

Monday, March 10, 2024 (IMDEA Nutrihealth)

Current Methodologies in Precision Nutrition and Nutriomics (ISNN Satellite)

15:00-15:25 Current methods and applications of HPLC mass metabolomics in precision nutrition. *Alberto Valdés*. Institute of Food Science Research – Spanish National Research Council (CIAL-CSIC).

15:25-15:50 Current methods and applications of NMR metabolomics in precision nutrition. *Nuria Amigó*. Biosfer Testlab.

15:50-16:00 QUESTIONS

16:00-16:25 Current methods and applications of exome analyses in precision nutrition. *Ricardo Ramos*. IMDEA Nutrihealth.

16:25-16:50 Current methods and applications of nutrigenetics in precision nutrition. *Marta Alonso*. ADNTRO Genetics.

16:50-17:00 QUESTIONS

17:00-17:25 Research in pediatric obesity. *Begoña de Cuevillas*. IMDEA Nutrihealth.

17:25-17:50 Current methods and applications of cell cultures in precision nutrition. *Alberto Díaz* and IZASA. IMDEA Nutrihealth/IZASA.

17:50-18:00 QUESTIONS

18:00-18:30 BREAK

18:30-18:55 Current methods and applications of the metagenomics in precision nutrition (I). *Laura J. Marcos*. IMDEA Nutrihealth.

18:55-19:20 Current methods and applications of artificial intelligence in precision nutrition. *Gonzalo Colmenarejo*. IMDEA Nutrihealth.

19:20-19:30 QUESTIONS

19:30-19:55 Multiomics screening. *Metehan Cifdaloz*. Novogene Europe.

19:55-20:20 Epigenetic signatures methodologies. *Carmen Ivorra*. SeqPlexing S.L.

20:20-20:30 QUESTIONS

Tuesday, March 11, 2024 (morning)

CTPIOD / UPV (Carlos Santamaría Building)

09:00-09:30 Immunomics in nutrition. *Moisés Laparra*. IMDEA Nutrihealth.

09:30-10:00 Current methods and applications of Seahorse technology in precision nutrition. *María Ikonomopoulou*. IMDEA Nutrihealth.

10:00-10:30 Current methods and applications of metagenomics in precision nutrition. *Ben Constant*. Owlstone Medical Ltd.

10:30-11:00 BREAK

11:00-14:00 Brief oral presentations (annexed at the end)

14:00-15:00 BREAK

Tuesday, March 11, 2024 (afternoon)

UPV Miramar + RINN22 + NUGO (Online)

15:00-15:25 Epigenetic clocks and dietary lifestyle. *Rosita Gabbianelli*. Università degli Studi di Camerino, Italy (ISNN).

15:25-15:50 Precision nutrition in obesity: the role of metabotypes. *Ellen Blaak*. Maastricht University, Netherlands (ISNN).

15:50-16:00 QUESTIONS

16:00-16:25 Chrononutrition for precision feeding. *Bárbara Vizmanos*. University of Guadalajara, Mexico (RINN22).

16:25-16:50 Precision nutrition for women's health. *Karina dos Santos*. Federal University of Rio de Janeiro, Brazil (RINN22).

16:50-17:00 QUESTIONS

17:00-17:25 Implications of epigenetics for human obesity. *Omar Ramos*. Autonomous University of Baja California, Mexico (RINN22).

17:25-17:50 Maternal nutrition programming of the offspring. *Ana Laura de la Garza*. Autonomous University of Nuevo León, Mexico (RINN22).

17:50-18:00 QUESTIONS

18:00-18:30 BREAK

18:30-18:55 Handling the complexity of (poly)phenol metabolism to improve cardiometabolic health. *Pedro Mena*. University of Parma, Italy.

18:55-19:20 Personalized nutrition in severe hypertriglyceridemia. *José L. Santos*. Pontifical Catholic University of Chile, Chile (RINN22).

19:20-19:30 QUESTIONS

19:30-19:55 Current methods and applications of the metagenomics in precision nutrition (II). *Amanda Cuevas*. IMDEA Nutrihealth.

19:55-20:20 Plant microRNAs as regulators of gene expression. *Silvia Lorente.* University of Navarra, Spain (RINN22 + CTPIOD).

20:20-20:30 QUESTIONS

Wednesday, March 12, 2024 (morning)

CTPIOD / UPV (Carlos Santamaría Building)

09:00-09:30 The history of a resveratrol dimer, namely ϵ -viniferin: From the plant to its biological activities useful for human health. *Arnaud Courtois.* University of Bordeaux, France (CTPIOD).

09:30-11:00 CTPIOD oral presentations.

