

Biosketch:

Dr. Ferrándiz is a cell and molecular biologist focusing on genomic instability and cell division. She obtained her PhD at the University of Cantabria in 2007, where her research concentrated on the interplay between signals that drive cell proliferation and those that inhibit it within the cell cycle.

During her postdoctoral research at Imperial College from 2010 to 2016, she delved into the intricate biological mechanisms responsible for ensuring the accurate inheritance of genetic material during cell division. Her primary area of investigation was the regulation of proper chromosome segregation during meiotic division.

Subsequently, she assumed the role of Senior Research Fellow at the University of Warwick under the mentorship of Professor Steven Royle from 2017 to 2023. In this role, she broadened her expertise in chromosome segregation within germ cells to explore the causes of aneuploidy in cancer cells. She aimed to unite her prior research experience in cell division and cancer to lead a project to uncover a novel mechanism of aneuploidy based on the dynamics of mitotic membranes during cell division.

Since the end of 2023, Dr. Ferrándiz has assumed the role of Group Leader at the Center Research Center, where she continues to lead efforts in advancing the understanding of crucial aspects of organelle dynamics during cell division, contributing to the maintenance of genome integrity.