

Job description

Job title	Fermentation Development Lead
Division	Development
Career Level	3
Responsible to	Head of Fermentation Development

INTRODUCTION

Porton Biopharma Ltd, Porton Down is a medium sized company performing a range of production, quality and development roles within pharmaceutical production, process and analytical development, quality control and quality assurance. The Company carries out the manufacture of Erwinase[®] and Anthrax Vaccine as well as contract manufacturing projects.

Development is a directorate of PBL and is a development and technology transfer Group playing a key role in the translational research activities of the company. Its role is to develop manufacturing processes and associated analytical methods for use in the cGMP production of bio-therapeutics and healthcare interventions. Development projects may comprise the development of research designs and/or the improvement of existing commercial processes. The Development Group is organized into 3 core teams responsible for in vitro culture processes, downstream processes and analytical methods development respectively.

JOB SUMMARY

The post holder will take the lead in the activities relating to the development of fermentation/ Upstream processes for native as well as recombinant protein expression. They will provide a scientific and technical specialism to projects involved in the development of processes for the manufacture of biopharmaceutical products. They will be required to work in multi-disciplinary teams, leading as required to deliver key objectives. They will lead in the generation of experimental designs, presentation of work to internal and external customers and the preparation of scientific publications, technical reports and project proposals. They will play a key role in the technology transfer activities relating to the development and/or manufacture of biopharmaceutical products internally or between Porton Biopharma and its collaborators/customers.

The post holder will be responsible for the preparation of project proposals for customers, and implementation of same, preparation and review of reports and presentation for both internal and external customers. Additionally, the post-holder will be required to maintain an interest in and investigate potential new products/ processes which may be of interest to the development of the directorate.

The post holder will also be responsible for supporting the head of the Fermentation Development in operational activities. This includes, but not solely limited to, recruitment, line management, staff performance, appraisals, supervision and training of the staff.

Communication and key working relationships

Internal

- Directorate Heads, Head of Fermentation Development, Operational Managers, Project Managers, Project teams, other parts of Porton Biopharma e.g. Safety, Business development, Manufacturing and Quality.

External

- Academic researchers, Scientists, Customers, Regulatory Authorities and Suppliers.

MAIN DUTIES AND RESPONSIBILITIES

- Be accountable to the Head of Fermentation Development for leading the fermentation development projects.
- Be responsible for the line management of junior staff including scientific management, performance management, supervision and training.
- To provide expert scientific and technical specialism in the area of Fermentation processing to projects involved in the improvement of existing and development and manufacture of new biopharmaceutical products.
- Develop improved strategies for microbial fermentation processes using scale down models, media development, strain development and scale-up.
- Plan and conduct lab scale up to pilot scale fermentation experiments employing DOE strategies.
- Play a key role in the technology transfer activities relating to the development and/or manufacture of biopharmaceutical products internally or between Parton Biopharma and its collaborators/customers.
- Assist senior management in developing scientific and technical strategy of the project or derived projects, identifying new opportunities as they arise and responding to funding calls or customer enquiries.
- Take responsibility for the initiation and implementation of research and development activities for new projects within the area of expertise.
- Provide reports and project proposals, presentations and liaise with customers as well as dealing with enquiries as necessary.
- To critically review internal and external technical documents.
- Prepare project plans, proposals, reports, publications, monitor and report progress against agreed timelines as required by Project Managers.
- To contribute to or take the lead on publications in national and international journals.
- To ensure that project teams undertake work in accordance with the organisation's Code of Safety Practice and to work within any Quality Systems that are applicable to the site.
- Maintain an awareness of cGMP and other regulatory requirements and apply that understanding in the development and technology transfer of processes for new pharmaceutical products.
- To comply with all PBL policies and procedures.
- Deputise, when required, for the Head of Fermentation Development.

Other

The above is only an outline of the tasks, responsibilities and outcomes required of the role. You will carry out any other duties as may reasonably be required by the directorate.

The job description and person specification may be reviewed on an ongoing basis in accordance with the changing needs of the organisation.

Professional development

You should pursue a programme of continuous professional development in accordance with any relevant professional registration or statutory requirements,

while maintaining appropriate awareness of service provider requirements.

You should adhere PBL values and behaviors:

- Passion
- Respect
- Integrity
- Diligence
- Excellence in Execution (E²)

Person specification

	Essential	Desirable
Eligibility		
Current, valid Right to Work in the UK	<input checked="" type="checkbox"/>	
A good standard of written and spoken English Language	<input checked="" type="checkbox"/>	
Qualification		
Higher degree in a relevant scientific discipline - MSc or equivalent	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PhD in a biotechnological or relevant scientific discipline	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Knowledge and experience Experience as defined by type/level (not length)		
Several years relevant laboratory experience of microbial fermentation processes and media development (small scale to pilot scale), strain development, scale-up, DOE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Experience of working within a commercial bio-pharmaceutical environment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Experience in line management of staff	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Participation in multidisciplinary project teams	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technology transfer & Process validation experience	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Experience in handling of pathogenic microorganisms and toxic products	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Understanding of GMP and other regulatory requirements	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Understanding of product and process life cycle	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Skills and capabilities		
Proven leadership track record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical writing of project plans, protocols, scientific publications, project reports etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Working to a Quality/safety system (i.e. ISO)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proven oral and written communication skills	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proven ability to lead projects	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ability to work in project teams and to plan own and others work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Delivery of project milestones to agreed timescales	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equality and diversity		
An understanding of and commitment to equality of opportunity and good working relationships, both in terms of day-to-day working practices, but also in relation to management systems	<input checked="" type="checkbox"/>	

Job description agreed with the post holder:

Employee Name:	Date:
Employee Signature:	

Manager Name:	Date:
Manager Signature:	