JOB DESCRIPTION
Senior Research Associate in Plant Physiology and Anatomy
Vacancy Ref: A3358

Job Title: Senior Research Associate in Plant Physiology and Anatomy	**Present Grade:** 7P
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: 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, 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.
- Follow health and safety guidelines.
- Any other duties as may be reasonably required by the line manager