

Job description

Senior Research Associate

Ref: A2771

Job Title: Senior Research Associate - Bioinformatician (RIPE)	Present Grade: 7
Department/College:	Lancaster Environment Centre
Directly responsible to:	Dr Elizabete Carmo-Silva
Supervisory responsibility for:	n/a
Other contacts Internal: Prof Martin Parry, research staff and students within the Photosynthesis research team and the Lancaster Environment Centre. Admin staff. Colleagues at the Data Science Institute. External: Project partners at University of Illinois and other institutions within RIPE. Colleagues at the Earlham Institute. Stakeholders as necessary (e.g. BMGF, FFAR, DFID, BBSRC).	
Major Duties: <ul style="list-style-type: none"> • Be responsible for the design of experiments that address the project objectives, including Genome Wide Association Studies of photosynthetic and biomass traits in cowpea and soybean. • Conceive and prepare publications for high impact journals as lead author. • Contribute to team projects by leading gene expression analysis. • Develop custom statistical genetics methods and algorithms. • Resolve practical and theoretical problems concerning methodology, analysis and ethics that arise whilst conducting research. • Ensure adequate paper work is in place (including protocols, workflows, risk assessments, etc). • Present research at internal and external meetings, including major international conferences. Present research at RIPE annual meetings. • Plan and manage own research activities and priorities, as required to meet project targets. • Complete project milestones in an organized and timely fashion. Write project reports for the funder and stakeholders. Ensure all project IP rules are adhered to. • Review literature in a timely manner. Keep up-to-date with advances in this scientific area, including methodologies/SOPs, for example through membership of professional or academic bodies/societies and by attending relevant training courses. • Make new connections with researchers from different but related areas, who share a common interest. Engage with colleagues, collaborators and project co-investigators. Implement inter-objective collaborations to reach the overall goals of RIPE. • Explore key research areas for added value to the project, and where appropriate seek possible sources of funding for such activities. • Any other duties as may be reasonably required by the line manager. 	