


# Research Associate in Pharmacoepidemiology

**Reference:** 0507-23

**Grade 7**: £31,502 to £34,314 per annum. You will be appointed at Grade 7 if you have not yet been awarded your PhD.

**Grade: 8,** £36,333 to £43,155, per annum, depending on experience

**Contract Type:** Fixed Term (24 months)

**Basis:** Full Time

# Job description

## Job Purpose:

A two-year opportunity is available for a research associate with expertise in the acquisition and analysis of electronic health data. The post-holder will work within the team of healthcare data scientists on projects related to big data and pharmacoepidemiology of medication safety and effectiveness in areas including cardiology, psychiatry, oncology and infectious diseases.as well as to collaboratively support broader big data research within the School.

The post-holder will work closely with the Regius Chair in Pharmacy and is expected to contribute to, develop and lead research activities of the School 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 and School and/or University strategy.

## Main duties and responsibilities

### Research

- To develop research objectives, projects and proposals for personal/joint research programmes consistent with the priorities and strategy of the School, with the assistance of a mentor if required.
- To lead multinational big data research projects and to develop and support collaborative big data projects within the School.
- To analyse electronic health data using combinations of available software and develop common analytic programme in SAS and R.
- To write up and publish the outcomes of research in good quality publications.
- To present papers, posters, reports at seminars, conferences etc.
- To collaborate in research initiatives with colleagues in and beyond the School as appropriate.
- To identify sources of funding, develop and submit funding applications, securing external research funding.
- Where appropriate to School/University strategy and subject discipline, to participate in and develop external networks.
- To supervise and manage research projects.
- To supervise PhD and other postgraduate students to completion.
- To coach junior colleagues in research.

### Teaching

- To undertake a limited amount of teaching with students at a range of levels, achieving good student feedback through critical reflective practice.
- To contribute to the assessment of student knowledge and the supervision of student projects.
- To assist in the development of student research skills.

### External engagement

- To represent the interests of the subject and School via activities to raise the regional, national and international profile, particularly with the professions, schools and businesses.
- To forge relationships with the professional bodies and other bodies representing relevant professional interests.

### 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 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** | A first undergraduate degree in a scientific discipline.<br><br>Research experience in epidemiology, pharmacoepidemiology, biostatistics or big data analytics.<br><br>**Grade 7:** PhD near completion in pharmacoepidemiology, epidemiology, statistics, big data analytics, or a related field<br><br>**Grade 8:** Awarded your PhD in pharmacoepidemiology, epidemiology, statistics, big data analytics, or a related field. | Application form |
| **Experience** | Experience of initiating and conducting research up to doctoral level.<br><br>Experience of writing up/contributing to the write up of research for high quality publications.<br><br>Experience of producing papers, posters, reports presenting at seminars, conferences etc.<br><br>Experience of positive collaboration within and outside of candidate's immediate research team.<br><br>Supervising other personnel involved in the project. | Application form and interview |
| **Aptitude and skills** | Ability to implement statistical analysis of epidemiological data with correct interpretation of the results.<br><br>Strong expertise in the analysis of large and complex dataset using R, SAS or other statistical tools. | Application form and interview |

| | Essential | Method of assessment |
|---|---|---|
| | Ability to present data in both a clear and concise manner that is visually appealing.<br><br>Ability to prepare written communications to a high standard.<br><br>Ability to develop and maintain a research programme and to publish in high quality publications.<br><br>Ability to harness IT as a research and teaching tool.<br><br>A willingness to undertake further training as appropriate and to adopt new procedures as and when required. | |

| | Desirable | Method of assessment |
|---|---|---|
| **Education and qualifications** | Membership of a relevant professional body. | Application form |
| **Experience** | Experience of conducting multinational pharmacoepidemiological studies.<br><br>Experience of local and international research related applications (e.g. grants and ethics approval) and management systems.<br><br>Experience of submission to funding agencies and supporting pre- and post-research award administrative duties.<br><br>Experience of supporting research related financial control, budgeting and reporting.<br><br>Experience of supporting Patient and Public Involvement, knowledge exchange and IT projects. | Application form and interview |

| | Desirable | Method of assessment |
|---|---|---|
| **Aptitude and Sills** | Ability to apply common data model and common analytics for health data harmonisation. | Application and Interview |

