



UNIVERSITY OF LEEDS

## CANDIDATE BRIEF

Research Fellow in Atmospheric Particulate Science

Faculty of Environment



**Salary: Grade 7 (£33,797 – £40,322 p.a.)**

**Reference: ENVEE1368**

**Closing date: 1 January 2020**

**Interview Date: Expected to take place 20 January 2020**

**Fixed term for 9 months (due to external funding)**

**We will consider job share / flexible working arrangements**

## **Research Fellow in Atmospheric Particulate Science School of Earth and Environment, Faculty of Environment**

**Are you an ambitious researcher looking for your next challenge? Do you have a background in atmospheric science? Do you want to further your career in one of the UK's leading research intensive Universities?**

We are searching for a specialist in experimental atmospheric analysis to work as a Research Fellow on the remaining 9 months of the ongoing UK Natural Environment Research Council funded Large Grant Project Black and Bloom (Microbial processes darken and accelerate the melting of the Greenland Ice Sheet). You will be focusing on research related to atmospheric particulate research.

The aim of the post is to carry out research related to atmospheric processes and particulate aerosol delivery to the Greenland Ice Sheet. You may be part of a field campaign to Greenland, which will aim at assessing how for example BC aethalometer data and optical particle counter size distributions can be integrated with other organic and inorganic analyses of airborne particulates.

You will have a PhD and research experience in atmospheric science with a strong track-record in sample collection and data analysis ideally with a particular focus on aerosols.

### **What does the role entail?**

As a Research Fellow, your main duties will include:

- Being part of a field campaign to Greenland in 2020 to collect in situ and time resolved particulates from airborne sources;
- Analysing particle size distributions and chemical signals from collected samples and linking these to meteorological data sets;
- Contributing to existing data sets for publication in high quality, peer reviewed journals and presenting results at national and international meetings;
- Generating and pursuing independent and original research ideas in the appropriate subject area;
- Developing research objectives and proposals and contributing to setting the direction of the research project and team;
- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;



- Becoming an important member of the ICAS in the School of Earth and Environment in Leeds and spend some time at the German Research Centre for Geosciences, GFZ, in Potsdam Germany, a Black and Bloom collaborating partner, in order to interface with other particulate analysis specialists;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

## What will you bring to the role?

As a Research Fellow you will have:

- A PhD and research experience in a relevant area of atmospheric science with a strong track record in aerosol research, especially experimental and analytical approaches;
- A willingness and ability to participate in field work in challenging environments;
- Demonstrable experience in characterization of complex aerosols;
- A proven track record of peer-reviewed publications in high impact factor journals;
- Good time management and planning skills, with the ability to meet tight deadlines, manage competing demands and work effectively under pressure without close support;
- Excellent written and verbal communication skills including presentation skills and ability to collaborate with various national and international partners;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

## How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.



## Contact information

To explore the post further or for any queries you may have, please contact:

### **Dr Jim McQuaid, Leeds Project Lead Investigator**

Tel: +44 (0)113 343 6724

Email: [j.b.mcquaid@leeds.ac.uk](mailto:j.b.mcquaid@leeds.ac.uk)

### **Professor Liane G. Benning, GFZ partner PI**

Email: [benning@gfz-potsdam.de](mailto:benning@gfz-potsdam.de)

## Additional information

Find out more about the [Faculty of Environment](#)

Find out more about the [School of Earth and Environment](#).

Find out more about [Athena Swan](#) in the Faculty.

Find out more about our [Research and associated facilities](#).

### **A diverse workforce**

The Faculty of Environment has received a prestigious Athena SWAN silver award from [Advance HE](#), the national body that promotes equality in the higher education sector. This award represents the combined efforts of all schools in the Faculty and shows the positive actions we have taken to ensure that our policies, processes and ethos all promote an equal and inclusive environment for work and study.

### **Working at Leeds**

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

### **Candidates with disabilities**

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at [disclosure@leeds.ac.uk](mailto:disclosure@leeds.ac.uk).



## Criminal record information

### Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

