



Paola Nieri

Department of Pharmacy, University of Pisa, Via Bonanno 6, 56126 Pisa, Italy

email: paola.nieri@unipi.it

ORCID: 0000-0001-5809-2938

Research activity

Evaluation of the activity of drugs or extracts and new isolated active ingredients from natural sources, on cellular models (reproducing oxidative and inflammatory stress or cancer). Study of molecular mechanisms involved in the bio-pharmacological activities, through functional studies on membrane receptors or studies aimed at detecting the modulation of specific intracellular pathways. Pro-inflammatory and anti-inflammatory mediators released by cells in the culture media are also investigated.

Currently, in the field of Marine Pharmacology, the antioxidant and anti-inflammatory activities of extracts from different microalgae grown both under standard conditions and with wastewater from aquaculture, are studied on models of skin disorders. In addition, extracts from other marine organisms, such as sponges, cephalopods, octocorals, marine plants are also under investigation.