



Modelling Boyne Valley landscape evolution Research Assistant Position (4 month fixed-term)

UCD School of Archaeology and UCD School of Geography, Planning and Environmental Policy

A Research Assistant is sought for a four-month period to carry out geomorphological research in an on-going inter-disciplinary research programme on the geoarchaeology of the River Boyne catchment, Ireland. This research project is funded by the Heritage Council's Irish National Strategic Archaeological Research Programme, and based jointly in UCD School of Archaeology & School of Geography, Planning and Environmental Policy (GPEP). The project is collaborative between UCD, Meath County Council, Department of Humanities at Dundalk Institute of Technology, the University of Southampton and tallamhireland Ltd., and is managed by Drs. Helen Lewis (UCD Archaeology) and Colman Gallagher (UCD GPEP).

The successful applicant for the advertised post will have demonstrated experience in geomorphology and sedimentology, morphological mapping and interpretation using remote sensing (aerial photography and LiDAR) and field survey. He or she will have experience in the use of GIS and in the timely production of reports and/or articles.

The RA will develop models to better understand the environmental context in which the cultural landscape of the Boyne has developed by exploring key thematic areas as follows:

- the glacial-interglacial (Holocene) transition,
- the major periods of environmental stability and change in the Holocene,
- the relationships between landscape evolution, Holocene climate and land-use change.

Tasks will involve identifying and characterising:

- the geomorphology of the Boyne Valley,
- the spatial distribution of sedimentary sources and sinks in the catchment,
- the process environments of the drainage network,
- the interactions amongst these elements.

The RA will be based at UCD in Dublin, and work for 4 months under the direction of the project leaders and team. **Start date: August 1, 2009.** Salary: €14,167 (33,907 annual equivalent inclusive of mandatory employee pension contribution of 5%).

Applicants should forward a full CV and covering letter BY EMAIL, outlining their suitability for the position to: Dr. Jonathan Turner, UCD School of Geography, Planning and Environmental Policy (jonathan.turner@ucd.ie). For more information contact Dr. Jonathan Turner (jonathan.turner@ucd.ie) or Dr. Colman Gallagher (colman.gallagher@ucd.ie).

DEADLINE FOR APPLICATION: JULY 10, 2009