



College Management Unit:	UCD College of Science
School Unit:	UCD School of Earth Science
Post Title & Subject Area (if relevant)	UCD Post-doctoral Research Fellow Level 1
Project:	EIRbSr – Establishing a national geochronological database underpinned and expanded by a new Irish LA–ICP–MC–MS/MS Rb–Sr capability
Post Duration:	Temporary 18 months post
Line Manager	Dr. Thomas Belgrano, Principal Investigator
Competition Ref. N^o	017095
HR Administrator	Maebh McCarthy
Relocation Expenses	N/A
Garda Vetting	Will not apply

Position Summary:

We wish to appoint a Post-Doctoral Researcher for 18 months in the field of geochronology, starting in July 2024. The successful candidate will work on the project “EIRbSr – Establishing a national geochronological database underpinned and expanded by a new Irish LA–ICP–MC–MS/MS Rb–Sr capability”, principally funded by the Geological Survey Ireland (GSI) and additionally supported by the National Centre for Isotope Geochemistry at UCD (NCIG) and iCRAG, the Science Foundation Ireland Research Centre in Applied Geosciences. Hosted at UCD and working with project collaborators across iCRAG, UCD, Trinity College Dublin, and the GSI, the dual focus of this post will be the development of an LA–ICP–MC–MS/MS Rb–Sr in situ dating protocol using the new Thermo Fisher Neoma™ at the NCIG and the construction and population of Ireland’s first geochronological database.

This is a research focused role, where you will conduct a specified programme of research supported by research training and development under the supervision and direction of a Principal Investigator.

The primary purpose of the role is to further develop your research skills and competences, including the processes of publication in peer-reviewed academic publications, the development of funding proposals, the mentorship of graduate students along with the opportunity to develop your skills in research led teaching.

The successful candidate will carry out the following additional duties specific to this project:

- Development of analytical and data reduction protocols for LA–ICP–MC–MS/MS Rb–Sr in situ dating
- Contribute to reference material development via conventional geochronological methods
- Method benchmarking against Irish granite samples and application to Li pegmatite samples.
- Contribute to the compilation of Irish geochronological data

Principal Duties and Responsibilities:

- Conduct a specified programme of research and scholarship under the supervision and direction of your Principal Investigator.
- Engage in appropriate training and professional development opportunities as required by your Principal Investigator, your School or Institute, or the University.
- Engage in the dissemination of the results of the research in which you are engaged as directed by and with the support of and under the supervision of your Principal Investigator.

- Engage in the wider research and scholarly activities of your research group, School and Institute.
- Mentor and assist, as appropriate and as directed, the research graduate students in your group, School and Institute.
- Carry out administrative work associated with your programme of research.

Salary Range: €42,783 - €43,371 per annum

Appointment on the above range will be dependent on qualifications and experience

Details on eligibility to compete and pension information is available at

<https://www.ucd.ie/hr/resourcing/eligibilitytocompete/>

UCD welcomes applications from everyone. We are committed to creating an environment where diversity is celebrated and everyone is afforded equality of opportunity. Learn more about Diversity at

<https://www.ucd.ie/workatucd/diversity/>

Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

Mandatory:

- PhD in geochemistry or a closely related field
- Hands on laboratory experience in either geochronology, LA–ICP–MS, or isotope geochemistry
- A demonstrated commitment to research and publications
- An understanding of the operational requirements for a successful research project
- Evidence of research activity (publications, conference presentations, awards) and future scholarly output (working papers, research proposals, and ability to outline a research project.
- Excellent Communication Skills (Oral, Written , Presentation etc).
- Excellent Organisational and Administrative skills including a proven ability to work to deadlines.
- Candidates must demonstrate an awareness of equality, diversity and inclusion agenda.

The PD1 position is intended for early stage researchers, either just after completion of a PhD or for someone entering a new area for the first time. If you have already completed your PD1 stage in UCD or will soon complete a PD1, or you are an external applicant whose total Postdoctoral experience, inclusive of the duration of the advertised post, would exceed 4 years, you should not apply and should refer to PD2 posts instead.

Desirable:

- Experience in LA–ICP–MS/MS geochronology or collision/reaction cell mass spectrometry
- Experience with geoscientific database construction or data analytics
- Knowledge of Irish or Caledonian geology
- Experience in setting own research agenda

Supplementary information:

The University:	https://www.ucd.ie/
UCD Strategy 2020-2024: Rising to the Future	https://strategy.ucd.ie/
UCD College of Science:	https://www.ucd.ie/science/
UCD School of Earth Science	https://www.ucd.ie/earthsciences/

Equality Diversity and Inclusion at UCD	https://www.ucd.ie/workatucd/diversity/
Other (Please specify):	N/A

UCD offers a comprehensive **Research Careers Framework** in line with the Advisory Science Council Report '*Towards a Framework for Researcher Careers*'. This model provides a structured and supportive **Career and Skills Development** system designed to ensure that Post-docs in UCD are able to plan their careers and prepare for future opportunities in academia, industry or the public sector. For more information, please [click here](#)

Informal Enquiries ONLY to:

Please note this section is optional. Applications will be addressed to an assigned HR administrator.

Name:	Dr. Thomas Belgrano
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Telephone:	N/A

