XXVIII Cursos de Verano / XXVIII. Uda Ikastaroak

XXI Cursos europeos / XXI. Europar Ikastaroak

Universidad del País Vasco / Euskal Herriko Unibertsitatea

Donostia – San Sebastián, 2009

A.3 COURSE

Frontiers in human nutrition: from molecular nutrition towards personalized obesity nutrigenomics (C)

Director:

J. Alfredo Martínez Hernández.
University of Navarra. Pamplona.

Aims:

This course aims to address the latest issues related to advances in nutrition in the era of global technologies (- OMICS) and on new foods to maintain health as well as to design personalized nutritional strategies for the treatment of obesity and other chronic diseases. Topics include the design of biomarkers for a healthy nutrition and the application of nutrigenomics on molecular nutrition. The role and claims concerning new functional foods ingredients and healthy eating is also reviewed. The description of newer methods related to genetic and nutritional screening will also be developed in this course as well as the outcomes depending on the interaction of nutrition and sedentary lifestyles with Epigenomics.

In collaboration with Instituto Tomás Pascual/Cátedra Universidad de Navarra.

Registration prices: before 31 May: 70 €. From 1 June: 84 €.

Academic validity: 30 hours.

Official language: English.

PROGRAMME

24 August

8:45 h Registration

9:00 h "Adipocyte functioning and energy balance"
KLAAS WESTERTERP.
University of Maastricht. The Netherlands.

10:00 h "Nutritional genomics of adiposse tissue"
Mª JESUS MORENO.
University of Navarra. Pamplona.

11:30 h "Linking genotype to healthy nutrition: a new challenge in obesity nutrigenomics"
AMELIA MARTI.
University of Navarra. Pamplona.

12:30 h "Nutritional metabolomics-experience from human dietary interventions"
ISABEL BONDIA.
University of Kuopio. Finland.

16:15 h "In search for nutritional biomarkers by fingerprintisng. The example of whole grain and insulin metabolism"
ISABEL BONDIA.
University of Kuopio. Finland.

17:15 h "Genetic determinants of daily physical activity and eating behaviour"
KLAAS WESTERTERP.
University of Maastricht. The Netherlands.

25 August

9:00 h "Functional foods and health claims: Miths and reality"
DIANA ANSORENA.
University of Navarra. Pamplona.

10:00 h "Role of modern food technology in developing better foods: case examples"
JEYA HENRY.
Oxford Brookes University. United Kingdom.

11:30 h "Natural Antioxidants and the Mitochondrial: are they the Panacea?"
PATRICIA PÉREZ-MATUTE.
University of Navarra. Pamplona.

12:30 h "Glycemic index & health current issues & implications"
JEYA HENRY.
Oxford Brooks University. United Kingdom.

18:30 h "Cutting-Edge advances in obesity research"
J. ALFREDO MARTÍNEZ HERNÁNDEZ.
University of Navarra. Pamplona.

19:30 h "Round table: "From laboratory to the table: cooks and scientists"
MARIAN ZULET.
ICIAR ASTIASARÁN.
MARTA CUERVO.
University of Navarra. Pamplona.
JUAN MARI ARZAK.
Restaurante Arzak. Donostia-San Sebastiaán.
PEDRO SUBIJANA.
Restaurante Akelarre. Donostia-San Sebastiaán.
MARTIN BERASATEGUI.
Restaurante Martin Berasategui. Donostia-San Sebastiaán.

26 August

9:00 h "Some methodological aspects in nutricional and genetic epidemiology of obesity"
M. ANGEL MARTÍNEZ-GONZÁLEZ.
University of Navarra. Pamplona.

10:00 h "Nutrition and epigenomics: how the genome learns from experience"
JOHN MATHERS.
University of Newcastle. United Kingdom.

11:30 h "Genetic Methods in Nutrition Research"
JAVIER CAMPIÓN.
FERMÍN MILAGRO.
University of Navarra. Pamplona.

12:30 h "Research on appetite and Food Intake"
ANGELO CONTARINO.
University of Bordeaux. France.

16:15 h "Epigenetic mechanisms linking nutritional exposure with risk of obesity"
JOHN MATHERS.
University of Newcastle. United Kingdom.

17:15 h "Living recombinant microorganisms as a drug delivery system to the gut"
MONIQUE ALRIC.
University of Auvergne. France.