

Título del Proyecto	<b>Impact of Mediterranean Diet, Inflammation and Microbiome on plaque vulnerability and microvascular dysfunction after an Acute Coronary Syndrome. A Randomized, controlled, mechanistic clinical trial.</b>
Nº de expediente asignado	AC18/00046
Abstract	<p>Coronary atherosclerosis is a leading cause of mortality and disability worldwide. Continuous efforts are needed to improve secondary prevention and understand the mechanism underlying disease progression. Based on primary prevention trials, a potential benefit of the Mediterranean diet after an acute coronary syndrome can be anticipated. The integrated microbiome-mediated/immunologic and metabolic pathways by which the Mediterranean diet modifies cardiovascular risk remain mostly unknown. Intestinal and oral dysbiosis is involved in the pathogenesis of atherosclerosis and microbiome dynamics may account for some of the observed benefits of Mediterranean diet. Our first objective is to evaluate the effects of a well-controlled Mediterranean diet intervention on atherosclerotic plaque vulnerability and coronary endothelial dysfunction after an episode of acute coronary syndrome. The second objective is to decipher the interplays among diet, microbiota, immunity and metabolism responsible for the observed effects. We propose a randomized mechanistic clinical trial, using state-of-the-art efficacy read-outs. The multidisciplinary consortium includes highly experienced cardiologists, nutritionists and experts in translational research in immunology, microbiomics, genomics, proteomics, metabolomics and metagenomics. This study will provide valuable insights</p>

	to identify potential microbiome therapeutic targets for coronary artery disease.
Entidad Financiadora	Instituto de Salud Carlos III (ISCIII)
Convocatoria:	HDHL-INTIMIC ACCIONES COMPLEMENTARIAS DE PROGRAMACION CONJUNTA INTERNACIONAL – AES 2017.
Importe de la ayuda	148.830 €
Fechas de ejecución del proyecto	01/01/2017 – 31/12/2020
	Estas ayudas están financiadas por el Instituto de Salud Carlos III y cofinanciadas por FEDER, Programa Operativo Crecimiento Inteligente 2014-2020 “Una manera de hacer Europa”



**UNIÓN EUROPEA**  
Fondo Europeo de Desarrollo Regional

*"Una manera de hacer Europa"*

Enlaces:

[www.healthydietforhealthylife.eu](http://www.healthydietforhealthylife.eu)