

Silvana Fiorito, immunologist, researcher from Sapienza University and National Research Council (CNR) of Rome is involved since 2002 in the study of the biocompatibility and cytotoxicity of carbon-based nanomaterials. She focused her own investigations on the interactions at molecular level between carbon nanotubes (CNTs) and a broad number of human and animal cell types and the biological effects of graphene. She is especially interested in the chemical-physical mechanisms regulating the interactions between CNTs and the biological microenvironment, the potential applications of CNTs as vectors of therapeutic molecules, the antimicrobial effects of carbon nanotubes and graphene particles. She is also involved in the study of the cytotoxicity of diesel engine exhaust carbon nanoparticles.