



OPPORTUNITY

Lecturer/Fellow in Computational Genomics and Bioinformatics – Teaching and Research Focused (Non-clinical Grade)

Reference: 0057-24

Grade 8: £39,347 - £44,263 per annum, depending on experience

Grade 9: £45,585 - £54,395 per annum, depending on experience.

Contract Type: Continuous.

Basis: Full time, part-time applications will also be considered.

Job description

This is a new appointment for a non-clinical Lecturer/Fellow to undertake teaching and research duties based within Aston Medical School. The appointment offer and salary will depend on qualifications and experience. The post is full-time but part-time applications will be considered. The establishment of this post reflects a growing need for medical students to acquire skills in data science and an expansion in students undertaking intercalated degrees.

Job Purpose:

The aim of this post is to support the delivery and development of excellent, evidence-informed education and to undertake high quality research in computational genomics and bioinformatics.

The principal teaching focus of the post will be on planning, developing, and delivering lectures on genomics or data science for medical students within Aston Medical School. The appointee will also contribute to assessments, personal tutoring, and quality management.

The principal research focus of the post will be to undertake computational research (both collaborative and according to the interests of appointee) in genomic medicine. The appointee will work with and report to [Professor Eamonn Maher](#) (Dean of Aston Medical School).

Main duties and responsibilities

Teaching

- ▶ Develops and plans University teaching under guidance from the Year Leads.
- ▶ Delivers lectures (depending on areas of expertise) and facilitates small group tutorials (often using Team Based Learning) which will be designed to help students integrate and apply their multi-disciplinary learning, in an engaging, enjoyable and effective format.
- ▶ Tackles issues impacting on the quality of delivery, and ensures teaching sessions are well organised, pedagogically sound and making good use of resources.
- ▶ Contributes to developing and implementing (online) curriculum resources as required.
- ▶ Contributes to the quality management processes for assessment such as standard setting, and review of questions.
- ▶ Takes on the role of a Personal Tutor for a small group of students.
- ▶ Undertakes academic administration relevant to the needs of the post.
- ▶ Seeks (Senior) Fellowship of Advance HE as relevant.

Research/Scholarship

- ▶ Contributes to scholarship/research in collaboration with colleagues.
- ▶ Contributes to the training and supervision of undergraduate (including intercalating medical students) and postgraduate students undertaking research.
- ▶ Fosters interdisciplinary networks and engages in transfer of knowledge and scholarship, taking opportunities to present own research across the University, nationally and internationally, and to publish in internationally renowned journals.
- ▶ Designs, performs and analyses computational and/or experimental studies working with/reporting to Professor Eamonn Maher) Undertakes genomic analysis of publicly available or in-house genomic/epigenomic datasets.
- ▶ Maintains friendly and helpful relations with other lab members and collaborators.
- ▶ Takes a lead/contributes to writing scientific papers.
- ▶ Presents work at national and international conferences.

- ▶ Maintains awareness of current and emerging technologies, experimental techniques and computational methods and tools. Keeps abreast of relevant scientific literature and attends training courses.
- ▶ Designs databases and provides day-to-day management of datasets. Ensures accurate and detailed cataloguing and processing of data for publications.

Additional responsibilities

- ▶ Engages in continuous personal and professional development in line with the demands of the role, including undertaking relevant training activities to develop themselves.
- ▶ Develops networks within the University, nationally and internationally to develop scholarship and influence decisions.
- ▶ Ensures and promotes the personal health, safety and wellbeing of staff and students.
- ▶ Carries out duties in a way which promotes fairness in all matters, and which engenders trust.
- ▶ Promotes equality of opportunity and supports 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>Relevant Honours degree (1st or 2:1 or equivalent) and PhD in a relevant subject.</p> <p>An undertaking to pursue approved part-time study for qualifications such as a Postgraduate Certificate or FHEA.</p>	Application form
Experience	<p>Postgraduate research experience in genomics and bioinformatics.</p> <p>Evidence of scholarship and publishing in (medical/clinical) education.</p> <p>Experience of training/teaching/tutoring of undergraduate or postgraduate students.</p> <p>Experience of small group teaching and/or delivering lectures or research presentations.</p> <p>Experience in undertaking statistical analysis of omics data.</p>	Application form and interview
Aptitude and skills	<p>Able to take initiative, work flexibly to meet deadlines within tight time schedules and solve problems.</p> <p>Highly developed interpersonal skills, demonstrating empathy as a collaborative and supportive team member, with an ability to motivate colleagues and students and form effective and positive teams and inter-team working.</p> <p>Excellent communication and presentation skills, with the ability to communicate complex ideas.</p>	Application form and interview

