

Barcelona, May 26, 2022

## Researcher in Molecular Simulations & Enzyme Design

**Place:** [Institut de Ciències del Mar \(ICM\)](#), CSIC, Barcelona

**Salary:** approx. 39K €/year gross

**Contract period:** 2 years

### Institute of Marine Science – CSIC

The Institute of Marine Science (*Institut de Ciències del Mar*, ICM-CSIC) is the fourth largest research institute of the Spanish National Research Council (CSIC) and the largest dedicated to marine research. Under the motto “Ocean Science for a Healthy Planet,” the ICM conducts frontier research and foster both knowledge and technology transfer on topics related to ocean and climate interactions, conservation and sustainable use of marine life and ecosystems, and impact mitigation of natural and anthropogenic hazards. In-depth knowledge, determined action, and coordinated management are essential to confronting these global challenges, thereby driving sustainable development of humankind.

CSIC and all its research center were awarded with the "[HR Excellence in Research](#)" seal in 2021. This recognition reflects our commitment to continuously improving our human resources policies in line with the [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#). Recruitment at ICM is open, transparent and merit-based, and all applicants compete on the same terms.

### Who we are looking for

We are seeking a Ukrainian scientist in Ukraine or in exile holding a PhD in Chemistry/Biology/Physics/Engineering/Computer Sciences and related disciplines and willing to be hosted by the newly-established Molecular Simulations Lab at the ICM. We are happy to hear from highly motivated and independent thinkers interested in molecular structures & simulations, machine learning, computational chemistry, enzyme catalysis, protein evolution and mitigation of plastic pollution in the Ocean. All-around experience with molecular simulations, enzyme design, and machine learning are welcome.



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## Research Project

The guest scientist will contribute to build the next-generation of nature-inspired biotechnological catalysts for plastic depolymerization. This will require the integration of state-of-the-art molecular simulations techniques with de-novo enzyme design strategies, in tight collaboration with outstanding marine microbiologists, biochemists and molecular biologists at ICM and abroad. If you want to enroll in a world-class research Center and embark in a challenging project that may contribute to mitigating plastic pollution in the Ocean, please apply!

Within the context of the *CSIC Programme for Scientific Cooperation with Ukraine - Call 2022*, the Researcher will be employed with the modality of Doctor Outside the Agreement FC3.

## Contact

For more information please contact Dr. Francesco Colizzi ([fcolizzi@icm.csic.es](mailto:fcolizzi@icm.csic.es)); interested candidates, please include **CV and Motivation Letter**.

The position will be opened until filled.