

REFERENCIAS BIBLIOGRÁFICAS DEL CURSO:

Libros y capítulos de libros por el profesor utilizados

De Lorenzo, D. et al.

Nutrigenómica y Nutrigenética: hacia la dieta personalizada.

Librooks, 2011. ISBN: 9788493891015.

De Lorenzo, D. et al.

Organic bioactive dietary fiber and satiety.

University of Lleida, 2011. ISBN: 9788497434782.

De Lorenzo, D.

La comprensión de las bases biológicas de la personalidad en el siglo XXI:

Genómica de la impulsividad. Capítulo del libro "Neuropsicología de la impulsividad: actualizaciones", pp. 81-97. Jaume L. Celma Merola, Francesc Abella Pons (eds.)

Editor: Edicions de la Universitat de Lleida; Edición: 1 (2012).

ISBN-13: 978-8484095330.

Publicaciones Indexadas destacadas por el profesor utilizadas

Serrano, J.C.E., D. de Lorenzo, A. Cassanye, A. Espinel, M.A. Delgado, R. Pamplona and M. Portero-Otin

Soy intake benefits in cardiovascular disease risk factors profile may be determined by vitamin D receptor Bsml polymorphism

2013 (submitted)

De Lorenzo, D.

Present and future perspectives of Nutrigenomics and Nutrigenetics in preventive medicine.

Nutr. clín. diet. hosp. 2012; 32(2):92-105.

Aluja A, García LF, Blanch A, De Lorenzo D, Fibla J.

Impulsive-disinhibited personality and serotonin transporter gene polymorphisms: association study in an inmate's sample.

J Psychiatr Res. 2009 Jul;43(10):906-14.

Estudios de referencia utilizados en el curso

Tema 1

Vitamin D receptor BsmI polymorphism modulates soy intake and 25-hydroxyvitamin D supplementation benefits in cardiovascular disease risk factors profile

José Serrano, David de Lorenzo, Anna Cassanye, Meritxell Martín Gari Alberto Espinel, Marco Antonio Delgado, Reinal Pamplona, Manuel Portero Otín.

Genes and Nutrition

Noviembre 2013, volumen 8, entrega 6 pg 561-569

Apolipoprotein A5 polymorphisms interact with total dietary fat intake in association with markers of metabolic syndrome in Puerto Rican older adults.

Mattei et al (2009). J Nutr. 139 (12): 2301-8

Epidemiology of multiple sclerosis in US veterans : 1. Race, sex and geographic Distribution .

Kurtzke et al. Neurology (1.979)

Nutrigenómica: Nuevas herramientas al Servicio de la salud a través de la personalización de la nutrición y el diseño de nutracéuticos (2.014). En "Valorización de Recursos marinos. Nutracéuticos y moléculas con actividad terapéutica". ISBN 978-84-695-9556-5. Ed. Fundación CETMAR.

Common genetic variants of the vitamin D binding protein predict differences in response of serum 25-hydroxivitamin D supplementation.

Clin Biochem 2.009 42 (10-11): 1174-1177.

Fu et Al.

Dietary intake of phytoestrogens, estrogen receptor-beta polymorphisms and the risk of prostate cancer.

Prostate 2.006- 66 (14): 1512-1520.

Hedelin et al.

Tema 2

National Human Genome Research Institute

Wikipedia

NHGRI GWA Catalog,

A Genome wide association meta analysis identifies new childhood obesity loci.

JP Bradfield et al. (2012)

Tema 3:

Article: Finding the missing heritability of complex diseases.

Vol 461 Octobre 2.009 Nature 08494

Article Biological, clinical and population relevance of 95 LOCI for blood lipids.

Vol 466 5 August 2.006 Nature 09270

Influence of life stress on depression: moderation by a polymorphism in the 5-HTT gene

Science 2.003 vol. 301 (5631) pp. 386-9

Caspi et al. Influence of life stress

Circulating levels of tryglicerids based on circulating levels of omega3 fats (low. vs. high) and NOS3 genotype.

