



Theodora Calogeropoulou, PhD

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Research Design and synthesis of bioactive compounds against neurodegenerative diseases, infectious diseases, cancer and aging as well as fluorescent probes for MoA studies.

Keywords Neurodegeneration, neurotrophin receptors, microneurotrophins , multifunctional heterocycles, BODIPY dyes, proteasome activators, antioxidant agents, ether phospholipids, antiparasitic drugs.

Links

Biography

Dr Theodora Calogeropoulou (TC) Research Director, Deputy Director of the Institute of Chemical Biology, National Hellenic Research Foundation and member of the Scientific Council of ICB. She received her Bachelor's degree in Chemistry from the University of Athens, and her Ph.D. degree from the Department of Chemistry, University of Iowa, USA. She served as a Postdoctoral Research Associate at Scripps Research Institute, San Diego, USA and at the R&D of Viochrom SA and then joined NHRF. She has >30 years experience in medicinal chemistry and her research interests involve the design and synthesis of biologically active molecules against neglected infectious diseases, neurodegenerative diseases and cancer and the design and synthesis of fluorescent bioactive compounds and probes for mechanistic studies, optical imaging and theranostic applications. Green chemistry approaches such as microwave-assisted synthesis is embedded in her work. TC has pioneered the development of small molecule neurotrophin mimetics and ring-substituted antiparasitic ether phospholipid derivatives . Her research is supported by European and National grants 35 grants (12 of them as coordinator) and by contracts with industries. She has organised national and international meetings, and served as expert evaluator in grant committees (EU, Portugal, France). She has trained >46 junior scientists (Postdocs, PhD, MSs, Diploma students). She is co-inventor of 30 patents and her published work includes 90 peer-reviewed publications [35, h-index (google scholar), citations >3200; 29, h-index (Scopus), citations >2200] and has participated in >150 international scientific meetings. TC is co-founder of start-up company Quadrel Srl , sold to multinational Fatro SA (11/2022).