

## **Short Bio Erica Quagliarini**

Dr. Erica Quagliarini obtained her PhD in Chemistry in 2021 at [Sapienza University of Rome](#), where she is currently a Postdoctoral Researcher in the NanoDelivery Lab led by Prof. Giulio Caracciolo and Prof. Daniela Pozzi.

Since 2018, her research activity has focused on bio–nano interactions, protein corona formation, and the engineering of lipid-based nanoplatforms for drug and gene delivery. Her work combines nanotechnology, proteomics, advanced microscopy, and in vitro/in vivo models to develop multifunctional bio-nanoarchitectures with improved stealth properties, biodistribution, and transfection efficiency.

In 2025, she was awarded a three-year AIRC fellowship for her research on nanodiagnostic strategies aimed at developing innovative nanoplatforms for precision medicine applications.