

 **Job description**

**Senior/ Research Associate in Plant Molecular Physiology**

**Ref: XXXX**

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| **Job Title:** Senior/ Research Associate in Plant Molecular Physiology | **Present Grade:** 6/7 |
| **Department/College:** Lancaster Environment Centre |
| **Directly responsible to:** Dr Douglas Orr |
| **Supervisory responsibility for:** n/a  |
| **Other contacts** |
| **Internal:**Principal investigators, research staff and students within the Plant Biology discipline group and the Lancaster Environment Centre. Administration staff. |
| **External:**Project partners at Durham University, other stakeholders as needed.  |
| **Major Duties:*** Contribute to / Be responsible for the design of experiments that address the project objectives by testing specific hypotheses.
* Lead research to advance the understanding of Rubisco activity and its manipulation to improve photosynthetic productivity.
* Contribute to / Lead the generation of novel germplasm designed to alter Rubisco activity. Characterise the photosynthetic performance of novel germplasm.
* Research and perform appropriate statistical analyses. Develop custom statistical methods and algorithms, as required. Interpret and discuss results.
* Prepare / Lead the conception and preparation of manuscripts for publication of project findings.
* Participate in, and disseminate research at, internal and external meetings, including international conferences.
* Plan and manage own research activities and priorities, as required, to meet project targets. Complete project milestones in an organized and timely fashion.
* Contribute to the preparation of project reports for the funder and stakeholders.
* Liaise with colleagues to resolve practical and theoretical problems concerning methodology, analysis and ethics that arise whilst conducting research.
* Be knowledgeable of standard operating procedures. Contribute to the development of protocols and workflows, as required.
* Follow health and safety guidelines. Contribute to risk assessments, as required.
* Help train / Co-supervise students and colleagues. Share technical, analytical and theoretical knowledge.
* Engage in collaborations with colleagues and co-investigators, locally and internationally.
* Any other duties as may be reasonably required by the line manager.
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