

Assistant Professor of Human Physiology, Specialist in Applied Pharmacology, Dr. Sancini has focused his research activity mainly on neurosciences, nanomedicine and nanotoxicology. Dr. Sancini, has a long experience in electrophysiological measures of synaptic currents. He has an established know how and equipment in neurophysiology, cellular electrophysiology, pharmacology and in vivo models to study the (1) impact of anthropogenic nanoparticles on the respiratory system and to evaluate their potential for translocation to the systemic level, (2) the biodistribution and biocompatibility of engineered nanoparticles (targeted delivery). Dr. Sancini research has been funded by european FP7 (NAD project, Nanoparticles for Diagnosis and therapy of Alzheimer's Disease), FP6 (BONSAI project, Bio-Imaging with Smart Functional Nanoparticles) and - Italian Ministry Research Program – MIUR- PRIN 2012, prot. 20128xwktx "A molecular and functional study of adam10 at the Huntington's disease synapse". Dr. Sancini has published more than 48 papers in reputed journals and he has been serving as an editorial board member of repute. Dr. Sancini is head of the Physiology Unit at the School of Medicine and Surgery of the University of Milano-Bicocca. Dr. Sancini is member of the Nanomedicine Center of University of Milano-Bicocca (NanoMib), of the Milan Center for Neuroscience of University of Milano-Bicocca" (NeuroMi), of the Research Center "POLARIS" (Dust in Environment and Health Risks) of the University of Milan-Bicocca and he is currently member of the Spin Off "Amyopharma for the technological industrial transfer of the International Patent: "Liposomes active in-vivo on degenerative diseases": ca2877765a1, ep2866790a1, us8877236, us20140004172, wo2014000857a1.