



Martedì **12 marzo 2019** alle ore **11:30** presso l'aula P

la **Dr. Anne-Laurence Dupont**

Centre de Recherche sur la Conservation, CNRS,
Muséum National d'Histoire Naturelle, Paris,

terrà il seminario dal titolo:

One-pot treatments for simultaneous deacidification and strengthening of degraded cellulose-based materials.

Natural ageing of paper is responsible for its slow decay. Late 19th and early 20th century lignocellulosic paper collections of mediocre quality, especially newsprint papers, decay faster than the durable medieval handmade rag papers. Novel one-pot treatments using aminoalkylalkoxysilanes (AAAS) that allow simultaneous deacidification and strengthening of cellulosic objects of the cultural heritage have been developed in order to propose remediation solutions for these collections. The lecture will give an overview of the decade-long ongoing research, from the development of homopolymer treatments to the more recent work using copolymers, and their effect on the mechanical and chemical properties of paper.

Alfonso Zoleo

Il Direttore del Dipartimento
Michele Maggini