

Luca Digiacomio

Post-doctoral researcher at Sapienza University, Rome

Luca Digiacomio is a post-doctoral fellow at the Department of Molecular Medicine, Sapienza University (Rome, Italy). He graduated in Physics of Matter at the University of Pisa in 2014 and received his Ph.D. in Life and Health Sciences in 2018 at the School of Advanced Studies of Camerino (MC, Italy) with the project “*Mechanistic insights into nanoparticle-protein corona and its exploitation for novel targeted therapeutics*”. During the Ph.D., he conjugated his educational background on Physics to bio- and nano- medical applications and had the opportunity to work at the Laboratory for Fluorescence Dynamics (University of California Irvine, USA) under the mentorship of Prof. Enrico Gratton. Starting from the study of nanomaterials for drug and gene delivery, under the supervision of Prof. Giulio Caracciolo, he focused on the clinical implications of the protein corona of nanoparticles, for both therapeutic and diagnostic purposes. This led to the publication of 37 articles in international peer-reviewed journals (with a resulting h-index of 14 and 786 citations, according to Scopus) two Italian patents and one international patent. Finally, he has recently received a three-year fellowship from AIRC (Associazione Italiana per la Ricerca sul Cancro) as a principal investigator of the project “*A graphene-based blood test for the early detection and molecular staging of pancreatic ductal adenocarcinoma*”.