

Postdoctoral Research Associate in Biomolecular Simulations

Application Deadline: 15 Apr 2023

We are seeking a creative and innovative postdoctoral scientist to reinforce our research line in plastic-degrading enzymes. We are looking for highly motivated and independent thinkers interested in molecular dynamics simulations, molecular design, free-energy calculations, deep learning, bioinformatics, and an overall curiosity for the Ocean. Whereas we will value your experience and skills a lot, any prior specific knowledge is less important than strong motivation, enthusiasm for scientific research, can-do attitude, and problem-solving skills. All humans are welcome to apply!

We are searching for candidates with a strong interest in modeling complex molecular processes at the interfaces between biology, physics, chemistry, and material sciences. All this embedded into a marine science environment. Also, are you ready to interact with experimentalists and other theoreticians working on the same research lines?

We are a young and ambitious team that, with computer simulations as core technology, pursues highly interdisciplinary molecular research that ranges from drug discovery, molecular evolution, to plastic-degrading enzymes. We are based at the Institute of Marine Sciences (ICM-CSIC), an outstanding research Center with an exciting multidisciplinary environment, and placed in the thrilling Barcelona.

The Institut de Ciències del Mar (ICM, CSIC), located in Barcelona, is a multidisciplinary marine research center, including research on marine physics, marine geosciences, marine biology, marine chemistry, fisheries management, and technological development. ICM is the largest centre for multidisciplinary marine science in Spain, with a leading role in Southern Europe and the Mediterranean region. ICM's research encompasses theoretical, numerical and experimental approaches, with field work and cruises in the Mediterranean and all world's oceans. The Severo Ochoa Excellence accreditation has recognized the ICM leadership in marine research with a relevant commitment to generating social and business impact.

Application procedure: If interested, please send your CV and motivation letter to the PI of the Molecular Ocean Lab: Francesco Colizzi, fcolizzi@icm.csic.es

