

Senior Research Fellow: Sustainable Bioenergy Systems



OPPORTUNITY

Where change
gets real.



Reference: 0381-24

Grade: 10

Salary: £63,029 per annum

Contract Type: Fixed term (6 months)

Basis: Full time

Job description

To contribute to, develop and lead research activities of the Institute either independently or as part of a team, through professional practice and expertise. In addition, to exploit external links with regional, UK and international bodies such as government agencies, schools, colleges, professional bodies, business, and industry as appropriate to the subject discipline, Institute and/or University strategy.

Senior Research Fellows will have a developing international research profile and reputation leading to ongoing collaborative research both nationally and internationally.

Main duties and Responsibilities

Research

- ▶ To lead and manage a short project on low carbon fuels for the glass industry
- ▶ To write a publishable report for the industrial partner on sustainable fuels and feedstocks for the glass sector
- ▶ To disseminate research findings at meetings, presentations, and academic conferences
- ▶ To secure public engagement by communicating research widely to benefit society and to promote the subject and the University.
- ▶ To support development of external research funding streams for collaborative research projects
- ▶ To collaborate in initiatives with colleagues in the Institute, the Supergen Bioenergy hub and with wider external stakeholders
- ▶ To conduct research capable of demonstrating impact e.g., research which has the potential to benefit the economy, society, culture, public policy or services, health, the environment, or quality of life.
- ▶ To supervise PhD and other postgraduate students to completion.
- ▶ To manage and/or supervise research staff as well as formally and informally mentoring colleagues in research. To provide developmental feedback to junior colleagues and foster a research environment within the Institute.

Teaching

- ▶ To undertake a limited amount of teaching, contributing to teaching and learning programmes in the School including the assessment of student knowledge and the supervision of projects
- ▶ Extend, transform, and apply knowledge acquired from scholarship to research and appropriate external activities
- ▶ Use a range of delivery techniques to enthuse and engage staff and/or student

External engagement

- ▶ To represent the interests of the subject and Institute via activities to raise the regional, national, and international profile, particularly with the professions, schools, and businesses.
- ▶ Where appropriate to lead translational research with external collaborators, establishing partnerships with outputs such as commercialisation, patents, improved practice, policy formulation and professional development.
- ▶ To forge relationships with the professional bodies and other bodies representing relevant professional interests.
- ▶ To secure industry funding with an established strategy for ongoing collaboration.

Citizenship

- ▶ To carry out specific (School) roles and functions as may be reasonably required e.g., Head of Department, Programme Director, Personal Tutor, Admissions Tutor).

- ▶ To take part in and, if required, manage staff seminars, cross-departmental activities and events e.g., Open Days, Sixth Form Conferences, Degree Ceremonies etc.
- ▶ To take part in the meetings and activities of the Academic Department and, on occasion, act as chair of one or more of the School committees, these responsibilities being equitably distributed across the academic staff.
- ▶ To demonstrate the University's leadership values through own actions and behaviour.
- ▶ To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

Additional responsibilities

- ▶ Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others.
- ▶ Ensure and promote the personal health, safety and wellbeing of staff and students.
- ▶ Carry out duties in a way which promotes fairness in all matters, and which engenders trust.
- ▶ Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.

Person specification

	Essential	Method of assessment
Education and qualifications	<p>A good first degree in engineering, science, or related discipline.</p> <p>A doctorate in a relevant academic discipline.</p> <p>Knowledge of low carbon fuels and sustainability assessment.</p>	Application form
Experience	<p>Experience of carrying out life cycle and sustainability assessments.</p> <p>Experience of identifying and securing competitive research funding through high quality bids.</p> <p>Experience of successfully delivering high quality collaborative research acting as Principal Investigator.</p> <p>Experience of publishing research in high impact, high quality publications of national and international standing.</p> <p>Experience of presenting at national and international conferences/ seminars etc.</p> <p>Experience of positive collaboration within and outside of candidate's immediate research team.</p>	Application form and interview
Aptitude and skills	<p>Ability to maintain an ongoing research programme and to publish in high quality publications.</p> <p>Excellent verbal and written communication skills to disseminate research findings at conferences/ exhibitions etc.</p> <p>Ability to manage a research project team, motivating the team to a successful research outcome.</p>	Application form and interview

