

USEFULNESS OF DIETARY BIOACTIVE COMPOUNDS AND PROBIOTICS IN PROMOTING HEALTH

November 12th, 2024

The **ABC** Day

Active BioCompound

MEETING LINK (Teams-Microsoft)

Click here!

→ [The ABC Day - Workshop](#)

SCIENTIFIC PROGRAM

The schedule is in GMT+1 time zone; one hour earlier in Portugal

WORKSHOP PRESENTATION (10:30-10:45)

ROUND TABLE 1. CLINICAL STUDIES IN POLYPHENOL RESEARCH (10:45-11:40)

Chairpersons: Dr. Stéphanie Krisa and Dr. Arnaud Courtois (University of Bordeaux)

1. Physiological relevance of an innovative ex vivo clinical approach for the evaluation of bioactives compounds' health benefits

Dr. Yohann Wittrant (Researcher). Human Nutrition Unit UMR 1019 INRAE, Université Clermont Auvergne / Clinic'n'Cell, France.

2. Clinical study on the bioavailability of polyphenols in a grape and blueberry extract

Dr. Adeline Vignault (Researcher). R&D Health and Nutrition, Activinside / University of Bordeaux, France.

ROUND TABLE 2. POLYPHENOLIC COMPOUNDS IN INFLAMMATION AND METABOLIC DISEASES (11:40 – 13:05)

Chairperson: Dr. Marisa Freitas and Dr. Carina Proença (University of Porto)

1. Targets for natural compounds in obesity

Paulo Matafome (Auxiliary Professor). Polytechnic University of Coimbra, Portugal.

2. A novel approach to address hepatic insulin resistance and inflammation with quercetin liposomes

Dr. Sónia Rocha (Researcher) – LAQV/REQUIMTE- Faculty of Pharmacy of University of Porto, Portugal.

3. Synthesis and evaluation of novel polyhydroxylated bis-chalcones as potential COX-2 selective inhibitors

Rui Pereira (PhD student) – Faculty of Pharmacy of University of Porto, Portugal.

4. Myricetin inhibits osteosarcoma progression in vitro and in vivo

Isabela Santos (PhD student) - Faculty of Pharmacy of University of Porto, Portugal.

LUNCH BREAK (13:05-14:10)

ROUND TABLE 3. POLYPHENOLS AND CHRONOBIOLOGY (14:10 – 15:30)

Chairperson: Dr. Enrique Calvo (University of Rovira i Virgili)

1. Snack timing and circadian clock rhythmicity of white adipose tissue in healthy and obese rats: the role of proanthocyanidins as a zeitgebers

María García-Martínez (Ph.D. Student) - University of Rovira i Virgili, Spain

2. Biological rhythms and gut microbiota: impact on (poly)phenols bioactivity

Dr. Cristina Torres-Fuentes (Full Profesor) - University of Rovira i Virgili, Spain

3. Time-of-Day Dependent Effects of Grape Seed (Poly)phenols Extract (GSPE) in Treating Diet-Induced Non-Alcoholic Fatty Liver Disease (NAFLD) in Obese Rats

Dr. Antonio Cortes-Espinar (Researcher) - University of Rovira i Virgili, Spain

4. Photoperiod and sex effects on serum bioavailability of polyphenols enriched fruits extracts in obese Fischer 344 rats

Saioa Gómez-Roncal (Ph.D. Student) - University of Rovira i Virgili, Spain

ROUND TABLE 4. FOOD EXTRACTS AND PROBIOTICS AGAINST OBESITY AND FATTY LIVER (15:30 - 16:45)

Chairperson: Dr. Itziar Eseberri (University of the Basque Country)

1. Anti-inflammatory effects of Opuntia extracts in the prevention of steatosis in a murine model of diet-induced liver damage.

Irene Besné-Eseverri (PhD student). Nutrition and Obesity group. Faculty of Pharmacy. University of the Basque Country, Spain.

2. Screening of the potential anti-obesity effects of three different microalgae extracts

Helen Carr-Ugarte (PhD student). Nutrition and Obesity group. Faculty of Pharmacy. University of the Basque Country, Spain.

3. Comparative effects of viable Lactobacillus rhamnosus GG and its heat-inactivated paraprobiotic in the prevention of high-fat high-fructose diet-induced non-alcoholic fatty liver disease in rats

Laura Arellano-García (PhD student). Nutrition and Obesity group. Faculty of Pharmacy. University of the Basque Country, Spain.

4. Lipolytic effects of Opuntia extracts dietary supplementation. A comparison between epididymal and subcutaneous adipose tissue from rats fed an obesogenic diet

Iker Gómez-García (PhD student). Nutrition and Obesity Group. Faculty of Pharmacy. University of the Basque Country, Spain.

CLOSING (16:45 – 17:00)