

Job description

Senior/ Research Associate in Plant Molecular Biology

Ref: A3511

Job Title: Senior/ Research Associate in Plant Molecular Biology	Present Grade: 6/7
Department/College: Lancaster Environment Centre	
Directly responsible to: Prof Elizabete Carmo-Silva	
Supervisory responsibility for: n/a	
<p>Other contacts</p> <p>Internal: Faculty, research staff and students within the Photosynthesis research team and the Lancaster Environment Centre. Admin staff.</p> <p>External: Project partners at University of Cambridge, University of Essex, and other institutions within the CAPITALISE consortium. Other stakeholders as necessary.</p>	
<p>Major Duties:</p> <ul style="list-style-type: none"> • Contribute to / Be responsible for the design of experiments that address the project objectives by testing specific hypotheses. • Lead the identification of diversity in Rubisco activity and regulation in selected germplasm of barley, tomato and maize. • Lead the molecular and biochemical characterisation of Rubisco activase properties. Contribute to the design of engineering approaches to adjust the expression of Rubisco activase variants. • 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. Ensure 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. • 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 students and colleagues by sharing technical, analytical and/or 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. 	