	Essential	Method of assessment
	<p>Ability to maintain an established research reputation with ongoing national and international research collaboration.</p> <p>Ability to build and develop links with industry and the professions and to secure research funds from external sources.</p> <p>Ability to harness IT as a research and teaching tool.</p> <p>A willingness to undertake further training as appropriate and to adopt new procedures as and when required.</p> <p>Ability to coherently communicate complex concepts to a variety of professional audiences</p>	

	Desirable	Method of assessment
Experience	Experience of working with academic and non-academic stakeholders on sustainability.	Application form and interview
Aptitude and Skills	Knowledge and understanding of interdisciplinary, sustainability issues relevant to biofuels	Application form and interview

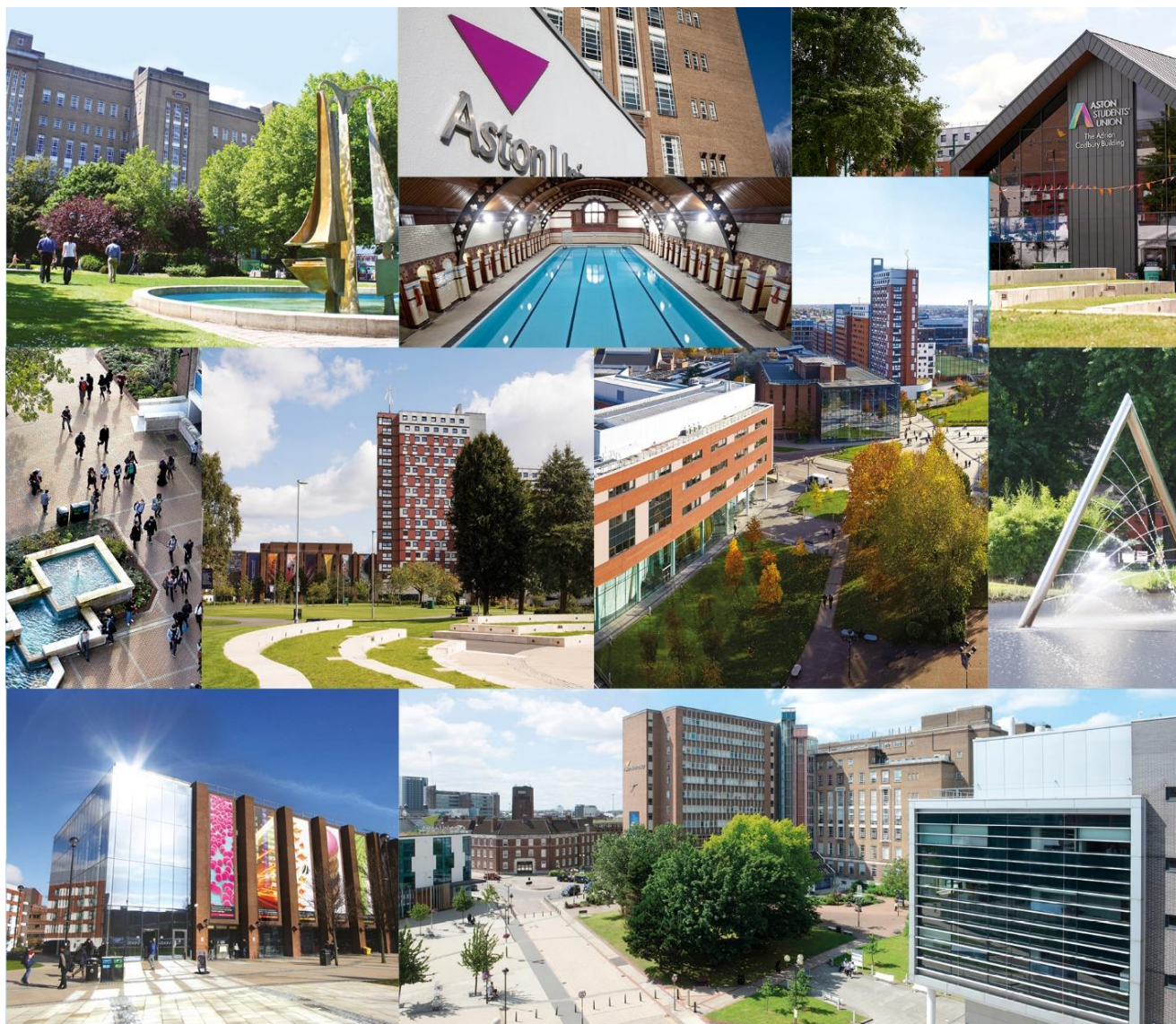
How to apply

You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23:59pm on the advertised closing date.
All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted.

