

Scientific committee 2022

(by chairing order)

Dr. Manuel Suarez (*Universitat Rovira i Virgili, SP*)



Expert in metabolomics, biological rhythms and bioactive compounds, he has developed his scientific career mainly focused in the evaluation of the beneficial effects of phenolic compounds, both in animal models and in humans. He is member of the Nutrigenomics research group, in the URV, which aims to generate general knowledge oriented to the design of functional foods able to prevent, delay or alleviate metabolic diseases such as metabolic syndrome. He has participated in several projects, being the lead researcher of some of them. He is author of more than 60 publications in high SCI journals (h-index 23), 8 book chapters, as well as multiple participations in congresses. He also actively works in research transfer, being author of 2 patents.

Prof. Rosita Gabbianelli (*University of Camerino, IT*)



Rosita Gabbianelli, is Full Professor of Biochemistry at University of Camerino, Italy. She obtained her PhD in Biology at the University of Camerino in 1997. Her research field includes studies on the interplay between early life exposome and long-term effect on health, and nutrigenomic strategies to counterbalance molecular damage. She is visiting professor in Biochemistry at Jilin Agriculture University-Changchun; visiting Professor in Nutrigenomics at the University of Porto, ISS-ISEP-Porto, University of Cluj-Napoca, University of Pharmacy-Hanoi, and Quy Nhon University. Co-author of over 130 peer-reviewed publications, 4 chapters of books and 138 communications at international meetings. She has supervised more of 90 bachelor/master degree/PhD students. She is Editorial Board Member of several journals on health. She is Italian MC Member of the DEVoTION, PhysAgeNet and HyperChildNET (MC sub), Board of Directors of ISNN, Member of NUGO, SIB and Chair of the Scientific and Organizing Committee of the European Summer School on Nutrigenomics.

Prof. Lorraine Brennan (*University College Dublin, IR*)



Professor Brennan is a full professor and a PI in the UCD Institute of Food & Health and Conway institute. She leads a nutritional metabolomics group that are at the forefront of the application of metabolomics in nutrition research and the development of Personalized nutrition. Her group develop strategies for using metabolomics profiles to aid assessment of food intake and for delivering personalised nutrition. She served as Director of the European Nutrigenomics Organization for 5 years and led a number of important initiatives such as the development of an Early Career Network and expansion of membership of the organization. Recently, she was appointed to the National Academies of Science Engineering and Medicine Standing Committee on Evidence Synthesis and Communications in Diet and Chronic Disease Relationships.

Dr. Lydia Afman (*Wageningen University and Research, NL*)



Lydia Afman is Associate Professor at the Division of Human Nutrition and Health at Wageningen University. She is internationally recognized for her expertise on human nutrigenomics and precision nutrition. She combines omics techniques with human dietary interventions to investigate diet-related underlying mechanism for development of cardiometabolic diseases. She leads a Flagship project of Wageningen University, in which artificial intelligence and computational modeling are used to build a digital twin that will give personalized dietary advice to reduce the personal postprandial triglyceride and glucose response. Dr Afman is executive secretary of NuGO, she is member of the Dutch Health Council and until 2022 she was board member of the Dutch Academy of Nutritional Science. She authored over 65 papers published in leading journals in the field such as *Am J Clin Nutr*, *Prog Lipid Res* and *Journal of Hepatology*.

Prof. Jaap Keijer (*Wageningen University & Research, NL*)



I am full professor in Human and Animal Physiology. I am a molecular/biochemical physiologist with a strong interest in *in vivo* metabolic pathways; how these are altered with age and in chronic metabolic diseases and how they are affected by food components. Focusing on mitochondria, substrate metabolism and redox metabolism in humans, model animals and cells, I try to decipher the molecular and biochemical processes underlying physiological functioning, health and disease.

Prof. Catalina Picó (*University of the Balearic Islands, SP*)



Full professor of Biochemistry and Molecular Biology at the University of the Balearic Islands, and member of the Centro de investigación Biomédica en red de Fisiopatología de la obesidad y nutrición (CIBEROBN) and of the Health Research Institute of the Balearic Islands (IdISBa). She is currently the Principal investigator of the Nutrigenomics, Biomarkers and Risk Evaluation (NuBE) group, and Vice-Dean of the Faculty of Medicine. She has been member of the Scientific Committee of the Spanish Agency for Consumer Affairs, Food Safety and Nutrition (AECOSAN), and Coordinator of the Scientific Section of Biochemistry of Nutrition of the Spanish Society of Biochemistry and Biology Molecular. Co-author of over 155 scientific publications in indexed journals and several patents. She has participated in 49 national or European research projects, and is currently the Coordinator of the European project INTEGRActiv (JPI HDHL, 2022-25).

Dr. Begoña Mugarza (Universitat Rovira i Virgili, SP)



Dr. Mugarza is doctor in Biological Sciences and currently she is Associate Professor at the University Rovira I Virgili. She leads the Nutrigenomics Research Group, which focuses in the study of the molecular mechanism by which food components exert health effects on metabolic pathologies. One of her main research lines studies the interaction of biological rhythms with the effectiveness of bioactive compounds. She has participated continuously in competitive projects, being PI of many of them. She is co-author of more than 100 scientific papers and 13 patents and has supervised 8 doctoral theses (7 with International Mention and 5 with extraordinary doctoral prizes). She has also carried out management activities, being Head of the Biochemistry and Biotechnology Department and Coordinator of the Official Master Interuniversity Nutrition and Metabolism. Currently, she is the Coordinator of the Doctoral Programme in Nutrigenomics and Personalized Nutrition and Director of the Uriach Chair of Nutraceuticals.

Prof. Michael Müller



Professor Michael Müller is a Professor of Nutrigenomics and Systems Nutrition. He is a renowned expert in the area of molecular nutrition related to lipid homeostasis, nutrigenomics and nutritional systems biology and his work is focussed on the molecular mechanisms underlying genome-wide effects of foods (specific bioactive components or nutrients) on immuno-metabolic health and plasticity of the gut-liver axis.

Professor Muller is a member of the editorial board of the American Journal of Clinical Nutrition. He was a member of the editorial boards of numerous journals, i.e. "BMC Genomics" (associate editor), "European Journal of Nutrition" (section editor "Nutrigenomics") and "PLOS One" (academic editor). He is an visiting professor at Nanjing Agricultural University (China) and (co)author of more than 250 peer-reviewed publications with more than 16000 citations. As promoter, he has supervised 26 PhD students. He has an H-factor of 75. Since September 2019 he is the scientific director (CEO) of NuGO, an association of Universities and Research Institutes with a focus on joint development of research in molecular nutrition, personalised nutrition, nutrigenomics, and nutritional systems biology.