

Dr. Marisa Colone is Senior Researcher at the National Center for Drug Research and Evaluation, Istituto Superiore di Sanità (ISS), Rome, a position she has held since 2023, after joining ISS as a researcher in 2000. She obtained her PhD in General and Clinical Microbiology from Università Cattolica del Sacro Cuore in 2012, following degrees in Biomedical Laboratory Technology from the University of Rome “Tor Vergata” and “La Sapienza,” and is a qualified Biologist.

Her research addresses the relationship between multidrug resistance and the invasive potential of tumor cells, investigating the mechanisms of action of antitumoral and antimicrobial agents at the subcellular level through molecular biology and ultrastructural/immunocytochemical methods. She also studies the chemosensitizing effects of natural products on drug-resistant tumor cells and microorganisms, and the design, development, and biological characterization of lipid-based nanocarriers for targeted drug delivery.

She is co-author of 65 publications indexed in PubMed (H-index 33) and serves as a reviewer for journals including the International Journal of Molecular Sciences, Molecules, Pharmaceuticals, and Cancers. She is a member of the Editorial Boards of the journal Life and the ISSalute Knowledge Portal. Her technical expertise includes cell culture, cytotoxicity and migration/invasion assays, immunofluorescence, electron microscopy, PCR/RT-PCR, Western blotting, and cryo-ultramicrotomy with immunolabeling.