

Laboratory Technician / Research Assistant



SuSeWi Ltd

Location:	London
Salary:	£25,000 to £33,000 depending on qualifications and experience
Hours:	Full Time
Contract Type:	Fixed-Term Contract
Job Reference:	AG2

About Us:

SuSeWi is a research and development company who has developed and tested a patented methodology to grow wildtype microalgae at scale, in controlled, land-based open raceway ponds, using free inputs such as Sun-Sea-Wind (hence Su-Se-Wi). Our London laboratory promotes interdisciplinary research between biology, chemistry, and engineering; with the aim to better understand the effects of environmental factors on algal physiology, productivity and stoichiometry. The research we produce is directly relayed back to our production facility in Morocco to further improve pond operations and enhance product yields.

About the Project:

AGRI-SATT (Agricultural Growth using Remote-sensing, IoT, Satellite and Autonomous Telecommand Technology) is funded by Innovate UK from the ISCF Future food production systems grant. The aim is to combine newly available, high-resolution spatial and temporal satellite data with key environmental and algal productivity data to create an effective, scalable, protein and food production method on desert land. The project is led by SuSeWi and includes the collaboration of academic partners (SAMS and Southampton University) and several subcontractors (Environmental Systems, BSC Global and Feed Algae Maroc).

Responsibilities:

- Maintenance and curation of our microalgae collection
 - Preparation of growth media and nutrients
 - Contributing to experimental design and setup
 - Assisting with data collection and analysis
 - Keeping consistent records of progress and results
 - Help with purchase orders and lab setup
 - General laboratory work (Stock management, Purchase Orders, Calibrations, Cleaning)
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Education, Training & Qualifications:

• Minimum BSc in Marine Biology, Microbiology, Plant Biology or related subject	Essential
• Experience and knowledge of algae and cyanobacteria biology	Essential
• Experience and knowledge of sterile microalgal cultivation techniques	Essential
• Basic IT (MS Office) and/or analytical chemistry skills (Benchtop sampling)	Essential
• Experience and knowledge of light microscopy for cell counts and identification	Essential
• Experience and knowledge of different cultivation methods (Batch, Chemostat, Turbidostat)	Desirable
• Experience and knowledge of seawater chemistry (carbonate and trace metal system)	Desirable
• Experience and knowledge of active fluorometry, spectroscopy or other optical measurements	Desirable

Specific Skills & Abilities:

• Good organisational skills	Essential
• Ability to prioritise and multitask	Essential
• Work independently and within a team	Essential
• Ability to effectively communicate and present findings (written and oral)	Essential
• Willingness to occasionally visit our Moroccan production site (Help setup training and experiments)	Essential

The position is available from 1st September 2020 for a period of 30 months, with the possibility of full-time employment thereafter. We offer standard pension contribution, holiday entitlement, and other optional benefits such as private healthcare. Please apply by submitting your CV and a single page Cover Letter to Raffael Jovine (raffael@susewi.life) or Toby Boatman (toby@susewi.life).