Bárbara Peleteiro has a Degree in Biochemistry (Faculty of Sciences, University of Porto, Portugal, 2004), a Master in Epidemiology (Faculty of Medicine, University of Porto, Portugal, 2007) and a PhD in Public Health (Faculty of Medicine, University of Porto, Portugal, 2011). She is an Epidemiologist at the Hospital Epidemiology Centre in the São João Local Health Unit in Porto, Portugal (since 2017), an Invited Assistant Professor in Epidemiology at the Faculty of Medicine of the University of Porto, Portugal (since 2015), and a Post-Doctoral Researcher at the Institute of Public Health of the University of Porto, Portugal (since 2012).

She is currently working as Senior Technician at the Hospital-based Cancer Registry. In Portugal, all healthcare facilities caring for oncological patients report their data in a common national platform from the Population-based Cancer Registry. She is also the Data Manager at the Breast Centre (EUSOMA certified), and she is further involved in the ERN GENTURIS as data manager of her Health Care Provider.

She has supervised two PhD theses, fifteen Master theses and co-supervised two PhD theses and ten Master theses. She is currently supervising two PhD theses and three Master theses and is co-supervisor of two PhD theses and three Master theses. She was awarded with the Enrico Anglesio Prize in 2010, and has won the prize for Best Oral Communication in the II National Congress on Cancer Epidemiology and Registry in 2024. She has participated in two projects funded at national level and has joined the international consortium StoP. She has also contributed to the international project 'Benchmarking of childhood cancer survival by stage' (BENCHISTA). She is currently a member of the research team of the European Commission project 'PREVENTABLE – Cancer Prevention vs Cancer Treatment: the rare tumour risk syndromes battle'. She has published many papers in international peer-reviewed journals, as well as book chapters and abstracts in conferences (https://orcid.org/0000-0002-0579-9988).

Her main research interests are the ascertainment of the impact of disease burden associated with cancer, both by the analysis of secondary information on health and by the use of original data, integrating the EPIUnit - Epidemiology Research Unit and the Associate Laboratory for Integrative and Translational Research in Population Health, within the research line "Patient and Population Outcomes Research" in the Lab "Individual- and system-level factors towards the attainment of high value health care".