Towards a single therapy against triple negative breast cancer and neuroblastoma by nucleolin-mediated multicellular targeting with a synergistic drug combination

**Acronym:** NanoDoxer

**Coordinator:** João Nuno Moreira, Department of Vectors and Gene Therapy, Center for Neuroscience and Cell Biology, University of Coimbra, Faculty of Medicine, Coimbra, Portugal; jmoreira@ff.uc.pt

**Partners:** Vera Dantas Moura, Fabio Pastorino, Lúcio Lara Santos, Ana Mafalda Antunes de Melo e Oliveira

Triple negative breast cancer and neuroblastoma, two of the most aggressive forms of solid tumors, are often associated with metastasis and without current specific treatments. The NanoDoxer project proposes a novel cell surface protein as a common marker of different cell populations within the tumor microenvironment, responsible for fueling tumor initiation, development and metastasis, as stem-like cancer cells. Simultaneous validation of the target protein as a prognostic marker in triple negative breast cancer and neuroblastoma will be conducted, hopefully leading to a decreased tumor burden and recurrence.