

VACANCY CHARACTERISTICS	
Qualification (availability): <u>Bachelor's degree (2)</u>	Código: 230.3.05.02 // 230.3.05.03
Job tasks:	
<p>REBECA project activities achievement:</p> <p>Activity 2.2.1 Production of new and native microalgae on an industrial scale. Biomass generation and harvest.</p> <p>Assessment of microalgae production as an industrial activity in Macaronesia. Selection of the strain / production technology / final product combination suitable to meet the demands of the areas involved in the project, taking into account environmental, economic and social sustainability criteria through the assessment of CO2 supply systems and the implementation of renewable energy resources in the production processes. Evaluation of different waste management systems. Training of competent professionals in the sector.</p> <p>Activity 2.2.2 Processing of microalgae on an industrial scale:</p> <p>Microalgae network downstream evaluation (harvest, dehydration and extraction of commercial value fractions) as an industrial activity in Macaronesia. Preparation of a report on the current status of activities related to the processing of biomass (extractive) in Macaronesia and its development potential. Selection of the most suitable strain / processing technology combination and for each area involved in the project (Azores, Madeira, Canary Islands and Mauritania) taking into account localization, available resources and biomass quality criteria for different uses: food, cosmetics and energy. Development of products under the concept of biorefinery. Training of competent professionals in the sector.</p>	
Category: A	Contract type: Specified works and services (Specific Project REBECA)
Division: R&D	Department: Biotechnology
Workplace: Playa de Pozo Izquierdo s/n, 35119 Santa Lucia	Province: Las Palmas.
JOB PROFILE	
<p><u>1.- Academic achievements:</u></p> <p>Senior Engineer or Bachelor's degree (or equivalent)</p>	

2.- Experience, knowledges

Minimum requested knowledges:

- Doctoral degree (PhD).
- Experience in International R&D projects of microalgae.

Experience (extra value):

- Experience in the design, construction and assembly of microalgae culture systems, as well as their auxiliary systems.
- Experience in the design, control and instrumentation of a microalgae cultivation plant.
- Experience in start-up and operation of microalgae culture systems.
- Experience in the design, construction and assembly of microalgae processing systems (downstream), as well as auxiliary systems.
- Experience in design, control and instrumentation of a microalgae processing plant.
- Experience in start-up and operation of microalgae processing systems.
- Experience in product development under the concept of biorefinery.
- Experience in CO₂ capture from flue gas (other industrial processes) for injection in microalgae culture systems.
- Experience in coupling renewable energy supply with microalgae and / or macroalgae production and processing systems, as well as with auxiliary systems.
- Experience in cleaning and sterilization treatments of water supply/inputs (ozone, ultrafiltration, filtration, UV, heat treatments ...).
- Experience in waste water treatments of microalgae production plants.
- Experience in training.

To prove the aforementioned knowledge, practical tests can be carried out.

3.- Requested qualities:

- Ability to work in a team, constructive and proactive attitude.
- Availability to travel.
- Self-sufficient and tidy person.
- Communicative skills.

SELECTIVE TESTS: Curriculum Vitae evaluation; and, in the judgment of the court, personal interview and / or practical test.