

## **Short biography**

Andrea graduated in Microbiology at the Faculty of Biotechnology - Portuguese Catholic University in 1999. Next, Andrea enrolled an International Master in Biotechnology (Montfort University - UK). To develop the M.Sc work, Andrea moved to Basel (Switzerland) and joined the Friedrich Miescher Institute for Biomedical Research (FMI) and the team of Prof. Thomas Hohn. Her work was to develop a system to study in vivo function of Cauliflower Mosaic virus. After finishing her M.Sc (2000), Andrea worked for a short period, in the development of glycoproteins for immunotherapy of cancer, in the Institute of Molecular Pathology and Immunology of the University of Porto. Next, she enrolled in a Ph.D. under the Graduate Program in Areas of Basic and Applied Biology (GABBA) from University of Porto. Andrea received her Ph.D in Health Sciences (2007), from the School of Medicine, University of Minho, in the field of cellular and molecular immunology. Her project was performed under supervision of Prof. António Gil Castro at Life and Health Sciences Research Institute (ICVS) University Minho and Prof. Andrea Cooper at Trudeau Institute - USA where she spent part of her PhD.

During her postdoctoral research and prior to joining the INL, she worked at ICVS and at the Trudeau Institute in the disease biomarker identification and in the developments on drug delivery systems for the treatment of infectious diseases; and also at the, Institute for Molecular and Cell Biology (IBMC/I3S) Porto, on the regulation of gene expression in microglia, oligodendrocytes and neuronal cells. In March of 2016, Andrea joined INL under the framework of the Marie Curie COFUND program, to work on the development of lab-on-chip for the detection of neuroinflammation and in the identification of actomyosin-based biomarkers relevant for microglia activation, at the Systems Biology Group, Cell Mechanics Laboratory under supervision of Ines Mendes Pinto.