



Mónica Díaz Gavilán

I have the expertise, training and leadership experience necessary to manage supervision duties in research projects, with Organic and Medicinal Chemistry profile. My career is based on both disciplines. Since the beginning of my PhD I have worked in organic synthesis of biologically active molecules. My PhD thesis dealt with the preparation of antitumor compounds and yielded 12 articles in international peer-reviewed journals. Two three-month predoctoral stays at the Universities of Perugia (Prof. Pellicciari) and Viena (Prof. Noe) allowed me to work on the development of neuroprotective agonists of glutamate and antitumoral antisense technology, respectively. As a postdoctoral Marie-Curie Fellow (University of Cambridge) I worked in Diversity Oriented Synthesis (DOS) and in the total synthesis of alkaloid myrrhine (Prof. D. Spring). Developing DOS libraries supposes a wide and complete training. During my predoctoral and postdoctoral periods I consolidated skills in synthesis, characterization and design of molecules. In 2009 I returned to Granada as an Assistant Professor where I started working on PH1 in collaboration with Prof. E. Salido (University of La Laguna). I have supervised three funded projects on this topic, first a European funded Marie-Curie Reintegration Grant, then an OHF Research Grant and finally a one-year research project funded by the University of Granada. This way I learnt the importance of collaborative environments and gained the ability to manage research. We have prepared active compounds in PH1 for which a patent has been applied. Our results are a positive motivation for me to work further in this topic. In 2016 I started collaboration with Prof. Sofia Salido. We have consolidated our efforts in the search of a pharmacological treatment against PH1. I have supervised 7 undergraduates, 4 Master students, 1 postdoctoral student and I am supervising a PhD thesis (due by September 2019). Also in Granada I have collaborated in other national and regional funded projects. I have been referee for the journal European Journal of Medicinal Chemistry.