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Nationality: Spanish

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Orientation: Ocean Observation and Global Change

Specialization Area: Ocean Observation

Research Area: 1.1 Physical Oceanography



PhD project: **Mollusk cryopreservation and variability along development and species**

Supervisors: Dr. Estefanía Paredes Rosendo (Universidade de Vigo)

Dr. Jesús Souza Troncoso (Universidade de Vigo)

Summary: The main objective of this doctoral thesis consists of the development of cryopreservation protocols for larval stages of marine mollusks, by carrying out a study of involved steps. This will optimize the method to obtain maximal survival rates and provide larvae with unaltered fitness by cryopreservation procedures. Therefore, developed cryopreservation protocols will be suitable for their implementation into research field, aquaculture sector and species conservation. Moreover, a comparative study of data collected from the work with related species could provide general trends about the response or behavior to cryopreservation, hence some standards could be formulated for the development of further cryopreservation protocols for larval stages of related species.

