

Short biography Marta Afonso

Marta B. Afonso has been recently awarded a Postdoctoral fellowship to investigate innovative therapies and technologies in precision oncology at the Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, Universidade de Lisboa, Lisbon, Portugal.

Dr. Marta Afonso, born in Portugal, received a solid education in Pharmaceutical Sciences (2012) followed by a PhD degree in Pharmacy (2017) from the Universidade de Lisboa. As an undergraduate student she performed a three-month internship in the department of Pharmaceutical Biotechnology and Molecular Biology at the Vrije Universiteit Brussel at Vrije Universiteit Brussel (VUB) in Belgium, under ERASMUS Programme. Her research accomplishments during her PhD studies were related with a better understanding of the role of necroptosis in liver cell injury *in vitro*, *in vivo* and in patients with chronic liver diseases, while critically evaluating the therapeutic potential and eventual adverse events resulting from necroptosis inhibition. Necroptosis is an alternative form of regulated cell death recently discovered and defined by Yuan's laboratory at Harvard Medical School, MA, USA, where she spent three-months during her PhD studies.

Dr. Marta Afonso has acquired a strong background in the biology of cell death and implications for human diseases, *in vitro* toxicity assays, *in vivo* experimentation, microRNAs and cellular signaling pathways. She had also teaching responsibilities in the Master in biopharmaceutical Sciences teaching laboratory classes in Cell Signalling. Dr. Marta Afonso has published 8 original research papers, 1 review article and 1 editorial in major international peer review journals, such as the *Journal of Hepatology*, *Hepatology* or *Cell Death and Differentiation*. Among her published work, Dr. Marta Afonso is first author in 5 publications and second author in 3 publications.