Arkaitz CARRACEDO

Arkaitz Carracedo obtained his PhD degree under the supervision of Drs. Guillermo Velasco and Manuel Guzman, in the Department of Biochemistry and Molecular Biology of Complutense University in Madrid. His PhD project was focused on the mechanistic understanding of the antitumoral activity of cannabinoids, and the nature of their selectivity between normal and cancer cells. The question underlying this matter, "Which are the distinctive features of cancer cells and how can we use this knowledge for therapy?", has been the driving force in his career.

After obtaining his PhD in 2006, Arkaitz decided to continue his training in the United States under the supervision of Dr. Pier Paolo Pandolfi, first in Memorial Sloan Kettering Cancer Center (NY) and later in Beth Israel Deaconess Medical Center/Harvard Medical School (Boston). During this period, Arkaitz strengthened his knowledge of the biological basis of the cancer cell, the mechanism of resistance to anticancer therapies and the utilization of mouse models of human cancer to study this disease. In 2009 Arkaitz accepted a position at the CIC bioGUNE and was awarded the Ramón y Cajal prize.

He joined CIC bioGUNE in September 2010 with the main objective of studying the unique biological features of cancer cells in vitro and in vivo, with an emphasis on the alterations in cellular metabolism. He became IKERBASQUE Research Professor in 2011 and Associate Professor at University of the Basque Country in 2012.

Key publication:

Torrano V, Valcarcel-Jimenez L, Cortazar AR, Liu X, Urosevic J, Castillo-Martin M, Fernández-Ruiz S, Morciano G, Caro-Maldonado A, Guiu M, Zúñiga-García P, Graupera M, Bellmunt A, Pandya P, Lorente M, Martín-Martín N, David Sutherland J, Sanchez-Mosquera P, Bozal-Basterra L, Zabala-Letona A, Arruabarrena-Aristorena A, Berenguer A, Embade N,

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Ugalde-Olano A, Lacasa-Viscasillas I, Loizaga-Iriarte A, Unda-Urzaiz M, Schultz N, Aransay AM, Sanz-Moreno V, Barrio R, Velasco G, Pinton P, Cordon-Cardo C, Locasale JW, Gomis RR, Carracedo A. *The metabolic co-regulator PGC1α suppresses prostate cancer metastasis*. Nat Cell Biol. 2016 Jun;18(6):645-56. doi: 10.1038/ncb3357. Epub 2016 May 23.