



IMPACT

Knowledge Exchange Associate – Biological Processes and Sustainability

Reference: R220290

Salary: £34,304 to £40,927 per annum. Grade 8, depending on experience

Contract Type: Fixed Term until 30 June 2023

Basis: Full Time

Job description

Job Purpose:

The purpose of the role is to provide technical and scientific expertise and experience to local/regional companies to support major energy systems and bioproducts demonstration, research and knowledge transfer. The role is required to work closely with academics and technologists in the Energy and Bioproducts Research Institute (EBRI) and other Aston University departments as well as business development professionals in the University in order to support new industry related business and research projects. Specifically the post will work on projects with businesses to provide technical support and develop collaborative funding opportunities with locally based businesses.

This is an exciting opportunity to play a role in developing the next generation of renewable energy as a practical technology for business. As part of the knowledge exchange technical team at EBRI at Aston University you will help bridge the gap between science and industry to deliver lasting benefits to the regional economy.

The European Regional Development Funded (ERDF) project will require you to provide scientific and technical support to the team. The role involves carrying out experimental programmes based on computer models of sourcing decisions, supply chains and markets, evaluation studies and desk studies. You will also be a source of practical knowledge and expertise on the implementation of key bioenergy technologies and provide support to businesses in the West Midlands region. Research and support activities will focus particularly on sustainability and life cycle assessments affecting adoption, development and implementation of renewable energy technologies and bioproducts. The role will also require you to present to audiences and participate in collaborative funding applications with industry.

The role will build on the expertise of the Aston Engineering Systems and the work done with businesses as part of the previous EBRI ERDF project including business value chain opportunity analysis reports. Duration of the post is two years with a possible an extension to three years.

Main duties and responsibilities

- ▶ To carry out or contribute to focused energy value chain and life cycle assessment related to the needs of businesses in the West Midlands area as defined by the project team.
- ▶ To carry out or contribute to the production of reports to support businesses including the analysis of sustainable opportunities for SMEs.
- ▶ To develop and maintain knowledge of waste to energy and bioenergy technologies, in particular relating to bioenergy value chains and the diverse range of companies that supply and support this field.
- ▶ To support the development and application of computer models of waste to energy, bioenergy and bioproducts value chain formation and management.
- ▶ To provide technical and scientific support to the Business Engagement Team and the other members of the EBRI team as required.
- ▶ To create and deliver effective presentations to business audiences.
- ▶ To support the development, writing and preparation of bids for collaborative research and development projects.

- ▶ To develop collaborative projects with businesses located in the West Midlands area supported by the ERDF/ESIF project ideally leading to future funded or commercially beneficial activities.
- ▶ To write up research work for publication.
- ▶ To participate in the dissemination of research findings.

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	Postgraduate level qualification in Chem Engineering, Sustainability Management or other relevant field.	Application form
Experience	<p>Industrial experience in a relevant area.</p> <p>Experience of report writing in a business environment.</p> <p>Experience of making presentations to a diverse audience.</p> <p>Experience of working in a team to achieve collective goals.</p> <p>Practical and scientific knowledge of analysis of value chains, life cycle analysis and their applications.</p> <p>Experience of developing technical and economically viable solutions.</p>	Application form, interview and presentation
Aptitude and skills	<p>Excellent ability to present research outputs to different audiences including businesses, academics, policy makers and practitioners.</p> <p>Ability to produce project reports to a high standard.</p> <p>Excellent team working, communication and interpersonal skills.</p> <p>Proficiency in using Microsoft Word, Excel and PowerPoint.</p> <p>Proficiency in data analysis using well-known software to support the process.</p> <p>Ability to understand the motivations of business.</p>	Application form, interview and presentation

	Essential	Method of assessment
	<p>Ability to work with a range of disciplines to develop solutions.</p> <p>Ability to work independently and unsupervised.</p> <p>Willingness and ability to travel within the UK to undertake fieldwork and attend partnership meetings.</p> <p>Willingness to undertake training and development relating to the project if/when required.</p>	

	Desirable	Method of assessment
Education and qualifications	<p>Project management qualifications.</p> <p>Professional industry qualifications.</p>	Application form
Experience	<p>Experience of working in a consultancy environment.</p> <p>Knowledge and experience of technical assessment.</p> <p>Experience with applying both qualitative and quantitative methods to supply chain management research.</p> <p>Experience of writing funding proposals. Ability to use Life Cycle Assessment software.</p>	Application form and interview

