

Junior Scientist / Laboratory Technician

Location: Marshall Building, Dryden Farm, Roslin Innovation Centre,

Reporting to: Head of R&D and Lab Manager

Type: Full-time

Salary: £26,000/Year

Company: Carbogenics Ltd

Must have right to work in UK

About Carbogenics

Carbogenics is a science-driven cleantech company transforming hard-to-recycle organic wastes into high-value biochar materials that enhance industrial bioprocesses and enable circular, low-carbon solutions.

Our technologies support sectors including anaerobic digestion (AD), wastewater treatment (WWT), agriculture, and sustainable construction. Building on the success of our established biochar platforms, we are actively developing new and improved biochar materials to address key environmental and operational challenges.

As we expand our laboratory and product development activities, we are seeking a **Junior Scientist / Laboratory Technician** to support our R&D programmes and day-to-day lab operations.

The Role

This is an exciting opportunity to join a growing cleantech company at the forefront of sustainable carbon innovation.

The successful candidate will support laboratory-based research, product development, and analytical activities under the supervision of the Head of R&D and Lab Manager. The role combines hands-on experimental work with data handling and general laboratory coordination.

The position would suit someone with strong foundational laboratory training who is looking to build experience in applied industrial R&D within the environmental or materials sector.

Key Responsibilities

- Support laboratory-scale testing of new and improved biochar platforms
- Assist in experimental setup, monitoring, and data collection for projects related to anaerobic digestion and wastewater treatment
- Conduct routine physical and chemical analyses of materials and process samples

- Maintain accurate laboratory records and assist with data analysis and reporting
- Prepare samples for internal and external analytical testing
- Support pilot or demonstration-scale trials through laboratory-based analysis
- Contribute to maintaining laboratory organisation, consumables inventory, and equipment upkeep
- Ensure compliance with laboratory health and safety procedures

The exact balance of responsibilities may evolve as projects develop.

Candidate Profile

Essential

- BSc in Chemistry, Environmental Science, Chemical Engineering, Materials Science, Biotechnology, or related discipline with relevant laboratory experience

OR

Recently completed MSc in a relevant field

- Practical hands-on laboratory experience (academic or industrial)
- Understanding of basic analytical techniques and good laboratory practice
- Strong organisational skills and attention to detail
- Ability to work both independently and as part of a small R&D team
- Good written and verbal communication skills

Desirable

- Experience working with environmental samples, biomass, biochar, or related materials
- Familiarity with anaerobic digestion, wastewater treatment, or bioprocess systems
- Experience with data analysis tools (e.g., Excel or equivalent)
- Previous experience in an industrial or pilot-scale environment

What We Offer

- Exposure to real-world cleantech innovation and product development
- Opportunity to contribute to technologies supporting circular economy and net-zero goals
- Close mentorship from experienced R&D leadership
- A dynamic, collaborative, and purpose-driven working environment
- Opportunity to grow with a scaling technology company

How to Apply

Please submit:

- CV
- A brief cover letter outlining your laboratory experience and interest in working in applied environmental R&D