Ferguson et al. Atherosclerosis . 2010; 211; 539-544

Riesgo de infarto de miocardio según el consumo de cafè en base al genotipo CYP1A2

Cornelis et al. JAMA 2006; 295; 1135-41

Interacción entre grasas saturades y gen APOA2

Corella et al. Arch. Inter. Med 2009; 169 (20):1897-906

Molecular basis of salt sensitivity in human hypertension.

Evaluation of renin-angiotensin- aldosterone System gene polymorphisms.

Hypertension

Poch. et al.2001-38:1204-1209

A common variant in the FTO gene is associated with body mass index and predisposes to childhood and adult obesity (2007) Science 316 (5826): 889-894 .

Timothy M. Frayling et al

Dietary fatty acid distribution modifies obesity risk linked to the rs9939609 polymorphism of the fat and obesity associated gene in a Spanish case-control study of children.

Moleres et al. (2012)

Gene 6 Physical Activity Interactions in Obesity: Combined Analysis 111,421 Individuals of European Ancestry.

(2013) Shafqat Ahmad et al. PLOS Genetics. July 2013. Volume 9. Issue 7. e1003607

Polyinsaturated fatty acids modulates the effects of the APOA1 G-A polymorphism on HDL-cholesterol concentrations in a sex-specific manner: the Framingham Study. (2002) Am J Clin Nutr ; 75(1) ; 38-46

Ordovas et al.

Tema 4:

Jorde et al. Medical Genetics.4th Edition.

Perry et al. 2007. Nature Genetics 39, 1256-60

Article: Genetic studies of body mass index yield new insights for obesity biology

Doi: 10.1038/Nature 14177

Article: New genetic loci link adipose and insulin biology to body fat Distribution

Doi: 10.1038/Nature 14132

Tema 5:

Transgenerational response to nutrition , early life circumstances and longevity.

European Journal of Human Genetics (2007) 15, 784-790

Kaati et al.

Sex specific , male-line transgenerational responses in humans.

European Journal of Human Genetics (2006) 14, 159-166

Pembrey et al.

Gene MTHFR. Folate and cardio risk

J. Nutr. 2003; 133: 1272-1280

Guinotte et al.

Tema 6

Brain dopamine and obesity

Gene-Jack Wang , Lancet 2001; 357: 354-57

Association between the seven –repeat allele of the dopamine 4-receptor gene (DRD4) and spontaneous food intake in pre-school children. Appetite 73 (2014)15-22

Silveira et al.

Influence of life stress on depression: moderation by a polymorphism in the 5-HTT gene

Science 2.003 vol. 301 (5631) pp. 386-9

Caspi et al. Influence of life stress

The Manhattan plot of logarythm of P-values vs. genomic coordinates for whole genome SNP markers, GWAS genome wide association study

The human microbiome

Scienceblogs.com. Scientific American.

Mind altering microorganisms : the impact of the gut microbiota on brain and behaviour.

Cryan et al. 2012

Tema 7:

AMY1 deploid gene copy number

Perry et al. Nature Genetics 39, 1256-60

Weight loss with a low carbohydrate , Mediterranean, or low fat diet.

N Engl J Med (2008) vol. 359 (3) pp 229-41

Shai et al.

Los grupos sanguíneos y la alimentación

Peter J. D'Adamo-Catherine Whitney

ABO Genotype , Blood type diet and cardiometabolic risk factors

Jingzhou Wang, Bibiana García Bailo, Daiva E. Nielsen, Ahmed El- Sohemy

Dpt. Nutritional Science. Faculty of Medicine. Toronto

January 2014 Volume 9 Issue 1 e84749

Tema 8:

Functional interactions between the gut microbiota and host metabolism

Trmaroli et al. 2012

Mind altering microorganisms : the impact of the gut microbiota on brain and behaviour.

Cryan et al. 2012

Tema 9:

Tasa de mortalidad por cáncer en USA (1950-2000) sobre 100.000 personas

Center of disease control and prevention CDC

Gene MTHFR. Folate and cardio risk

J. Nutr. 2003; 133: 1272-1280

Guinotte et al.

