

SHORT BIO:

Piero Baglioni is a Physical Chemist working in the field of soft matter physics and chemistry. Many of his studies are devoted to the application of scattering methodologies to several unexplored areas as 1) cement hydration; 2) phospholipo-nucleosides; 3) water dynamics in several systems as proteins, cement, DNA, RNA. From the beginning of his scientific career he contributed to the application of Colloid and Material Science to the conservation of Cultural Heritage. He pioneered modern Conservation Science, generating new materials and methods that are nowadays available and employed worldwide by Conservators. In particular, using scattering techniques to tailor the properties of nanoparticles and soft matter systems he developed methods for mural paintings consolidation; paper and canvas conservation; polymers removal from artefacts; waterlogged wood deacidification; oil and easel paintings cleaning with innovative hydro- and organogels.

Piero has received many accolades for his scientific achievements, including the : Lecturship award of the division of Colloid and Surface Chemistry, The Chemical Society of Japan; Overbeek Prize; Medaglia Bonino; Catedra de Fisica, University of San Luis Potosi, Mexico; Lifetime achievements for the contribution to Colloids and Interface Science; Caballero Aguila (The most prestigious recognition from National agency for conservation (Mexico); European Gran Prix for Innovation Award; Rhodia (Solway) European Colloids and Interface Society award. He is member of several National and International Academies/Societies and of the advisory/editorial board of several International Journals