Precision Nutrition and Cancer Lab
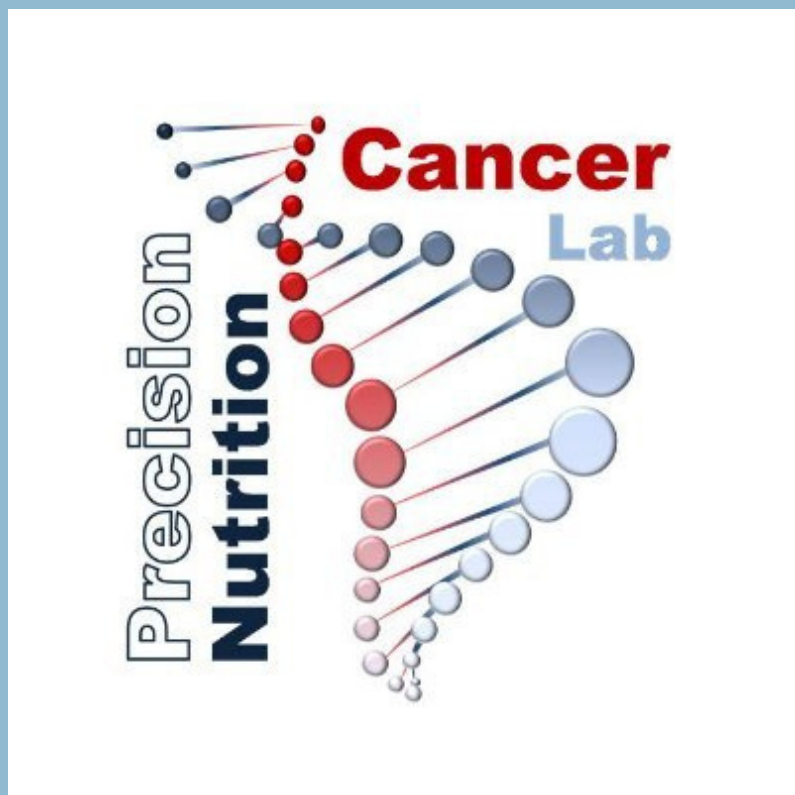
The Precision Nutrition and Cancer laboratory is a multidisciplinary group coordinated by Dr. Ana Ramírez de Molina, working on the identification and application of personalized molecular nutrition strategies to improve response to treatments and quality of life of cancer patients.

- **Molecular Oncology Group**
- **Clinical Oncology Group**
- **GENYAL Platform of Clinical Trials in nutrition and Health. Nutritional Genomics and Health Unit.**
- **Industrial doctorate program for the development of bioactive products for precision nutrition applications.**

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These groups constitute a multidisciplinary alliance working in coordination and continuous collaboration with the mission of establishing a network of knowledge and work that encompasses a multitasking team to develop precision nutrition strategies for cancer patients.

The scope of action goes from the study and identification of molecular and metabolic alterations in cancer patients, and the analysis of in vitro mechanisms of action of the different nutritional strategies and bioactive products targeting these alterations, towards the application of identified personalized nutritional strategies in humans, including clinical trials in both, healthy volunteers and cancer patients.

Finally, to promote transfer of knowledge to society, we count on the participation of two spin-off companies of IMDEA Food and The Autonoma University of Madrid, **Precision For Health**, focused on personalized nutrigenetic advice, and **Forchronic**, focused on the development of specific bioactive formulations for precision nutrition. Furthermore, the Industrial doctorate program for the development of bioactive products works in this group within the frame of an applied research in this area in collaboration with different companies interested in the development of personalized nutrition for disease prevention and treatment.

This group are include in **ALIBIRD2020-CM Project**: "Precision nutrition therapeutic formulations for cancer".