How to apply

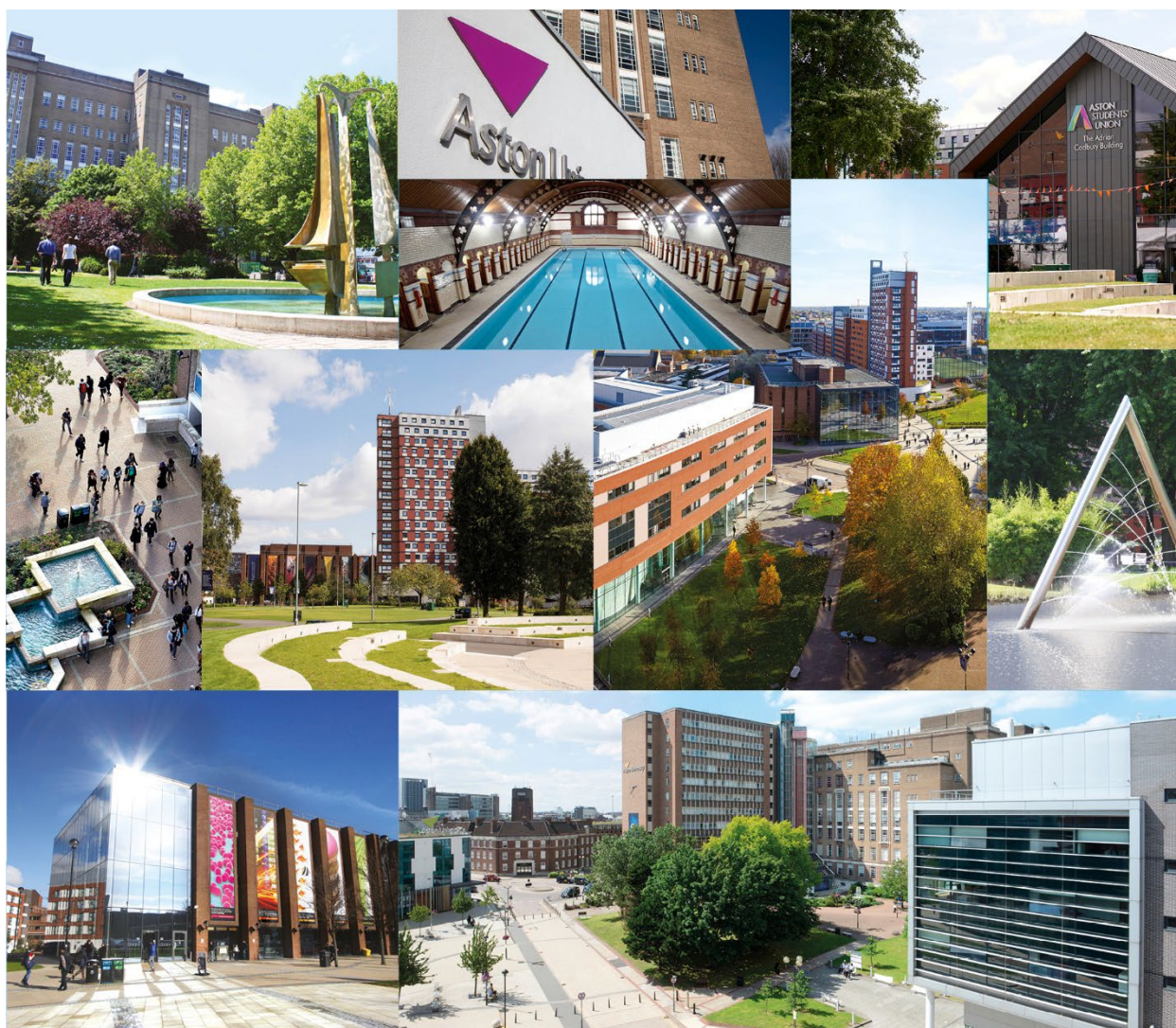
You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23.59 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: Tim Miller

Job Title: Government and Enterprise Engagement Manager

Email: t.miller1@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: <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

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 applying for is listed an exception under the act.

Eligibility to work in the UK:

Post-Brexit transition period / EU Settlement Scheme

The post-Brexit transition period ended on 31 December 2020. If you are an EU/EEA citizen and you were a resident in the UK before 31 December 2020, you and your family members (including non-EU citizens need to apply to the EU Settlement Scheme to continue to live, work and study in the UK beyond 30 June 2021. The deadline for applying to the EU settlement scheme is 30 June 2021. You can apply via the Government webpage <https://www.gov.uk/settled-status-eu-citizens-families> Irish Nationals do not need to apply for settlement as they retain the right to work in the UK.

New immigration system for EU/EEA and Swiss Nationals who were not resident in the UK before 31 December 2020

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens moving to the UK to work will need to get a visa in advance. You can find more information on the following website. Candidates should check their eligibility to enter or remain in the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements, including meeting the English Language requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful.

If you require a visa to work in the UK the most common types of visa are:

Skilled Worker Visa

<https://www.gov.uk/skilled-worker-visa>

Global Talent Visa

If you are a leader or potential leader in one of the following fields you may be eligible to apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa.

<https://www.gov.uk/global-talent>

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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gets real.**