

CLAN

CENTER FOR
LIGHT ACTIVATED
NANOSTRUCTURES

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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

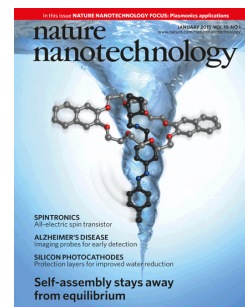
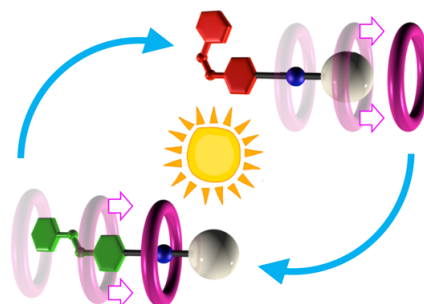


Consiglio Nazionale
delle Ricerche

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WHAT IS

CLAN is a **joint lab** between the University of Bologna and CNR, founded in 2017 and located in the Institute for Organic Synthesis and Photoreactivity of CNR, at the Navile campus in Bologna.



MISSION

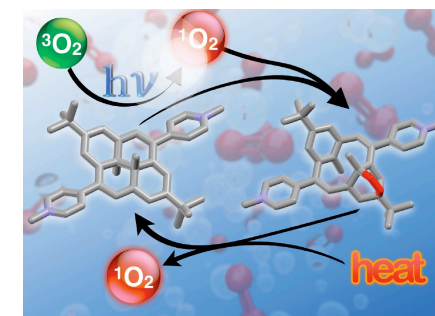
We promote **frontier research** in the area of molecular sciences, with particular regard to *nanoscience, spectroscopy and photochemistry*, by deploying **resources, knowledge and equipment** at a high level.

ACTIVITIES

We design, synthesize and study **light-responsive molecular, supramolecular and nanostructured systems, materials and devices**. We deal with *molecular machines and motors, rotaxanes and catenanes, nanoparticles, luminescent species, photoreactivity and photochromism*.

OBJECTIVES

We look for **innovative solutions** to current global societal challenges in **technological** (*solar energy conversion, advanced materials, catalysis*) and **bio-medical** (*drug delivery, photopharmacology, optical imaging, phototherapy*) sectors.



SERVICES

Specialized consulting on problems of NMR, UV-visible-IR spectroscopy, luminescence and photochemistry ▪ Experimental measurements with state-of-the-art techniques ▪ Collaborative research projects

FUNDING

