

Roberta D'Agata is PhD in Chemical Sciences and Assistant Professor at the Chemistry Department, University of Catania. The objective of her research is to employ surface plasmon resonance imaging (SPRI) and microfluidic-based platform for DNA and RNA detection in various fields of life sciences. She is responsible for the development of nanoparticle-enhanced SPRI assay for the detection of biomarkers circulating in blood as liquid biopsy in the framework of Ultraplacad, a project funded by the European union's Horizon 2020 dealing with the development of a microfluidic plasmonic device integrating functionalized nanostructures for early cancer diagnosis. She was awarded "Best Researcher" (2013), University of Catania.