



**PHICO
THERAPEUTICS**

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Research Scientist - Microbiology

37.5 hour per week; 25 days holiday; Salary £25-30k, depending upon experience

Phico Therapeutics is a biotechnology company developing novel drugs for the treatment of bacterial infections, to address the serious issue of increased antibiotic resistance worldwide. Phico's revolutionary SASPject technology uses tailored delivery vehicles to deliver the gene for antibacterial protein, SASP. Initial targets are *Pseudomonas aeruginosa* and *E. coli/Klebsiella pneumonia*.

The individual must have a degree in biology, microbiology, biotechnology, biochemistry or related biological sciences degree and preferably an MSc in a related field. Candidates without a degree but with relevant industrial microbiology experience will be considered. The role will include extensive work in a category 2 laboratory involving high throughput derivative screening, cataloguing of clinical isolates and management of viral stocks. Experience of working with bacteriophage or developing novel antimicrobial therapeutics would be highly advantageous.

The successful candidate will be working as a part of the microbiology development team, at Phico's labs and offices at Bourn, Cambridgeshire.

Key duties and responsibilities include (but are not limited to)

- Host range screening of bacteriophage
- Preparation, storage and management (including QC checks) of bacterial and viral stocks.
- Time-kill exposure experiments
- Resistance testing by passage studies.
- Adhering to documented procedures for all aspects of laboratory work, ensuring that all relevant information concerning samples is recorded, that samples are handled correctly, and that all necessary data are maintained.
- Effectively and proactively plan weekly laboratory work to ensure timely completion of required tasks.

- Demonstrate an awareness of key quality control requirements and implement measures to fulfil them during routine laboratory work.
- Ensure the timely and accurate recording of data in both electronic and paper formats.
- Maintaining a daily laboratory book and provide weekly a written report of laboratory activities.
- Supervise and train junior members of staff where appropriate.
- Devise, plan and execute new techniques and experiments for both themselves and junior members of the team (where appropriate).
- Demonstrate the ability to work independently, correctly identifying problems and using critical thinking processes to problem solve.
- Demonstrate the ability to work as a key member of a small team and the ability to engage with all members of the team.
- Work overtime as and when required to complete tasks or support activities such as daily passaging. Occasional weekend and out of hours working, according to the requirements of the company.
- Possible attendance at sub-contractor sites to train operators which could involve overnight stays or overseas travel.
- Conform to company health and safety procedures.
- Preparation of reports and presentation of data at company meetings
- Write and review protocols and Standard Operating Procedures as needed.