

Dr. Ildfonso Rodríguez - Ramiro

Head of Research Line on the Gut-Liver Axis Metabolism and Senior Researcher IF-MARIE CURIE Fellow



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Dr. Ildfonso Rodríguez-Ramiro studied Biological Sciences at the University of Extremadura. He obtained his PhD from the University Complutense of Madrid (Spain) in 2012 for the work that he developed at the Institute of Food Science, Technology and Nutrition (ICTAN-CSIC) under the supervision of Dr. Luis Goya and Dr. Maria Angeles Martin. During his PhD studies, he was devoted to the elucidation of the molecular mechanisms involved in the protective effects of dietary polyphenols against oxidative stress and inflammation in the intestine. In March 2013, he joined the Norwich Medical School of the University of East Anglia, in Norwich (United Kingdom), where he was involved in a number of projects for the following 6 years. First, he joined the group led by Prof. Anne Marie Miniñane to carry on with his studies on the protective effects of dietary phytochemicals in different metabolic disorders such as non-alcoholic fatty liver disease (NAFLD) and vascular and endothelial dysfunction. Later, he joined the group of Prof. Sue Fairweather-Tait, where he started to study iron bioavailability and metabolism using an intestinal cell model. In March 2018 he was appointed to the group of Prof. Michael Muller to explore the role of microbiota in metabolic health in the gut-liver axis context. In 2019, he was awarded with a Marie Curie fellowship and moved back to Spain to the group of Metabolic Syndrome at IMDEA Food, led by Dr. Pablo J. Fernandez-Marcos. Here, he is leading an independent research line focused on the molecular mechanisms underlying the impact of bioactive compounds on the prevention NAFLD and other metabolic disorders, under the funding of a Marie Skłodowska-Curie Individual Fellowship. Call: H2020-MSCA-IF-2018.

Objectives

- Discovery of Bioactive Compounds targeting metabolic syndrome.
- Characterization of novel metabolic pathways to treat non-alcoholic fatty liver disease (NAFLD)
- Dissecting the role of the gut on NAFLD progression.

Projects in Focus

Marie Curie Horizon 2020 Framework Programme, 832741

Funding: European Commission

Project Period: 2019 - 2021

Principal Investigator at IMDEA Food: Dr. Ildfonso Rodríguez Ramiro and Dr. Pablo J. Fernandez-Marcos.