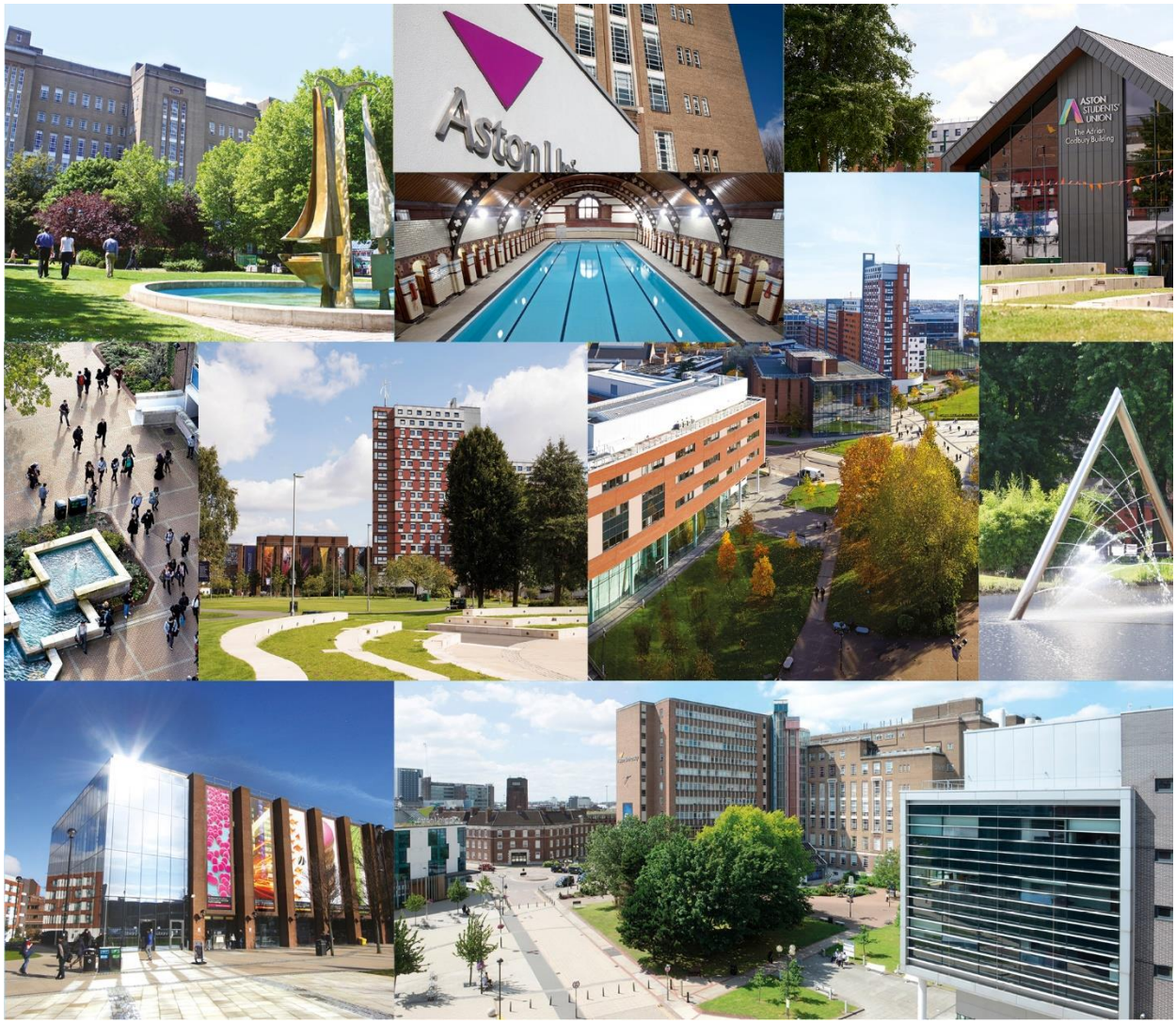
# How to apply

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 GMT 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: Joe Bush
Job Title: Head Of Pharmacy And Senior Lecturer
Email: j.bush2@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**:

on-British/Irish citizens moving to the UK to work will need to apply for a visa in advance. You can find more information about visas for work on the gov.uk website here. .
Before applying for this role, 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.

The most common types of visa to work in the UK 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

You can find information about the Global Talent Visa on the gov.uk website here, and on the Royal Society website here.

You can also find further information about work visa options on our website here.

**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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