11:00-11:30 BREAK

11:30-13:30 CTPIOD oral presentations.

13:30-14:00 Polyphenols intake implications on health. *Begoña Muguerza.* University Rovira y Virgili, Spain (RINN22 + CTPIOD + CIBEROBN).

14:00-15:00 BREAK

Wednesday, March 12, 2024 (afternoon)

UPV Miramar + RINN22 + NUGO (Online)

15:00-15:25 Lifestyle genomics. *David M. Mutch.* University of Guelph, Canada (ISNN).

15:25-15:50 Genetic epidemiology. *Louis Pérusse.* Laval University, Canada (ISNN).

15:50-16:00 QUESTIONS

16:00-16:25 Lipidomic changes induced by arthritis and the effects of omega-3. *Frederic Capel.* University of Clermont-Auvergne, France (CTPIOD).

16:25-16:50 Nutrigenetics of cardiovascular disease/miRNomics in cardiovascular disease. *Maria Elizabeth Tejero.* National Institute of Genomic Medicine, Mexico (ISNN + CTPIOD).

16:50-17:00 QUESTIONS

17:00-17:25 Omics exploration of postprandial metabolism and cardiometabolic risk. *Sergio Polakof.* University of Clermont-Auvergne, France (NUGO).

17:25-17:50 Novel study designs and modeling approaches in human precision nutrition research. *Baukje De Roos.* University of Aberdeen, Scotland (NUGO).

17:50-18:00 QUESTIONS

18:00-18:30 BREAK

18:30-18:55 Transcriptomics applications in precision nutrition. *Alberto Dávalos.* IMDEA Nutrihealth, Spain (RINN22 + CIBEROBN).

18:55-19:20 Epigenetic applications in precision nutrition. *Lidia Daimiel.* IMDEA Nutrihealth, Spain (CIBEROBN).

19:20-19:30 QUESTIONS

19:30-19:55 Epigenetic Benefits and Mechanisms of Regular Physical Activity in Metabolic Disease Management. *Elisa María Barrón*. Universidad Autónoma de Sinaloa.

19:55-20:20 The interaction between genetic polymorphisms in FTO, MC4R, CLOCK, GHSR, GHRL, LEP, LEPR, RETN, and ADIPOQ genes with meal frequency on anthropometric, metabolic and hormonal indicators: a randomized nutrigenetic trial with obese women. *Eliane Lopes Rosado*. Federal University of Rio de Janeiro

20:20-20:30 QUESTIONS

Note: English, virtual (online), time CET.

ANEXE

Name	Affiliation	Topic
Cristina Ramírez	IMDEA Alimentación	Post translational control of metabolism
Pedro Mena	Parma	Polyphenol metabotypes
Astudillo/López González	Colombia	Polyphenols and inflammation
Thais Steemburgo/Horn	Brazil	Cancer and nutrigenetics
Hermsdorff/Martins	Brazil	
Garza/Anael Mellado Negrete	Tec de Monterrey, Mexico	Nutritional scores and metabolic diseases
Do Santos/Bittencourt	Brazil	FTO Polymorphism
Eliane Lopes/Leysimar Siais	Brazil	- Relationship between intake of total lipids and saturated fatty acids and the composition of the intestinal microbiota in women with severe obesity.
Alberto Ángel Martín	Universidad de Santander - Colombia	Precision Nutrition - Fruta tropical
Josefina Bressan/Bevenuto	Brazil	Dietary patterns in Brazil
Marta Silvestre	Nova Lisboa	Gut microbiota and obesity
Victor de la O	IMDEA Alimentación	Folic acid recommendations with genetics
Roxana Fernández/Milagros Arguedas	UNIFE Perú	Macronutrients needs in the Antarctic
Roxana Fernández/Gabriela Vera	UNIFE Perú	Antioxidants capacity related to polyphenols
Elisa Barrón/Melissa Vega	Universidad de Guadalajara, México	Genetic and sex differences in MAFDL
Elisa Barrón/ Carolina Gabriela Plazas Guerrero	Universidad de Guadalajara, México	Is the Dieta de la Milpa an alternative dietary pattern for end-stage renal disease patients on hemodialysis?
Karina González/Itzel Zamudio	Universidad de Guadalajara, México	Dyslipidemia and lifestyle
Nicoletti/Beatriz García de Carballo	USP Brazil	Telomere length in patients with systemic lupus erythematosus in different nutritional statuses
Ulises Mosso/Bertha Campus	Universidad de Guadalajara, México	Hipovitaminosis D in autoimmune diseases
Bárbara Vizmanos/Erika Sierra	Universidad de Guadalajara, México	Can dietary antioxidants and TNF- α genetic variants help control insulin in obesity?