

Título del Proyecto	<b>"Nanoconductance of electron transfer proteins of the respiratory chain. Direct measurement at the single molecular level and therapeutic regulation in cancer stem cells". NanoET-leukemia</b>
Nº de expediente asignado	CTQ2015-66194-R
Abstract	The aim of nanoET-Leukemia project is to identify the molecular parameters affecting the electron transfer between redox partners of the human respiratory chain. The main objective is the direct measurement of the electron transfer process at the single molecule level using cutting-edge nanotechnologies. Different physiological parameters selected as variables will be evaluated and a correlation model with in vitro experiments targeting patient leukemia stem cells (LSCs) will be established. Such a model would contribute to the identification of the most relevant parameters involved in the effective inhibition of the mitochondrial respiratory chain, to be considered for the future design of new anti-cancer drugs, less toxic and more effective against cancer stem cells (CSCs) of recurrent leukemia.
Entidad Financiadora	Ministerio de Ciencia, Innovación y Universidades – Agencia Estatal de Investigación (AEI)
Convocatoria:	Retos de la Sociedad Proyectos I+D+i 2015
Importe de la ayuda	54.450€
Fechas de ejecución del proyecto	01/01/2016-30/06/2019

	<p>Este proyecto está cofinanciado con fondos FEDER, Programa Operativo Crecimiento Inteligente 2014-2020 “Una manera de hacer Europa”</p>
	 <p>The image contains several logos and text elements. At the top left is the coat of arms of Spain. Next to it is the text "GOBIERNO DE ESPAÑA". To the right of that is the text "MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES". In the top right corner is the logo for the Agencia Estatal de Investigación (AEI), featuring a stylized 'e' and 'I'. Below these, in the center, is the flag of the European Union with twelve yellow stars in a circle. To the right of the flag is the text "UNIÓN EUROPEA" followed by "FONDO EUROPEO DE DESARROLLO REGIONAL". Below all this text is the slogan "Una manera de hacer Europa" in a large, italicized font.</p>
Enlaces:	<a href="https://goo.gl/i112ug">https://goo.gl/i112ug</a>