

FRANCA MARINO

EDUCATION:

Degree in Biological Sciences and Specialization in Pharmacology cum laude University of Pavia

PROFESSIONAL EXPERIENCE:

Associate Professor in Pharmacology, School of Medicine, University of Insubria.

Member of the Research Center in Medical Pharmacology; Member of the Center of Neuroscience;

Member of the Research Center on Dyslipidemia.

Director of the School of Specialization in Medical Pharmacology – University of Insubria

Member of the PhD Course in Clinical and Experimental Medicine and Medical Humanities, University of Insubria

SOCIETIES:

Italian Societies of Pharmacology (SIF); Italian Societies of the study of Atherosclerosis (SISA); Italian Societies of Immunopharmacology, Society of NeuroImmune Pharmacology (SNIP)

TEACHING

Teacher of Pharmacology for Medical Students and different courses of Medical areas

RESEARCH INTERESTS AND TECHNIQUES:

Immunopharmacology, with particular regard to the mechanisms regulating spontaneous and acquired immune response in health and disease. Recent research in this field concern:

- the role of CA, in the regulation of immune response both in health and diseases;
- the role of neurotransmitters and neuropeptides in the regulation of human PMN function and the relevance of these mechanisms for the immune effects of drugs acting on CNS;
- the contribution of the inflammatory mechanisms in cardiovascular disease and in the effects of cardiovascular drugs (statins, drugs acting on the renin-angiotensin system).
- pharmacology of the neurovegetative system: modulation of adrenergic and cholinergic neurotransmission in the autonomic nervous system by several receptor systems, and the pharmacological analysis of signal transduction mechanisms involved.

Research techniques originally developed and currently employed includes - in vitro and in vivo models for the evaluation of pharmacological activities, HPLC-ED, HPLC-UV, spectrofluorimetry, cell cultures and assays of cell functions (leukocytes), molecular biology techniques (RT-PCR), flow cytometry.

Other research topics regards the area of research integrity in medical field: with this regards we are involved in two European projects: the ERASMUS plus project EUROPEAN NETWORK FOR ACADEMIC INTEGRITY and the Horizon H2020 - Call: H2020-SwafS-2016-17 (Science with and for Society), Topic: SwafS-27-2017 (Coordination and support action). VIRT2UE - Virtue based ethics and Integrity of Research: Train-the-Trainer program for Upholding the principles and practices of the European Code of Conduct for Research Integrity

Research projects are funded by both public and private institutions, including:

- Italian Ministry of Instruction, University and Research (PRIN); - University of Insubria; - National Multiple Sclerosis Society (www.nmss.org), New York, NY, USA; - Italian Foundation for Multiple Sclerosis (www.aism.it), Genua, Italy, CARIPLO Foundation, Italy.