

Specialization: genomics- microbiome in health, sports, and precision nutrition



Integrate precision tools into your practice with new training in genomic and microbiome analysis applied to precision nutrition and health, sports performance, circadian health, lifestyle, and evolution.

20.Apr - 05.Jun 2026

Cod. 014-26

Mod.:

Streaming

Date

20.Apr - 05.Jun 2026

Location

Live online

Languages

Spanish

Academic Validity

60 hours

Horario lectivo de la actividad para profesionales de la enseñanza

60 hours

Description

This 6-credit online Specialisation provides technical and applied Genomic and Microbiome Analysis training for professionals interested in Precision Nutrition and Health, Sports Performance, and Circadian Health.

The course addresses the molecular foundations of genomic and microbial variability, the evolutionary perspective, and the interpretation and application of Omics reports in real-life contexts. It is accessible and practical, requiring no prior knowledge of genetics or bioinformatics. The approach integrates live lectures, case studies, digital resources, and critical analysis of scientific evidence. Participants will develop skills to incorporate these data into personalised interventions for precision health and nutrition, sports performance, and circadian health.

Objectives

Understand the fundamentals of genomics and the microbiome as applied to health, nutrition, athletic performance, evolution, and biological rhythms.

Interpret genomic and microbiome reports issued by laboratories and apply them in professional practice

Critically evaluate the methodological quality of scientific studies and omics analyses.

Use bioinformatics databases and resources to search, analyse, and contextualise genetic and microbiome information.

Design personalised intervention strategies to integrate omics data and precision health criteria.

Organised by



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MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Plan de Recuperación,
Transformación y Resiliencia



GOBIERNO VASCO

Direction



Adrián Odriozola Martínez

University of the Basque Country, Teaching and Research Staff

Professor of Genetics at the University of the Basque Country (UPV/EHU). PhD in Biochemistry. Extraordinary Doctorate Award from the UPV/EHU. Euskadi Innovation Award. Director of the Hologenomiks Research Group in the Department of Genetics at the UPV/EHU. Professor of Genetics and Microbiome in Nutrition, Health, and Sport at various Spanish and American universities. Inventor of eight national and international patents in Human Genetics and Microbiome. Author of articles and books published in internationally renowned journals in this field. Experienced in entrepreneurship and knowledge management in the biosciences.

Teachers



Adrián Odriozola Martínez

University of the Basque Country, Teaching and Research Staff

Professor of Genetics at the University of the Basque Country (UPV/EHU). PhD in Biochemistry. Extraordinary Doctorate Award from the UPV/EHU. Euskadi Innovation Award. Director of the Hologenomiks Research Group in the Department of Genetics at the UPV/EHU. Professor of Genetics and Microbiome in Nutrition, Health, and Sport at various Spanish and American universities. Inventor of eight national and international patents in Human Genetics and Microbiome. Author of articles and books published in internationally renowned journals in this field. Experienced in entrepreneurship and knowledge management in the biosciences.

Registration fees

If the microcredential has already started there will be no refund of the enrolment fee.

| REGISTRATION | UNTIL 16-04-2026 |
|--------------|------------------|
| General | 169,59 EUR |

Place

Live online

Live online