

Francesca PETRONELLA - CV

Dr. Petronella is a Researcher at the Institute of Crystallography (IC) of the Italian National Research Council (CNR), Montelibretti division. After receiving her Ph.D. in Chemistry of Innovative Materials in 2013, she worked as a Postdoctoral fellow at the CNR, Institute for Chemical Physical Processes. Dr. Petronella has a strong background in the synthesis, functionalization, and characterization of nanomaterials, nanocomposites, and nanostructure fabrication. The central theme of Dr. Petronella's research is the development of new nanomaterial-based platforms that, unlocking properties of plasmonic nanoparticles, enable a new generation of ultrasensitive, multifunctional, and sustainable optical biosensors.