

## BIOSKETCH ARKAITZ CARRACEDO

The career of Arkaitz Carracedo is based on answering and contributing to a fundamental question: what are the characteristics of the tumour cells that differentiate them from normal cells, and how can we use this knowledge to develop patient stratification strategies and innovative therapies? His research group focuses on deciphering the essential requirements of cancer cells, with special emphasis on translating their findings from bench to bedside. To define the genuine features of cancer cells, they focus on the signalling and metabolic alterations in tumours. Through a multidisciplinary approach with increasing complexity, his lab works on bioinformatics, cell lines and primary cultures (using cell and molecular biology technologies), mouse models of prostate cancer that are faithful to the human disease, and the analysis of human specimens through prospective and retrospective studies.

Arkaitz Carracedo established his line of research in CIC bioGUNE in late 2010, first as a Ramón y Cajal researcher and since 2011 as Ikerbasque Research Professor. Since 2012, he has been Associate Professor at the University of the Basque Country. He has corresponded publications in *Nature*, *Nature Cell Biology*, *Nature Communications* and *Cancer Research*, and has influenced the field of cancer metabolism with relevant scientific reviews and the organization of internationally recognized congresses. This, in turn, has granted him a variety of awards and recognitions, as well as research funding from key national and international agents, ranging from foundations such as the AECC to the European Research Council with 3 ERC projects.