

JOB DESCRIPTION

Senior / Research Associate in Photosynthetic Biotechnology, LEC

Vacancy Ref: A3364

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| Job Title: Senior / Research Associate in Photosynthetic Biotechnology | Present Grade: 6 / 7 |
| Department/College: Lancaster Environment Centre | |
| Directly responsible to: Dr Marjorie Lundgren | |
| Supervisory responsibility for: Some informal supervision of lab technician and postgraduate students | |
| Other contacts Internal: Research staff and students within the Photosynthesis Research Team and the Lancaster Environment Centre. Admin staff. External: John Innes Centre | |
| Major Duties: <ul style="list-style-type: none"> • Be responsible for the design, preparation, and completion of experiments that address the project objectives, specific to a comprehensive <i>Brassica</i> transformation program, including <ul style="list-style-type: none"> ○ Primer design ○ DNA/RNA extraction, PCR, qPCR, tissue culture, inoculations ○ Preparing specialist media, ○ Working under aseptic laminar flow hood conditions, ○ Germination and care of transformed plant products under contained growth conditions • Research and perform appropriate statistical analyses and interpret results • Conceive and prepare publications as both lead author and co-author • Present research at internal and external meetings, including national and international conferences. • Complete project milestones in an organized and timely fashion. • Ensure any project IP rules are adhered to. • Liaise with colleagues to resolve practical and theoretical problems concerning methodology, analysis and ethics that arise whilst conducting research. • As requested, engage in collaboration with national and international co-investigators • Review the literature, keep up to date with relevant scientific advances, including methodologies/SOPs, e.g. through membership of professional or academic bodies/societies and by attending relevant training courses and meetings. • Make new connections with researchers from different but related areas, who share a common interest. Engage with colleagues, collaborators and project co-investigators. • Explore research areas for added value to the project and, where appropriate, seek possible sources of funding for such activities. • Help train undergraduate and postgraduate students and lab staff in lab techniques, as required. • Be knowledgeable of standard operating procedures and the use of equipment. • Follow health and safety guidelines. • Any other duties as may be reasonably required by the line manager | |