

Sandra Carvalho

Short Biography

Sandra Carvalho received her degree in Biochemistry at the University of Minho (Portugal) in 2010. She then initiated a fellowship in the Centre for Biodiversity, Functional and Integrative Genomics - University of Minho- where she had a strong focus on molecular biology. In 2012 she started her PhD project at Institute of Molecular Pathology and Immunology of the University of Porto- IPATIMUP- (under the supervision of Salomé Pinho, PhD) in the oncobiology and glycobiology field. Her PhD thesis aimed to decipher the role of each specific glycan structure that modulate the adhesive properties of the tumour suppressor protein E-cadherin in gastric carcinogenesis, highlighting the potential of detecting cadherin glycoforms as prognostic biomarkers and potential targets for the development of new therapies. In December 2015, she obtained her PhD degree at the Abel Salazar Institute of Biomedical Sciences (University of Porto). After finishing the PhD, and with the same working team, she focused on study the glycosylation profile of specific receptor with pivotal role in the Inflammatory Bowel Disease. In January 2017, Sandra joined the International Iberian Nanotechnology Laboratory as Research Fellow to work on the phenotypic and molecular characterization of circulating tumour cells isolated by microfluidic-based systems.