If you require a manual application form, then please contact the Recruitment Team via jobs@aston.ac.uk.



Contact information

Enquiries about the vacancy:

Name: Patricia Thornley

Job Title: Director Of EBRI

Email: p.thornley@aston.ac.uk

Enquiries about the application process, shortlisting, or interviews:

Recruitment Team via jobs@aston.ac.uk or 0121 204 4500.

Additional information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits Aston University staff enjoy.

Salary scales: <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

Benefits: [Benefits and Rewards | Aston University](#)

Working in Birmingham: <https://www2.aston.ac.uk/birmingham>

Employment of Ex-Offenders: Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they are applying for is listed an exception under the act.

Eligibility to work in the UK: You should ensure that you meet the eligibility requirements, including meeting the [English language standards](#). If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful. Please see UKVI guidance for further information on eligibility, knowledge of English requirements and approved test centres <https://www.gov.uk/tier-2-general>

With the end of free movement for EU/EEA/Swiss nationals from 1 January 2021, the UK's new immigration system applies to all non-UK/Irish nationals who require a visa.

Where an individual is subject to UK immigration control, they will require a visa to work in the UK.

The following individuals do not need a visa for the UK, but do still have to prove their right to work before employment can commence:

- **British Citizens or Irish Nationals**
- **EU/EEA/Swiss nationals with Settled or Pre-settled status under the EU Settlement Scheme**
- **Non-EEA nationals with Indefinite Leave to Remain/Settlement in the UK**

The main routes available for those who need a visa to work in the UK are **Skilled Worker**, **Global Talent**, and the **Graduate Route**.

You can find further information about each of these visa routes on our [candidate immigration page](#).

If you will conduct research in your role, you may need to apply for and obtain ATAS clearance before Aston can issue a Certificate of Sponsorship for your visa application. Please see below for further details.

Academic Technology Approval Scheme (ATAS): If you will conduct research in your role and you apply for a Skilled Worker or Temporary Worker GAE visa, you may need to apply for and obtain ATAS clearance before Aston can issue a Certificate of Sponsorship for your visa application.

This process can take at least 6 weeks to process, and Aston will consider this when confirming your expected start date. Processing times will increase between April and September and can longer to complete.

There is no fast-track option available. ATAS certificates will be processed in order of receipt.

You can find more information about ATAS on our [candidate immigration page](#).

Before you start and Right to Work

90-day entry vignette

If you have applied for your visa outside of the UK, you will receive a vignette in your passport which is usually valid for 90 days. Please make sure to travel to the UK within the 'valid from' and 'valid to' dates on this visa. If you entered the UK before or after these dates, you would not 'activate' the visa and you would need to leave and re-enter the country.

You will also receive a decision letter confirming details about your immigration permission and where to collect your Biometric Residence Permit.

Cost of Living - Estate and Letting Agents

There are numerous Estate and Letting Agents in and around Birmingham that can help you find suitable accommodation. The [Midland Landlord Accreditation Scheme](#) provides a list of professional agencies and landlords who have applied with them for accreditation. Whilst accreditation is not a guarantee of quality, it provides some reassurance about the standard of the service they provide.

You can also use property search websites such as [Rightmove](#) or [Zoopla](#).

Equal Opportunities: Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national, and international level.

The University will endeavour not to discriminate unfairly or illegally, directly, or indirectly, against student or potential students, staff, or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

Data Protection: Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.

Full details of our terms and conditions of service and associated policies and procedures are available online at <https://www2.aston.ac.uk/staff-public/hr/policies>

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[aston.ac](https://www2.aston.ac.uk)



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