tanaka T, Sha J, Ferrucci L, Zhi D, Bandinelli S, Borecki IB, Absher DM, Arnett DK, **Ordovás JM**. PRKCZ methylation is associated with sunlight exposure in a North American but not a Mediterranean population. Chronobiol Int. 2014 Nov;31(9):1034-40. doi: 10.3109/07420528.2014.944266. Epub 2014 Jul 30. PubMed PMID: 25075435.

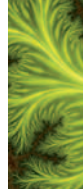
67. Sotos-Prieto M, Moreno-Franco B, **Ordovás JM**, Leán M, Casasnovas JA, Peñalvo JL. Design and development of an instrument to measure overall lifestyle habits for epidemiological research: the Mediterranean Lifestyle (MEDLIFE) index. Public Health Nutr. 2014 Jul 15:1-9.

68. Martín JM, Freire PF, **Daimiel L**, Martínez-Botas J, Sánchez CM, Lasunción MA, Peropadre A, Hazen MJ. The antioxidant butylated hydroxyanisole potentiates the toxic effects of propylparaben in cultured mammalian cells. Food Chem Toxicol. 2014 Oct;72:195-203. doi: 10.1016/j.fct.2014.07.031.

69. Valls RM, Farrás M, Suárez M, Fernández-Castillejo S, Fitó M, **Konstantinidou V**, Fuentes F, López-Miranda J, Giral M, Covas MI, Motilva MJ, Solá R. Effects of functional olive oil enriched with its own phenolic compounds on endothelial function in hypertensive patients. A randomised controlled trial. Food Chem. 2015 Jan 15;167:30-5. doi: 10.1016/j.foodchem.2014.06.107

70. Loria-Kohen V., Lourenço-Nogueira T., Espinosa-Salinas I., Marín F. R., Soler-Rivas C., Ramírez de Molina A.. Nutritional and Functional Properties of Edible Mushrooms: A Food with Promising Health Claims. Journal of Pharmacy and Nutrition Sciences, Vol 4, No 3 (2014). DOI: <http://dx.doi.org/10.6000/1927-5951.2014.04.03.4>

71. Vargas T, Moreno-Rubio J, **Herranz J**, Cejas P, Molina S, **González-Vallinas M**, Ramos R, Burgos E, Aguayo C, Custodio AB, Reglero G, Feliu J, **Ramírez de Molina A**. Genes associated with metabolic syndrome predict disease-free survival in stage II colorectal cancer patients.



A novel link between metabolic dysregulation and colorectal cancer. *Mol Oncol*. 2014 Jun 10. pii: S1574-7891(14)00122-7. doi: 10.1016/j.molonc.2014.05.015.

72. Visioli F. The resveratrol fiasco. *Pharmacol Res*. 2014 Dec;90:87. doi: 10.1016/j.phrs.2014.08.003. Epub 2014 Aug 30.

73. Piscosquito G., Reilly M.M, Schenone A, Fabrizi G.M, Cavallaro T, Santoro L, Vita G, Quattrone A., Padua L., Gemignani F., **Visioli F.**, Laura M., Calabrese D., Hughes R.A.C., Radice D., Solari A., and Pareyson D., for the CMT-TRIAAL & CMT-TRAUK Group. Is overwork weakness relevant in Charcot-Marie-Tooth disease? *J Neurol Neurosurg Psychiatry*. 2014 Dec;85(12):1354-8. doi: 10.1136/jnnp-2014-307598. Epub 2014 Mar 21.

74. Martin, D; Moran-Valero, MI; Casado, V; **Reglero, G**; Torres, CF. Phosphatidyl Derivative of Hydroxytyrosol. In Vitro Intestinal Digestion, Bioaccessibility, and Its Effect on Antioxidant Activity. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* Volumen: 62 Número: 40 Páginas: 9751-9759.

75. Martin, D; Moran-Valero, MI ; Vazquez, L; **Reglero, G**; Torres, CF. Comparative in vitro intestinal digestion of 1,3-diglyceride and 1-monoglyceride rich oils and their mixtures. *FOOD RESEARCH INTERNATIONAL* Volumen: 64 Páginas: 603-609. DOI: 10.1016/j.foodres.2014.07.026

76. Daimiel-Ruiz L, Klett M, Konstantinidou V, Micó V, Aranda JF, García B, Martínez-Botas J, Dávalos A, Fernández-Hernando C, Ordovás JM. Dietary lipids modulate the expression of miR-107, a miRNA that regulates the circadian system. *Mol Nutr Food Res*. 2014 Dec 17. doi: 10.1002/mnfr.201400616.

77. Nicod N, Parker RS, Giordano E, Maestro V, Dávalos A, Visioli F. Isomer-specific effects of conjugated linoleic acid on HDL functionality associated with reverse cholesterol transport. *J Nutr Biochem*. 2014 Nov 12. pii: S0955-2863(14)00220-4. doi: 10.1016/j.jnutbio.2014.10.002.

78. Lamaziere A, Richard D, Bausero P, Barbe U, Kefi K, Wolf C, **Visioli F.** Comparison of docosahexaenoic acid uptake in murine cardiomyocyte culture and tissue: Significance to physiologically relevant studies. *Prostaglandins Leukot Essent Fatty Acids*. 2014 Nov 24. pii: S0952-3278(14)00195-1. doi: 10.1016/j.plefa.2014.11.004.

79. González-Vallinas M, Vargas T, Moreno-Rubio J, Molina S, Herranz J, Cejas P, Burgos E, Aguayo C, Custodio A, Reglero G, Feliu J, Ramírez de Molina A. Clinical relevance of the differential expression of the glycosyltransferase gene GCNT3 in colon cancer. *Eur J Cancer*. 2014 Nov 11. pii: S0959-8049(14)01057-0. doi: 10.1016/j.ejca.2014.10.021.

80. Ma Y, Smith CE, Lai CQ, Irvin MR, Parnell LD, Lee YC, Pham L, Aslibekyan S, Claas SA, Tsai MY, Borecki IB, Kabagambe EK, Berciano S, **Ordovás JM**, Absher DM, Arnett DK. Genetic variants modify the effect of age on APOE methylation in the Genetics of Lipid Lowering Drugs and Diet Network study. *Aging Cell*. 2014 Dec 4. doi: 10.1111/accel.12293. PubMed PMID: 25476875.

