

Job description

Post title and post number	Research Fellow in Forest Ecosystem Processes - 58179
Organisation advertising Description	School of Biosciences

Job summary

The Research Associate will have a central role in designing, coordinating and undertaking forest ecosystem process research within cutting edge the Free Air CO₂ Enrichment program of the Birmingham Institute of Forest Research (BIFoR-FACE). In this role, the incumbent will collaborate with others to ensure the success of the strategic aims of the BIFoR-FACE programme and participate in all aspects of research, from design over data collection, quality control and statistical evaluation through to presentation and publication results. The research associate will undertake field intensive measurements at the BIFoR-FACE site.

Main duties

Research

To participate in planning and to carry out research in forest ecosystem processes in the BIFoR-FACE programme, using a range of cutting edge methodology and techniques, to meet the strategic goals of BIFoR-FACE. This may include as required:

- Participate creatively in all BIFoR-FACE activities
- Pursue research and collaborations as a collegiate member of the Birmingham Institute of Forest Research (BIFoR) and the School of Biosciences
- Plan, execute and publish research that is internationally excellent/world-leading in terms of originality, significance and rigour
- In so doing contribute to the University, College, and School REF 2021 return and beyond
- Work with colleagues across the college and university to influence major funding calls and securement of funds from such calls
- Project manage and coordinate research activities, and/or supervise other research staff
- Present findings in high quality publications and through highly visible international conference presentations
- Use and improve cutting edge methodologies and techniques appropriate to the type of research being pursued; examples might include (but are not restricted to) stable isotopes in ecosystem processes, plant ecophysiology, remote sensing of forest canopy and structure, tree stress physiology and biochemistry, or forest water relations.

Management/Administration

To contribute to BIFoR-FACE programme administration. This may include:

- Contribute to the administration/management of the research programme
- Contribute to public engagement events as required
- Advise on personal development of colleagues and students
- Contribute to knowledge transfer, enterprise, business engagement, public engagement, widening participation, schools outreach.

Skills and Experience

- A PhD in a relevant area of environmental plant sciences, forest sciences, or ecosystem processes; preferentially with strong field work experience;
- Demonstrated initiative in completing scientific investigations from design through data collection and evaluation to publication;
- A record commensurate with stage of career of publications in well regarded peer reviewed academic journals;
- Excellent communication, written and presentation skills.
- Ability to assess and organise resources effectively

Equal Opportunities

The University of Birmingham is an equal opportunities employer and we welcome applications from currently under-represented groups.

The School of Biosciences holds a Bronze Athena SWAN award. We welcome flexible working to suit family or other commitments. The University has on-campus childcare facilities.