



NuGOweek2022

29 Aug – 1 Sep 2022 · Tarragona, Spain

Food bioactives for disease prevention – From mechanisms to chrononutrition

Campus Catalunya Universitat Rovira i Virgili – Aula Magna

Monday 29th of August 2022

14:00 **Registration** (*Aula Magna Hall*)

16:00 **Welcoming words**

16:15 **Prof. Henrik Oster**, Institute of Neurobiology, University of Lübeck, DE

A time to fast, a time to feast - on the circadian regulation of energy intake and metabolism

17.00 **Introduction to New NuGO members**

Prof. Carsten Carlberg, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, PL

Precision nutrition by vitamin D

17:30 **ECN short presentation and Launching Frontiers for young Minds**

18:00 **Welcome reception** (*Campus Square*)

19:15 **Bus departure to ECN social event for the NuGO week participants** from the main entrance of the Campus. The beach is 35-40 minutes' walk from the campus.

19:30-21:00 **Early Career Network social event: beach volley tournament.** (*Arrabassada Beach*)



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Tuesday 30th of August 2022

Session 1: New insights in the activity of food bioactive compounds

(Chairs: Dr. Manuel Suarez, Prof. Rosita Gabbianelli)

9:00 **Prof. Yves Desjardins**, Institute of Nutrition and Functional Food, Laval University, CA

The (poly)phenol/gut microbiota conundrum: Towards new insights on (poly)phenols mode of action

9:45 **Florijan Jalsevac**, MoBioFood Research Group, Departament Bioquímica i Biotecnologia, Universitat Rovira i Virgili, SP

Protective Effect of Grape-Seed Derived Procyanidin (GSPE) Against Ageing and Cafeteria Diet on the Expression of Bitter Taste Receptors in Rat Intestine

10:00 **Dr. Annalisa Terranegra**, Laboratory of Precision Nutrition - Mother and Child Health Division, Sidra Medicine, QA

Modulation of Gut Microbiota: the effects of a Fruits and Vegetables Supplement

10:15 *Coffee break (Campus Square)*

10:45 **Prof. Timothy (Ted) Dinan**, University College Cork, IR

The Psychobiotic Revolution: Mood, Food, and the New Science of the Gut-Brain Connection

11:30 **Francesca Accardo**, Department of Food and Drug, University of Parma, IT

Molecular composition of protein fraction of almond, beef and lesser mealworm after in vitro simulated gastrointestinal digestion and correlation with the hormone-stimulating properties of the digesta

11:45 **Prof. Joan Ribot**, Universitat de les Illes Balears, SP

Combined beta-carotene and metformin treatment against obesity and obesity co-morbidities in mice

12:00 **Dr. Christine Feillet-Coudray**, Muscular Dynamics and Metabolism Unit, INRAE, FR

Health effects of uncommon fatty acids in the diet: focus on FAHFAs and FuFAs

13:00 *Lunch break (Campus cafeteria, please bring the vouchers provided at the registration desk)*

14:00 **Poster Session 1: Food bioactive compounds and Precision Nutrition.** Room: Sala de Juntes, first floor



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Session 2: Precision Nutrition

(Chairs: Prof. Lorraine Brennan, Baukje de Roos)

15:00 **Dr. Josep M. del Bas**, EURECAT — Technology Centre of Catalonia, ES

PREVENTOMICS: Empowering consumers to prevent diet-related diseases through omics sciences.

15:45 **Anouk Gijbels**, Human Nutrition and Health, Wageningen University and Research, NL

Precision Nutrition By Modulating Diets According To Tissue-Specific Insulin Resistance Phenotypes Improves Cardiometabolic Health: The PERSON Study

16:00 **Dr. Elaine Hillesheim**, University College Dublin, IR

Personalised Nutrition Delivered Using a Metabotype Approach Improves Diet Quality and Lipid Profile: A Randomized Controlled Trial

16:15 *Coffee break (Campus Square)*

16:45 **Photo shoot with all attendees of the conference (Campus Square)**

17:00 **Prof. Bruce Y. Lee**, Health Policy and Management at the City University of New York, USA

Role of systems modelling approaches in Precision Nutrition

19:00-20:30 **Guided tour Roman Tarraco (Meeting point : Main Entrance Campus Catalunya)**



