



# Precision nutrition and nutriomics



**Mar. 11 - Mar. 12 2025**

**Kod. 041-25**

**Mod.:**

Online zuzenean

**Edizioa**

2025

**Jarduera mota**

Workshop

**Data**

Mar. 11 - Mar. 12 2025

**Kokalekua**

Online zuzenean

**Hizkuntzak**

Ingelesa Gaztelera

**Balio akademikoa**

20 ordu

**Antolakuntza Batzordea**



## Azalpena

This austral summer course focuses on developing topics in nutrition and health with emphasis on personalized (individualized) and precision (multifactorial) nutrition. Topics will include original presentations of nutrition-related scientific data on topics related to chronic diseases such as obesity, diabetes, cardiometabolic disorders and cancer. In addition, the course program will include a series of keynote presentations on personalized nutrition and nutriomics topics by international scientists and researchers emphasizing the applications of precision nutrition supported by genomic, epigenetic, transcriptomic, metagenomic and metabolomic methods and their bioinformatics integration for their application in the nutrition-health relationship.

### ORGANIZING COMMITTEE

- J. Alfredo Martínez, IMDEA Alimentación
- Lidia Daimiel, IMDEA Alimentación
- Alberto Dávalos, IMDEA Alimentación
- Moisés Laparra, IMDEA Alimentación
- Begoña de Cuevillas, IMDEA Alimentación
- M. Puy Portillo, University of the Basque Country
- Sergio Polakof, University of Clermont-Auvergne
- Louis Pérusse, Laval University
- David M Mutch, University of Guelph
- Rosita Gabbianelli, Università degli Studi di Camerino
- Ana Laura de la Garza, Autonomous University of Nuevo León
- Karina dos Santos, Federal University of Rio de Janeiro
- Fermín Milagro, University of Navarra, Spain
- Silvia Lorente, University of Navarra

**Executive Secretary:** Begoña de Cuevillas

### Helburuak

This austral summer course aims to cover the following objectives:

1. Introduction to the applications of omics methodologies (genomics, epigenetics, transcriptomics, metagenomics and metabolomics) for their application for healthy metabolism and precision nutrition.
2. Presentation of precision nutrition and nutriomics research by young researchers, doctoral students and young postdocs.
3. Development of current topics by prestigious nutritionists for their implementation in health maintenance as well as in the prevention and treatment of chronic metabolic diseases.

### Antolakuntza



## Zuzendaritza



### **J. Alfredo Martínez**

IMDEA Alimentación, Universidad de Valladolid y RINN22

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Doctor in Nutrition, as well as a pharmacist and medical degree. He has been Professor of Nutrition at the University of Navarra and currently at the University of Valladolid. He is director of the Precision Nutrition Program at IMDEA Alimentación and has participated in several nutritional trials (12 projects) of reference in the EU, such as DIOGENES, SEAFOODplus, NUGENOB, FOOD4ME, STOP, PREVIEW and SWEET, and in national consortia such as PREDIMED and CIERobn, whose results and conceptual contributions have been published in the most relevant medical and scientific journals, such as NEJM, Lancet, Nature Endocrinology, BMJ, AJCN, Circulation, JAMA, Obesity Reviews, etc. , with more than 35,000 citations. He has supervised more than 90 doctoral theses and has published more than 950 articles in the areas of Obesity, Nutrition and Nutritional Epidemiology, including precision nutritional omics (Factor H > 115). He has been president of the International Union of Nutritional Sciences (IUNS) and has received several major awards, including the Hippocrates and Dupont awards.



### **Maria Puy Portillo Baquedano**

UPV/EHU

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# **Kokalekua**

## **Online zuzenean**

Online zuzenean