

POSSIBILITY OF INCORPORATING ERASMUS STUDENTS IN THE RESEARCH GROUPS

- ✓ IP: Carolina Estarellas (cestarellas@ub.edu).
 - Estudi de la relació estructura-activitat d'AMPK per desenvolupar nous fàrmacs per la diabetes tipus II, mitjançant eines computacionals. (Study of the structure-activity relationship (SAR) of AMPK to design new drugs against type II diabetes, by means of computational techniques)
 - Disseny d'inhibidors de la trimethylamine-lyase (CutC) implicada en la síntesi de metabòlits de la microbiota intestinal (Design of inhibitors of trimethylamine-lyase CutC involved in the synthesis of metabolites at the gut microbiota)

- ✓ IPS: Joana Relat: jrelat@ub.edu / Silvia Canudas: silvia.canudas@ub.edu
Nutritional Cell Signaling Research Team: Deeper understanding of the molecular mechanisms underlying the diet effects on aging and obesity.
 - Study of the communication between diet, food and nutrients, their metabolites, and our genome, particularly interested in the study of response mechanisms to metabolic signals from genes that control fatty acid oxidation and ketogenesis.
 - The impact of food components or specific dietary patterns on gene expression and metabolic homeostasis.
 - Molecular mechanisms underlying the health effects of nutraceuticals/bioactive compounds to counteract obesity and metabolic diseases.
 - Study of the effect of diet and lifestyle on cellular aging parameters and telomere biology. Effects of diet in relation to healthy aging.

- ✓ IPS: Dra. Cecilia Fernandez Lastra (ceciliafernandez@ub.edu) i Dra. Pilar Modamio Charles (pmodamio@ub.edu)
Grup de Recerca: Farmàcia Clínica i Farmacoteràpia (FCFT). Disponible a:
https://www.ub.edu/web/ub/ca/recerca_innovacio/recerca_a_la_UB/grups/fitxa/F/FAR_MACLI/index.html
 - Farmàcia Clínica, Atenció Farmacèutica, Farmàcia Assistencial.

- ✓ IP: Jordi Sierra: sierra@ub.edu
 - Microplastics in the environment: analysis and effects on health and Ecosystems

- ✓ IP: Dr. M. Lluïsa Perez García (mlperez@ub.edu)
 - Organic and supramolecular chemistry, nanomaterials for biomedical applications

- ✓ IP: Thais Fedatto Abelha (fedatto@ub.edu)
 - Drug delivery, nanotherapeutics and photodynamic therapy

- ✓ IP: Xavier Just-Baringo (xavier.just@ub.edu)
 - Development of visible light active photoswitchable antibiotics to fight against antimicrobial resistance