

# Postdoctoral Research Associate in Molecular Design & Simulations

**Application deadline:** until position is filled

We are seeking one PhD-level scientist to join our small team in Barcelona. This is a good opportunity to engage with ground-breaking research in a dynamic and interdisciplinary environment. Ideal candidates will possess expertise in computational biophysics or computational chemistry, or structural biology, or molecular design, or phylogenetics, or experimental characterisation of enzymatic activity. Relevant areas of experience include application of molecular dynamics or machine learning or QM/MM to study biomolecular dynamics, molecular interactions, enzymatic reactions, ligand binding, computer-aided molecular design. Candidates considering a transition to those areas of research but coming from different nearby fields are also encouraged to apply.

We are seeking a creative and innovative postdoctoral scientist to reinforce our research line in plastic-degrading enzymes. The postdoc will be part of a collaborative small team that will work in close contacts with experimental groups at ICM-CSIC and abroad. Previous experience with the experimental characterisation of enzymes is a plus.

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, placed in the thrilling Barcelona.

If you would like to have an idea at what kind of research we are pursuing, please give a look at this paper: <https://pubs.acs.org/doi/full/10.1021/acscatal.3c00259>

**Application procedure:** Please send your CV and motivation letter to the PI of the Molecular Ocean Lab: Francesco Colizzi, [fcolizzi@icm.csic.es](mailto:fcolizzi@icm.csic.es)

## Additional practical information:

- The expected starting date is January 2024, or earlier.
- Duration of the contract is until 31/08/2025.
- The monthly gross salary ranges from 2180€ to 3261€ depending on experience

