

12 Month Placement Student (Biotechnology) – Job Description

Role Purpose:

To contribute to the delivery and realisation of project work through preparation, development research and analysis work in line with the requirements of the Biotechnology business unit. This will involve applying scientific knowledge and learning new skills on a variety of lab process and equipment. The work will range from small scale development work, method development, process scale up, and involvement in the delivery of projects.

Key Responsibilities:

- Embrace and role model the desired behaviours to exemplify our Company values, promoting an ethical, positive company culture.
- To maintain consistent and documented compliance with all relevant Safety, Health and Environmental (SHE), Good Manufacturing Practice (GMP), Data Integrity (DI), quality and best practice requirements.
- To be responsible for discussing project needs; set up, plan, and execute scientific experiments and report results to agreed timescales.
- To be responsible for agreeing weekly work plans with line manager and project manager(s) and delivering plan to agreed schedule.
- To be responsible for providing clearly documented records of technical data, decisions, methodologies, calculations, and software use in an agreed format.
- To contribute to the delivery of Biotechnology projects through the delivery of microbiology/fermentation/downstream processing knowledge.
- To be responsible for general laboratory housekeeping
- To be responsible for liaising with the warehouse for collection of deliveries.
- To be responsible for the purchasing of chemicals, equipment, and other items as and when required.
- To share professional knowledge with colleagues and be responsible for own continuous professional development.
- To contribute to a culture of continuous capability development within teams in alignment with company strategy and project deliverables.
- To support the development of scalable fermentation processes from shake flask to 50 litre reactor scale.
- To support the set-up, operate and monitor microbial fermentation processes under batch, fed batch and continuous conditions following predefined protocols
- To support the routine maintenance of fermenters, identifying and escalating issues which may impact their performance and availability
- To support the design of experiment (DOE) to study the effect of multiple variables on fermentation performance and the effects of interactions between variables.

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Direct reports: No direct reports

Person specification

Education / Qualifications:

Essential:	Desirable:
<p>Educated to A-Level level (or equivalent) in Biology, Chemistry, or related subject.</p> <p>Currently enrolled in a relevant degree course.</p>	

Competencies and behaviours	
Leadership (Core)	Decision Making (Core)
<ul style="list-style-type: none"> Respects and values our diverse people and the differing talents, skills, and backgrounds that they bring to projects and day-to-day work. Has a positive influence on those they are in contact with. Gains the respect and confidence of colleagues and supports them in achieving their goals and targets. Aligns their behaviours and actions to our PRIDE values, vision, and goals. 	<ul style="list-style-type: none"> Within area of expertise recognises, identifies, and defines problems. Generates and evaluates alternatives, draws conclusion, and analyses risk. Takes timely and correct action using established methods to ensure effective solutions are implemented by working as a team and with and focused outcomes to be delivered.
Communication (Core)	Developing self and others (Core)
<ul style="list-style-type: none"> Communicates in a clear and concise manner, covering all relevant points in a timely manner. Uses the appropriate route and format to communicate. Confirms understanding of others communication. Asks questions to understand other people's viewpoints, keeping an open mind and embracing new ideas. 	<ul style="list-style-type: none"> Knows own career aspirations and clearly communicates them to relevant colleagues whilst actively working to achieve goals. Sets personal development goals and deploys strengths to achieve them. Takes responsibility for one's own performance and actions and invites and incorporates feedback from a variety of sources. Regularly reflects on own capabilities to identify development priorities.

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Collaboration (Core)	Delivery (Core)
<ul style="list-style-type: none"> Establishes effective working relationships with other colleagues. Builds and maintains a network of internal and external contacts. Actively seeks, values, and incorporates different views and ideas to broaden their prospective, embracing differing perspectives and unconventional ideas. 	<ul style="list-style-type: none"> Plans, prioritises, and leads own area of work to deliver specified and agreed outcomes (time and standard). Accurately scopes out length and difficulty of tasks, and repeatedly estimates correct amount of time needed for tasks. Refers to lessons learnt from other projects/ tasks with related scope. Acts with minimal supervision or direction by being purposely empowered to make decisions when needed. Pays attention to detail and delivers accurate and high-quality outputs.

Knowledge and Experience:

Essential:	Desirable:
<p>Working knowledge and broad experience of IT packages, particularly Outlook, Word, Excel, and PowerPoint.</p> <p>Will have demonstrated, laboratory experience in Biology, Chemistry, or a related field.</p>	<p>Possess knowledge of different steps involved in biologic process development and analysis.</p> <p>Knowledge of microbial cultivation</p> <p>Basic knowledge of microbial fermentation.</p> <p>Experience of writing up research findings and reports</p>

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Signature of Job Holder	
By signing this you confirm you have read, understood, and agree to work in alignment with the above job description.	
Printed name	
Signature	
Date	