



# From Personalized Nutrition to Precision Nutrition



**05.Sep - 06.Sep 2023**

**Cod. 014-23**

**Mod.:**  
Streaming

**Edition**  
2023

**Activity type**  
Summer course

**Date**  
05.Sep - 06.Sep 2023

**Location**  
Online Course

**Languages**  
Spanish English

**Academic Validity**  
20 hours

## Organising Committee



## Description

**This Summer Course will be held online and will be broadcast between 16:00-20:30 in the afternoon to facilitate the attendance of Latin American students.**

The main aim of this course is to define the characteristics of Personalized Nutrition and Precision Nutrition, explaining and detailing the differential nuances between both concepts. In addition, the course develops the integrative analysis of precision variables (age, sex, body phenotype, habitual dietary intake, physical activity levels and lifestyle) together with personalized issues (genetic background, epigenetic signatures, microbiota composition, gene expression profiles and metabolomic fingerprints) and their influence on the prescription of more individualized treatments, seeking to improve the nutritional and medical management of metabolic diseases of different etiology and the role of bioactive agents.

The course will include lectures by different national and American experts, specialists in various areas of application of Precision Nutrition, who will show the current and future uses and utilities.

## Objectives

Show and explain the criteria of Precision Nutrition (multifactorial, integrative and holistic) showing the differentiating nuances with Personalized Nutrition (singular and individualized).

To show and explain the current and potential applications that personalized nutrition can have in the treatment and prevention of different diseases such as Cancer, Cardiovascular Diseases, Liver Diseases, Diabetes, Metabolic Syndrome, Systemic Autoimmune Diseases, etc.

## In collaboration with



RINN22



RINN22



OSASUN SAILA  
DEPARTAMENTO DE SALUD



# Program

## 05-09-2023

15:45 - 16:00	Registration
16:00 - 16:30	“ Omics application for obesity management “ <b>Alfredo Martinez</b> ---   IMDEA Alimentación, Madrid - Director
16:30 - 17:00	“Holistic integration of liver assessment through omics “ <b>Oscar Omar Ramos-López</b>   Universad Autónoma de Baja California, US - Docente investigador
17:00 - 17:30	“Nutrigenomics in cardiovascular diseases “ <b>Lidia Daimiel</b>   IMDEA Alimentación, Madrid - Jefa de grupo
17:30 - 18:00	“Gene and microbiome interactions“ <b>Amanda Cuevas</b>   IMDEA Alimentación, Madrid - Post Doc
18:00 - 18:30	Break
18:30 - 19:00	“ Nutrigenetic tests “ <b>Karina Dos Santos</b>   Universidad Rio de Janeiro, Brasil - Docente
19:00 - 19:30	“Precision nutrition in obesity“ <b>Esther Alhelí Hernández Tobias</b>   Universidad Autónoma de Nuevo León, México - Docente e investigadora
19:30 - 20:00	“Emerging Trends in Statistical Methods for Precision Nutrition“ <b>Victor de la O</b>   IMDEA Alimentación, Madrid - Post Doc
20:00 - 20:30	“Precision Nutrition to prevent diabetes “ <b>Magdalena de Sevilla</b>   Harvard Univerity, US - Post Doc

## 06-09-2023

16:00 - 16:30	“ Cardiometabolic insights of TMAO for precision nutrition “ <b>Brian Bennett</b>   USDA, US - Research Head
16:30 - 17:00	“Epigenetics signatures in exercise “ <b>Karina González Becerra</b>   Universidad de Guadalajara, México - Profesora adjunta
17:00 - 17:30	“Roles for miRNAs in precisión Nutrition“ <b>Alberto Davalos</b>   IMDEA Alimentación, Madrid - Jefe de grupo

17:30 - 18:00	<p>“Possible nutrigenomic tools from plants matrices”</p> <p><b>Diego García Díaz</b>   Universidad de Chile, Chile - Doctor e investigador</p> <hr/>
18:00 - 18:30	<p>“Food bioactive compounds and Personalized Nutrition”</p> <p><b>María del Carmen López de las Hazas Mingo</b>   IMDEA Alimentación, Madrid - Investigadora</p> <hr/>
18:30 - 19:00	<p>“Impact of fatty acids in fecal microbiota”</p> <p><b>Ana Laura de la Garza Hernández</b>   Universidad Autónoma de Nuevo León. México - Docente e investigadora</p> <hr/>
19:00 - 19:30	<p>“ Hormonal regulation in precision diabetes management “</p> <p><b>Zhipeng Tao</b>   Harvard Medical School, US - Reserch fellow</p> <hr/>
19:30 - 20:00	<p>“Food additives for Gene regulation in cardiac remodelling “</p> <p><b>Bradley S Ferguson</b>   University of Nevada, US - Associate Profesor</p> <hr/>
20:00 - 20:30	<p>“Nutritional Cardiometabolic programming”</p> <p><b>Jane Di Natale</b>   University of Alabama, US - Post Doc</p> <hr/>

**Directed by**



**Alfredo Martinez ---**

IMDEA Alimentación y Universidad de Valladolid

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## Teachers



**Brian Bennett**

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**Amanda Cuevas**

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**Lidia Daimiel**

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**Alberto Davalos**

IMDEA Food Institute

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**Ana Laura de la Garza Hernández**

Universidad Autónoma de Nuevo León.

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**Victor de la O**

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**Magdalena de Sevilla**

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**Jane Di Natale**

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**Karina Dos Santos**

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**Diego García Díaz**

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**Karina González Becerra**

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**Esther Alhelí Hernández Tobias**

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**María del Carmen López de las Hazas Mingo**

Fundación IMDEA Alimentación

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**Oscar Omar Ramos-López**

Universidad Autónoma de Baja California, Profesor

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**Zhipeng Tao**

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**Bradley S Ferguson**

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## Registration fees

LIVE ONLINE	UNTIL 31-05-2023	UNTIL 05-09-2023
<a href="#">joug fee</a>	25,00 EUR	59,00 EUR
General	-	84,00 EUR
<a href="#">Reduced fee regular</a>	-	71,00 EUR
<a href="#">Registration exemptions</a>	-	59,00 EUR
<a href="#">Health, a commitment with people</a>	-	21,00 EUR
<a href="#">INVITED OSAKIDETZA</a>	-	0 EUR
<a href="#">Members of ASAN or RINN</a>	-	25,00 EUR
<a href="#">INVITADOS</a>	-	0 EUR

## **Place**

### **Online Course**

Online