Research Associate (Network Analysis/Linked Data) - GLOSSAM project

School of Languages, Literatures and Cultures

College of Arts, Social Sciences & Celtic Studies

Ref. No. 010535

JOB ADVERTISEMENT

Applications are invited from suitably qualified candidates for a full-time, fixed term position as a Research Associate (Network Analysis/Linked Data) with the discipline of Classics at the University of Galway, Ireland.

The University is committed to embracing opportunities for hybrid working, to build a more dynamic, agile and responsive University, while sustaining strong standards of teaching, learning, research and high levels of productivity. The University will continue to be the primary workplace for all staff, however individual hybrid arrangement requests can be reviewed with the Line Manager in conjunction with the University Hybrid Working Policy.

This position is funded through the Insight Centre for Data Analytics and is available from 1st November 2024 to contract end date of 31st December 2025.

About the project: Global and Local Scholarship on Annotated Manuscripts (GLOSSAM) is a four-year research project (2022–2026) based in the College of Arts, Social Sciences & Celtic Studies at the University of Galway, directed by Dr Pádraic Moran.

The researcher will focus on the dataset MIrA (Manuscripts with Irish Associations, http://mira.ie), which contains descriptive information relating to c. 300 manuscripts of Irish origin or associated with Ireland. This project will aim to overcome two current limitations: 1) data has not yet been subjected to sophisticated data analysis; and 2) a lack of integration with other online resources means that data remains in silos.

Research Environment: This post will be located in the Hardiman Research Building at the University of Galway. The researcher will work with the other members of the research team and will benefit from dedicated training, mentorship and networking activities.

The candidate will be a member of the University's Data Science Institute and will be able to participate in seminars and other research events there. The researcher will also participate in Digital Humanities seminars and events in the College of Arts and join a network of Data Science and Digital Humanities researchers engaged in a variety of projects there.

Salary: Research Associate/Postdoctoral Researcher salary scale €44,346 - €56,764 per annum, (subject to the project's funding limitations), and pro rata for shorter and/or part-time contracts.

The default position for all new public sector appointments is the 1st point of the salary scale. This may be reviewed, and consideration afforded to appointment at a higher point on the payscale (subject to the project's funding limitations), where evidence of prior years' equivalent experience is accepted in determining placement on the scale above point 1, subject to the maximum of the scale.

Closing date for receipt of applications is 17:00 (Irish Time) on 29ᵗʰ August 2024. It will not be possible to consider applications received after the closing date.

JOB DESCRIPTION

The project will focus on the dataset [MIrA](Manuscripts with Irish Associations), which contains descriptive information relating to c. 300 manuscripts of Irish origin or associated with Ireland. The work will demonstrate the potential of Data Science for generating new insights into both heritage objects (manuscripts) and cultural history.

Duties:

- Evaluate what insights can be generated by the application of Network Analysis to MIrA.

- Make a feasibility study and road map for linking MIrA to a number of other online datasets (see [Databases of Early Latin Manuscripts)](Databases of Early Latin Manuscripts)

- Develop a pilot project linking MIrA to at least one other dataset and generating new analytics from the combined data.

- Assist with the development of the MIrA web resource.

- Regular collaboration with the project team, contributing ideas and helping to solve data-related project challenges.

- Present the results of research at seminars and conferences.

- Publish the results of research in quality peer-reviewed journals for Data Science and/or Digital Humanities research.

- Any other duties assigned commensurate to this level of post.

ELIGIBILITY REQUIREMENTS

Essential Requirements:

- Primary degree (Level 8) in Data Science, Computer Science or a closely related field, and at least four years' full-time relevant research experience after primary degree.

- Evidence of advanced skills in Network Analysis (including graph theory, graph generation models, centrality measures, clustering).

- Evidence of advanced knowledge of network analysis software (e.g. Gephi, Cytoscape).

- Evidence of advanced skills in Linked Open Data (including RDF, SPARQL, OWL, RDF Schema).

- Excellent organisation, communication and interpersonal skills, with full working proficiency in the English language.

Desirable Requirements:

- Evidence of advanced skills in programming and scripting in at least one relevant language (e.g. Python or R).

- Previous peer-reviewed publications.

- Experience of working on collaborative projects involving Network Analysis and/or LOD.

- Experience of working on multidisciplinary research projects.

CONTINUING PROFESSIONAL DEVELOPMENT

Researchers at University of Galway are encouraged to avail of a range of training and development opportunities designed to support their personal career development plans. University of Galway provides continuing professional development supports for all researchers seeking to build their own career pathways either within or beyond academia. Researchers are encouraged to engage with our Researcher Development Centre (RDC) upon commencing employment - see HERE for further information.

Further Information/Links

- **To apply:** Go to Jobs - University of Galway (Research Vacancies Type 2). Applications must be submitted online. How to apply guide
- For informal enquiries, please contact Dr Pádraic Moran, Lecturer in Classics, School of Languages, Literatures and Cultures (padraic.moran@universityofgalway.ie).

- University's Strategic Plan
- Working in Research at University of Galway

- Moving to Ireland (Euraxess)
- Applicant Information
- We reserve the right to re-advertise or extend the closing date for this post.
- University of Galway is an equal opportunities employer.
- All positions are recruited in line with Open, Transparent, Merit (OTM) and Competency based recruitment.