



## New Solutions Development Manager: Job Description

Location: Reading, UK

Salary: Competitive, plus share options

Reports to: Head of R&D

### About BigSis

BigSis (<http://bigsis.tech>), a UK start-up, is building a broad portfolio of sustainable insect control solutions based on the sterile insect technique that could substitute the majority of the £12.5bn chemical insecticides in use today. We are currently focused on scaling our highly automated production and expanding our capacity for trials and operational projects in the field.

### Purpose and responsibilities

The New Solutions Development Manager will play a key role in developing BigSis sustainable insect control solutions. You will lead research and development projects for new targets and solutions. You will also be responsible for the management of our insectary, which supplies insects for other research programmes within the company. You will lead a team of scientists and laboratory assistants to carry out experiments and support insect production. You will lead, motivate and inspire the team to encourage progress and create a positive and a constructive team culture. There will be substantial opportunity for personal growth as the company continues to expand its operations.

Responsibilities will include:

- Develop future BigSis pest control solution from initial desk studies, through comprehensive laboratory-based research to readiness for field trials
- Procure and maintain colonies of relevant insect species
- Develop, implement and improve processes to produce and quality control sterile insects
- Build and develop a team of scientists and lab assistants
- Plan and execute a program of experiments to provide actionable information about the individualised rearing, sex-sorting and sterilisation of various species
- Coordinate with other program leaders the demand for insects and manage production to ensure timely delivery
- Communicate effectively to different audiences the progress and outcomes of the work undertaken
- Proactively identify and mitigate risks related to insectary maintenance, colony monitoring and quality assurance including through documented SOPs and risk assessments

### Qualifications and experience

- Master's degree (minimum) or Doctorate degree (desirable) in Entomology or related subject

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- Relevant professional work experience with significant amounts of experience directly related to rearing insects
- Experience in training entomology assistants on insect rearing activities
- Evidence of effective management and planning of an insectary
- Demonstrated leadership and team work skills
- Experience in organising, prioritising and completing work to high standards and to tight deadlines
- Good understanding of data processing and statistical analysis
- Knowledge of Microsoft Office, particularly Excel, Word and PowerPoint

### Personal attributes

Important personal qualities in the unstructured and fast-changing environment of a start-up are:

- Energy, ambition and commitment to ensure the job gets done
- Honesty, integrity and openness to ensure we build a great company culture
- Flexibility to changes in priorities and adaptability to new ideas

### Application process

To be considered for this role, please send a CV and cover letter to [info@bigsis.tech](mailto:info@bigsis.tech) explaining why you think you are the right person for this job. Please include information about your education, work experience and current salary.

BigSis is an equal opportunities employer. Applicants will be considered without attention to age, sex, race, disability, pregnancy, marital status, sexual orientation, gender reassignment and religious background.