



Candidate Information

Position:	Computer and Database Technician
School/Department:	School of Natural and Built Environment
Reference:	26/113201
Closing Date:	Monday 13 April 2026
Salary:	£32,186 - £36,912 per annum (pro-rata)
Anticipated Interview Date:	Friday 1 May 2026
Duration:	2 years

JOB PURPOSE:

The computer and database technician will be responsible for management, troubleshooting and optimization of the database system at the 14CHRONO radiocarbon laboratory, ensuring it is secure, robust, efficient and fit for purpose for the handling of radiocarbon related samples of both archaeological and environmental sciences origin.

MAJOR DUTIES:

1. Liaise with pretreatment and AMS lab managers to resolve database-related issues (maintenance of and adaptations/improvements to existing tailor-made routines) and optimise performance, particularly in relation to archaeological and environmental data.
2. Review security (such as access, GDPR, security, and permissions) and redundancy/robustness of system and update where necessary.
3. Expand database functionality to include new features such as data from suite of additional measurement methods (e.g. FTIR, TG-MS), including investigating alternative Laboratory Management Systems (LMS) that could enhance operation.
4. Develop documentation on overall system operation and maintenance.
5. Liaise with pretreatment and AMS lab managers regarding the transition from legacy paper systems to digital systems, and streamlining of administrative and financial tasks via digital tools.
6. Contribute to the management of the 14chrono.org website.
7. Work with AMS lab manager on the provision of improved QA/QC monitoring software solutions.
8. Provide assistance to students, postgraduate students, postdocs, collaborators, and other users, associated with 14CHRONO in relation to database needs.
9. Liaise with university IT support and services where required.
10. Carry out any other duties which are appropriate to the post as may be reasonably requested by Centre Director.

ESSENTIAL CRITERIA:

1. Relevant academic and/or vocational qualifications, i.e. NVQ level 3, A levels (or equivalent); OR Substantial recent relevant experience in a comparable role using databases.
2. GCSE English and Mathematics at Grade C or above or NVQ level 2 Administration or equivalent.
3. Experience in a comparable role to include: Demonstrable experience in MySQL, php and html programming.
4. Experience in a comparable role to include: Experience of data analysis and interpretation.
5. Understanding of data management needs in archaeology and/or environmental sciences.
6. Ability to demonstrate/teach technical methods/processes to students and researchers in archaeology and related disciplines.
7. Good oral and written communication skills.
8. Able to work well as part of a team.
9. Good organising skills.
10. Ability to work methodically and accurately.
11. Understanding of security and robustness needs in relation to database systems.

DESIRABLE CRITERIA:

1. Undergraduate or postgraduate degree involving archaeology or closely related discipline.
2. Experience working with radiocarbon-related laboratory database systems.
3. Experience with working in Higher Education institutions.
4. Experience with software development for archaeological or environmental application, e.g. chronology building, data curation/cleaning.

ADDITIONAL INFORMATION:

Informal enquiries may be directed to Michelle Thompson, email: M.M.Thompson@qub.ac.uk