

Pier Paolo Pompa is a tenured Senior Scientist and Head of the Nanobiointeractions&Nanodiagnostics research group of Istituto Italiano di Tecnologia (IIT). His scientific activities are highly interdisciplinary, ranging from nanotechnology to biophysics, nanodiagnostics, nanomedicine, nanobiotechnology and nanochemistry, and are intensively focused on the understanding of the interaction between nanomaterials and living systems. His current research interests deal with three main topics: the identification of the response of biological systems upon interaction with nanoscale materials, such as engineered nanoparticles and nanostructured substrates, and investigation of the underlying mechanisms; the development of low-cost hybrid sensing strategies, based on nanoparticles, for point-of-care diagnostics; the development of nanomaterials-based systems for nanomedicine, nanoimaging, and biomedical applications. Pier Paolo Pompa has authored over 110 peer-reviewed publications in International Journals (including Nature Nanotechnology, PNAS, ACS Nano, Advanced Materials, Chem. Soc. Rev., Angewandte Chemie), several book chapters, and many invited and oral contributions to International Conferences. He is also author of >20 Patents. He leads various national and international projects in the field of nanoscience and nanobiotechnology (he has been granted more than 5.5 M€ of external funds). He is also reviewer of major scientific journals (Nature Materials, Nature Nanotechnology, etc.) and international funding agencies.