

**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
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