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Wednesday 31st of August 2022

Session 2 (con.): Precision Nutrition

(Chairs: Prof. Lorraine Brennan, Dr. Lydia Afman)

9:00 **Dr. Lydia Afman**, Human Nutrition and Health, Wageningen University and Research, NL

Precision Nutrition for Metabolic Health

9:45 **Dr. Federico Bernuzzi**, Quadram Institute BioSciences, UK

The Effect of Dietary Bioactives on Gut Microbiome Diversity (DIME)- A pilot study

10:00 **Lisa Smeehuijzen**, Human Nutrition and Health, Wageningen University and Research, NL

Exploring immune cell metabolism to identify hallmarks of healthy versus unhealthy obesity

10:15 *Coffee break (Campus Square)*

Session 3: Biomarkers and disease — strategies, discoveries and new trends from omics data

(Chairs: Prof. Jaap Keijer, Prof. Catalina Picó)

10:45 **Dr. Jean-Charles Martin**, Centre for CardioVascular and Nutrition, INRAE, FR

Multiplexed biomarkers as a powerful tool to integrate heterogeneous data: application in disease and nutritional status prediction

11:30 **Dr. Ana María Rodríguez Guerrero**, University of the Balearic Islands, ES

Liver metabolomics reflects the ability of leptin supplementation during lactation to counteract metabolic malprogramming



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11:45 **Dr. Atanaska Doncheva**, University of Oslo, NO

Perilipin 2 regulates hepatic lipid content and lipid droplet size during fasting

12:00 **Prof. Paula Oliver**, Laboratory of Molecular Biology, Nutrition and Biotechnology, University of the Balearic Islands, ES

Blood cell transcriptomic biomarkers for obesity prevention

13:00 *Lunch break* (Campus cafeteria, please bring the vouchers provided at the registration desk)

14:00 **Poster session 2: Biomarkers and Disease and Chrononutrition.** Room: Sala de Juntes, first floor

15:00 **Dr. Xavier Domingo-Almenara**, Omics Sciences Unit, EURECAT-Technology Centre of Catalonia, ES

Driving biological discovery with computational metabolomics and systems biology

15:45 **Vera Plekhova**, Ghent University, BE

Customized Sampler for Direct Non-invasive Metabotyping of Biofluids in Pediatric Obesity

16:00 **Dr. Stefania Noerman**, Chalmers University of Technology, SE

Discovery of metabolite biomarkers of meat consumption and their association with incident type 2 diabetes in a Swedish population-based cohort

16:15 *Coffee break and time to NETWORK!*

20:00 **Castellers exhibition** (*Les Cols square*)

20:30-22:00 **GALA DINNER** at [CASA JOAN MIRET](#) (ticket required!) with **Best NuGO Poster Award** sponsored by [Methods and Protocols](#)



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Thursday 1st of September 2022

Session 4: Chrononutrition: giving rhythm to the metabolism

(Chairs: Dr. Begoña Muguerza, Prof. Michael Müller)

9:00 **Dr. Anna Arola Arnal**, Nutrigenomics Research Group, Universitat Rovira i Virgili, ES

Interaction of biological rhythms and dietary phenolic compounds

9:45 **Iván Escobar-Martínez**, Universitat Rovira i Virgili, ES

Biological rhythms affect the bioavailability of phenolic compounds from grape seed proanthocyanidins extract in healthy and obese fischer 344 rats

10:00 **Francesca Manocchio**, Universitat Rovira i Virgili, ES

Effect of Seasonal Phenolic-rich Fruit Extracts on the Regulation of Metabolic Homeostasis

10:15 **Dr. Lu Li**, Simula Metropolitan Center for Digital Engineering, NO

Analyzing postprandial metabolomics data using multiway models: A simulation study

10:30 *Coffee break (Campus Square)*

11:00 **Dr. Olga Ramich**, German Institute of Human Nutrition Potsdam-Rehbrücke (Dife), DE

Meal timing: what to eat and when to eat

11:45 **Best NuGO ORAL award** sponsored by [Nutrients](#)

12:00 **NuGO week 2023 by Rosita Gabbianelli and closing words**

End of the NuGO week 2022!

See you soon again in one of NuGO or ECN webinars



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