

Postdoctoral Position in Computational Medicinal Chemistry / Virtual Screening

The organic and medicinal chemistry laboratory at the Autonomía University of Madrid, Department of Pharmacology and Therapeutics, is seeking an outstanding computational medicinal chemist to be part of a multidisciplinary team including organic chemists, pharmacologists, molecular biologists, neuroscientists and medical doctors focusing in the development of novel therapeutics for neurodegenerative diseases (Alzheimer's disease, Parkinson's disease, Multiple Sclerosis and ictus).

Qualifications: Applications are invited from suitably qualified candidates. The post will involve extensive computational medicinal chemistry, virtual screening, docking and molecular dynamics. Additionally the appointee will have supervisory responsibilities for junior research group members, and will also be encouraged to develop their own research projects. The ideal candidate will have a Ph.D in sciences (medicinal chemistry, organic chemistry or related) with a strong publications/patent record to document his/her expertise in computational methods. The candidate should have extensive experience in the utilization of chemical databases (Zinc or related), virtual screening programs and molecular dynamics (Schrodinger suite, AutoDock, Amber, Gold, or related). The sought candidate should have excellent organization and time management skills plus the ability to plan, carry out, and troubleshoot with minimal supervision. Candidate experience in any aspect of chemical biology or medicinal chemistry is not indispensable but will be highly valuable.

Responsibilities: The focus of this position is the virtual screening, docking and molecular dynamics of protein interactions of novel small molecules as potential candidates for the treatment of Neurodegenerative diseases with special emphasis in Alzheimer's disease, Parkinson's disease, Multiple Sclerosis and Ictus. The designed small molecules will be completed to accomplish research milestones. The candidate will have part of independence to develop his/her own designs.

Contact: interested candidates should send a cover letter, resume, a brief summary of past research experience, and the names of contact information of at least three professional references via e-mail before 30/11/2019 to:

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