



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DEPARTMENT OF BIOLOGICAL, GEOLOGICAL
AND ENVIRONMENTAL SCIENCES

We are seeking a **post-doctoral** candidate for **one year research position** on the avant-garde and prospective project “Monitoring of the alien species in the mollusc aquaculture farms in the Emilia-Romagna region: impacts and mitigation measures” in the Interdepartmental Research Centre for Environmental Sciences (CIRSA) of the University of Bologna – Campus Ravenna (Italy). **The goal** of this project is to identify invertebrate alien species associated with farmed molluscs (oysters and mussels) in the Northern Adriatic Sea, and particular in the Emilia-Romagna Region, reveal eventual cryptic alien species, potentially invasive and in particularly parasitic alien species and seek to identify their provenance and ways of introduction, in order to develop solid scientific base for the prevention of their future expansion and negative effects on molluscs aquaculture and marine ecosystem in general.

Post-doctoral researcher will collect and analyse literature dealing with the research problematic, participate in sampling campaigns in the aquaculture farms and nearby marine areas including diving activities, handle and analyse samples, perform taxonomic determination of invertebrates collected on molluscs with determination until the species level as priority whenever possible, perform molecular analyses on polychaete and crustacean species that will show to be impossible to determine using barely morphological analyses, communicate and collaborate with researchers working on alien species in the Mediterranean Sea and wider, write papers regarding project results.

Suitable candidate should have a PhD degree and traceable previous research activities, solid knowledge in general taxonomic identification of benthic invertebrates with particular priority in taxonomy of groups Crustacea and Polychaeta, knowledge in molecular analyses (extraction of DNA and amplification of nuclear and mitochondrial DNA, metabarcoding, RAD sequencing and bioinformatic), good field work skills including experience in scientific diving, recognised diving certificate, documented publication records in ecology of benthic communities preferably in the Mediterranean/ecology and taxonomy of benthic invertebrates/ecology and taxonomy of alien species/taxonomy and ecology of Crustacea and Polychaeta.

Start of position is planned for the **01 April 2020 and the position will be of one year**. Interested candidates should send their CV and two reference letters and **contact** Professor Federica Costantini: federica.costantini@unibo.it and Doctor Barbara Mikac (in cc): barbara.mikac@unibo.it

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