Concentración de ácido fólico y daño en el ADN

Mutagenesis vol 2, 4pp 255-269 (2005)

Fenech M.

Interview Prof Rima Rozen.

American Journal of clinical nutrition

August 2002

Carcinogenesis

2004 Apr ; 25 (4) :577-84

Palli et. al

GST crucíferas y càncer de pulmón

Brenan 2005 Lancet

Meta analysis – High vs. Low cruciferae intake

CEPB

Lam et al. 2009 18 (1) , 184-195

MnSOD and Breast cancer Res

2004 6 R647-R655

Cai et al.

MnSOD and Prostate Cancer Res

15 March 2005 65 (6)

Li et al.

SNPedia

Improved weight management using genetic information to personalize a calorie controlled diet

Research Nutritional Journal 2007 doi:10.1186 / 1475 - 2891 – 6 – 29

Dietary fatty acid distribution modifies obesity risk linked to the rs9939609 polymorphism of the fat and obesity associated gene in a Spanish case-control study of children.

Moleres et al. (2012)

Interacción entre grasas saturadas y gen APOA2

Corella et al. Arch. Inter. Med 2009; 169 (20):1897-906

Beta2 adrenoceptor snp , body weight, and physical activity

The Lancet vol 353 March 13 1999

Aline Merhaeghe et al.

What diet and exercise work best for your genes

Rockstarresearch.com

Low copy number of the salivary amylase gene predisposes to obesity.

Nature genetics 2014 doi:10.1038/ng.2939

Mario Falchi et al.

Obesity associated variants within FTO from long range functional connections with IRX3.

Nature 507 , 371-375 20 March 2014

Scott Smemo et al.

Tema 10:

The role of deliberate practice in the acquisition of expert performance

Psychological review 1993 vol 100 N°3 363-406

K. Anders Ericsson

The heritability of aptitude and exceptional talent across different domains in adolescents and young adults

Anna A. E. Vinkhuyzen 2009

ACTN3 gene associated with human elite Athletic performance

American Journal of Human Genetics 73, 2003 pp 627-631

Functional SNP 5-HTTLPR in the serotonin transporter gene is associated with subjective well-being : evidence from a US nationally representative sample

Genetics of emotion 2011

Laura Bevilacqua and David Godman

Trends in cognitive sciences 2011

Meta analysis of GWAS identifies 10 LOCI influencing allergic sensitization

Nature genetics 30 June 2013

Klaus Bonnelykke

Gene 6 Physical activity interactions in Obesity: Combined analysis of 111,421 individuals of European Ancestry 2013

PLOS Genetics July 2013 Vol9 Issue 7 e1003607

Shafqat Ahmad et al.

ACE insertion-deletion SNP and submaximal exercise hemodynamics in post menopausal women

J. Appl Physiol 1985

2002 Mar 92(3) 1083-8

Tema 11:

Future challenges and present ethical considerations in the use of personalized nutrition based on genetic advice 2013

Rodrigo-San Cristobal et al.

Risk of nutrigenomics and nutrigenetics? What the scientists say.

Genes Nutrition 2014 9:370

T. Hurlimann et al.

The NUGO Bioethic guidelines of Human Studies

Oslo 17 Septembe 2007

Tema 12:

Improved weight management using genètic information to personalize a calorie controlled diet

Ioannis Arkadianos, Ana M Valdes, Efstratios Marinos, Anna Florou, Rosalyn D Gill, Keith A Grimaldi.

Circulating levels of tryglicerids based on circulating levels of omega3 fats (low. vs. high) and NOS3 genotype.

Ferguson et al. Atherosclerosis . 2010; 211; 539-544

Carriers of variant C, omega 6 consumption of 6% or more of total energy intake will lead to higher levels of fasting tryglicerides .

Lai et al. 2006

Gene MTHFR. Folate and cardio risk

J. Nutr. 2003; 133: 1272-1280

Guinotte et al.

Functional genètic variants of glutathione S-transferase protect against sèrum ascorbic acid deficiency.

American Journal of clinical nutrition

2009; 90:1411-1417

