

**JOB DESCRIPTION**

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| **Job Title:** Senior Research Associate/Research Associate in Plant Physiology and Anatomy | **Present Grade:** 6 or 7 |
| **Department/College:** Lancaster Environment Centre | |
| **Directly responsible to:** Dr Marjorie Lundgren | |
| **Supervisory responsibility for:** Some informal supervision of lab technicians and postgraduate students | |
| **Other contacts** | |
| **Internal:** Research staff and students within the Photosynthesis Research Team and the Lancaster Environment Centre. Admin staff. | |
| **External:**  NA | |
| **Major Duties:**   * Be responsible for the design and completion of experiments that address the project objectives, including   + Phenotyping physiological traits using a LI-6800 portable photosynthesis machine   + Performing leaf histology techniques and immunolocalizations to characterize photosynthetic phenotypes   + With training, help to collect and analyze spatial leaf transcriptomic data on leaf tissue in cross-section * 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. * Lead health and safety effort in lab group. * Any other duties as may be reasonably required by the line manager | |