	Desirable	Method of assessment
Experience	Familiarity with using large scale genomic databases and trusted research environments for 100,000 Genomes Project and/or UK Biobank.	Application form and interview

How to apply

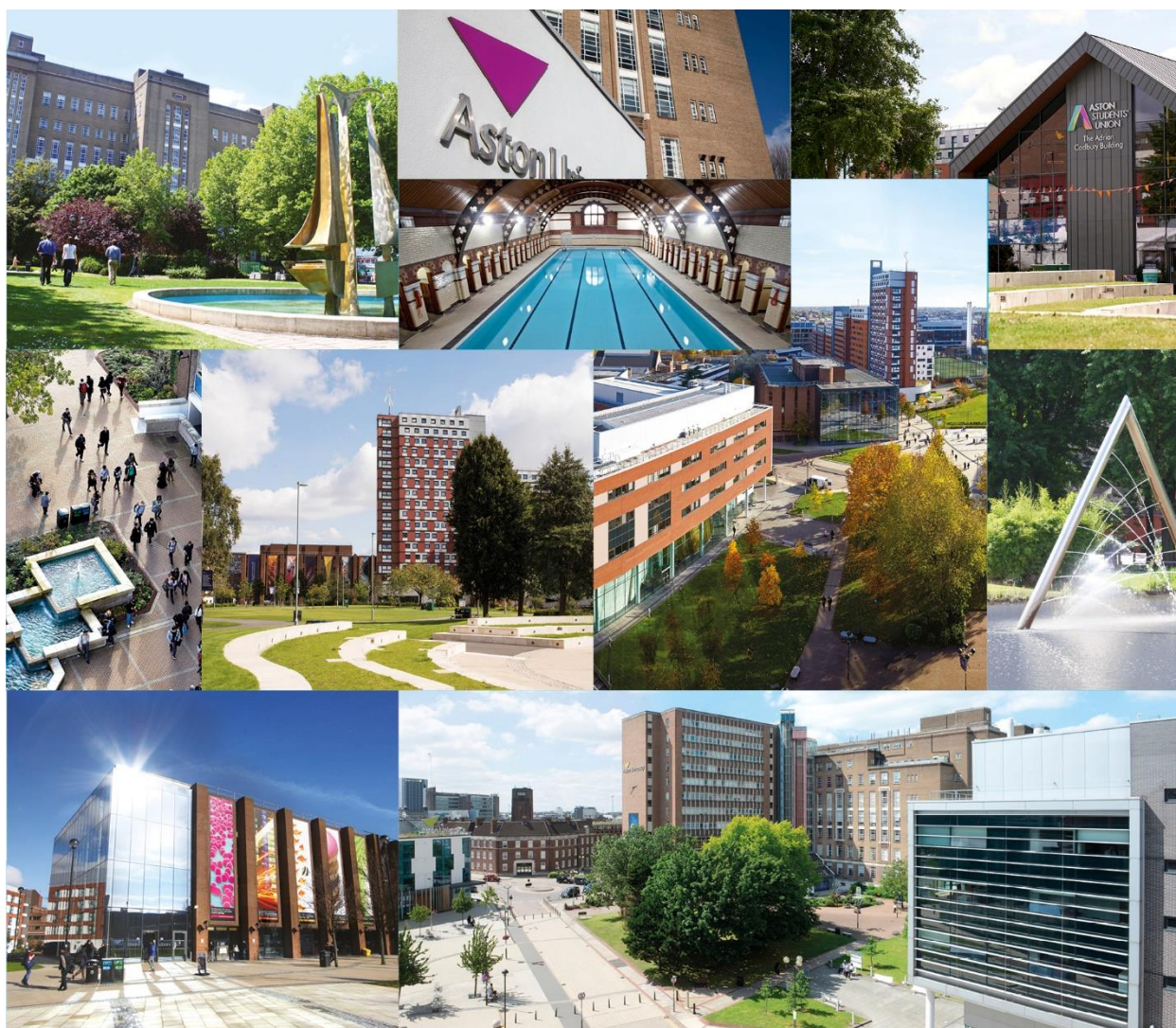
You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

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 recruitment@aston.ac.uk



Contact information

Enquiries about the vacancy:

Name: Professor Eamonn Maher
Job Title: Dean of Medical School
Email: e.maher@aston.ac.uk

Enquiries about the application process, shortlisting, or interviews:

Recruitment Team via recruitment@aston.ac.uk

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:

Non-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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**Where change
gets real.**