

Postdoctoral Research Fellow in Isotope Geochemistry.

The National Centre for Isotope Geochemistry (NCIG) at UCD School of Geological Sciences and the Irish Centre for Research in Applied Geosciences immediately seek applicants for a 4-year postdoctoral research fellowship to work on analytical method development. The appointee will have considerable scope to develop their own research interests especially those that support the overall aims of the iCRAG Centre. The appointee will be closely involved in the training and supervision of PhD students, especially in laser-ablation applications and will be keen to assist in the overall management of NCIG facilities. Initially, the main focus of the work will be to develop, validate and improve methods for laser-ablation Pb isotopic analysis in feldspar and other minerals and to develop split-stream methods for simultaneous elemental and isotope ratio analysis using a quadropole ICPMS and multiple collector Neptune instrument coupled with an excimer laser ablation system.

The ideal candidate will have a PhD in Geology, Petrology, Earth Sciences or Geochemistry and will have a strong publication record commensurate with career stage. (S)he will have previous experience in multiple collector magnetic sector (plasma) mass spectrometry, in laser-ablation analytical applications and in imaging techniques. The successful applicant will combine excellent scientific, analytical, interpersonal and management skills. The minimum starting salary is €33, 975 (with annual increments), point on scale depending on experience. There will be support for research and travel costs.

NCIG at UCD is equipped with a Thermo Scientific Triton (TIMS) and a Thermo Scientific Neptune (MC-ICPMS) coupled with a New Wave Excimer laser ablation system. NCIG has standard crushing, mineral separation and clean chemical preparation labs, a New Wave Micromill and access to a variety of SEM equipment including a locally housed desktop SEM with EDS analysis. We will shortly acquire a Quadropole ICPMS and the successful applicant will be closely involved in the purchase of a new excimer laser and in upgrading the existing Neptune instrument.

Please contact Prof. Stephen Daly (stephen.daly@ucd.ie; +353-87-205-1198) for further information. Your application should be emailed to this address and should include curriculum vitae, publications list, statement of research interests and analytical experience, and contact details of two academic referees. Evaluation of applicants will start on *April 13th, 2015* and will continue until the position is filled. Informal discussions/meetings about the post may be held at EGU, please contact Prof. Stephen Daly to arrange.

iCRAG, the new Irish Centre for Research in Applied Geosciences, is funded under the SFI Research Centres Programme and is co-funded under the European Regional Development Fund. It is supporting >40 new early career research opportunities. This appointment is for 48 months.