

Giovanna Rosa Fois

Dr. Giovanna Rosa Fois is postdoc at Laboratoire de Physique de Clermont (LPC) in Clermont–Ferrand, France.

She is an expert in modelling and simulations in medical physics using the GATE platform.

She obtained her PhD at the University of Cagliari (Italy) in 2013 defending a thesis on Monte Carlo simulation studies for spatially fractionated radiation therapy techniques.

Since then, she has been involved in different projects: between 2013 and 2015, in Molecular Breast Imaging simulations at the Italian Institute of Nuclear Physics (INFN), since 2016 in internal radiation dosimetry applications for the validation of new radiopharmaceuticals for theranostic treatments at LPC (France). In 2020 she was involved in the simulation of new detector designs in SPECT imaging in collaboration with a company.

She is currently involved on a project related to proton FLASH radiotherapy and she is in charge of the modeling of physical and physico–chemical stages of radiolysis in conventional and very high dose rates.