



Research Centre

Insight SFI Research Centre for Data Analytics

Post Title

Postdoctoral Researcher in

Advanced Analytics in Neurological Diseases

Post Duration

Fixed Term Contract up to 24 months

Dublin City University

Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world's leading Young Universities and is among the world's top 2% globally. DCU is known as Ireland's University of Impact, with a mission to 'transform lives and societies' and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a 'transformative student experience' that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a 'People First' institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education and is placed in the world's Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

Insight SFI Research Centre for Data Analytics

The Insight SFI Research Centre for Data Analytics (<http://www.insight-centre.org>) is an SFI funded Research Centre which brings together researchers from DCU, University College Dublin, University Galway, and University College Cork, as well as other partner institutions, Trinity College Dublin, University of Limerick, Maynooth University and Tyndall National Institute. It creates a critical mass of more than 400 researchers from Ireland's leading ICT clusters to carry out research on a new generation of data analytics technologies in a number of key application domain areas, such as Health and Human Performance, Smart Communities, Internet of Things, Enterprise and Services and Sustainability and Operations.

The €150m Centre is funded by Science Foundation Ireland (SFI) and a wide range of industry and European Union partners. Insight's research focus encompasses a broad range of data analytics technologies from machine learning, decision analytics and social network analysis to linked data, recommender systems and the sensor web. Together, with more than 220 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

The Project

The NeuroInsight MSCA COFUND programme offers prestigious MSCA fellowships for outstanding postdoctoral researchers in the area of Advanced Analytics in Neurological Diseases. The programme aims to support a new kind of postdoctoral-level researcher, who will develop advanced skills in data analytics, artificial intelligence (AI), machine and deep learning and apply them to the challenges of neurological conditions. The programme will facilitate high quality interdisciplinary research, provide opportunities to interact with industry, clinicians, patient groups and datasets, and establish a talented group of future research leaders. NeuroInsight Fellowships are for experienced researchers of any nationality, seeking a prestigious career developing position in DCU.

The Role

The Insight SFI Research Centre for Data Analytics is seeking to host 5 experienced postdoctoral researchers at DCU. Fellowships will include a mandatory 3-6-month secondment to another research performing non-academic organisation in industry, clinical and/or charity sectors in any country.

Principal Duties and Responsibilities

- Conduct a programme of research in the area of Advanced Analytics in Neurological Diseases.
- Provide support and advice to PhD students working on similar topics.
- Assist the Principal Investigators (PIs) in identifying and developing future research/funding initiatives.
- Produce top quality journal and conference publications, in collaboration with the PIs.
- Participate in Insight Centre activities, including industry showcases, annual reviews and industry and agency visits to the Insight labs.
- Carry out administrative work associated with the programme of research as necessary.
- Other tasks relevant to successfully implementing the assigned research programme.
- Liaise with both external and internal stakeholders, including academics, undergraduate and postgraduate students, external supervisors and host placement schools.
- Preparation of project outputs, interim and final reports as required by the project schedule.
- Deliver research outputs according to project schedules.
- Other tasks relevant to successfully implementing the assigned research programme.
- Attend and present results at project progress meetings.
- Carry out additional duties as may reasonably be required within the general scope and level of the post.

Minimum Criteria

Applicants should have a PhD in an area relevant to data analytics and/or neurological diseases.

Universal Criteria

- Applicants must be Experienced Researchers at the call deadline – i.e., be in possession of a doctoral degree or, if the applicant does not have a doctoral degree, they should have at least 4 years of full-time equivalent research experience.
- Candidates must have a maximum of 8 years full-time equivalent experience in research, measured from the date applicants were in possession of a doctoral degree. Years of experience outside research and career breaks will not be taken into account.
- Applicants must be fluent in English (written and spoken).

Mobility Criteria

Incoming Fellowship: Applicants can be of any nationality but must not have resided or carried out their main activity (work, studies, etc.) in Ireland for more than 12 months in the 3 years immediately prior to the call deadline (31 October 2023).

Global Fellowship: Applicants can't have lived or worked in the outgoing host country for >12 months in the last 3 years.

For all criteria, rules and exceptions please visit: <https://neuroinsight.eu/proposals/>, Eligibility Rules section.

Research Career Framework

As part of this role the researcher will be required to participate in the DCU Research Career Framework (<http://dcu.ie/hr/ResearchersFramework/index.shtml>). This framework is designed to provide significant professional development opportunities to researchers and offer the best opportunities in terms of a wider career path.

DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally focused environment in which you can advance your academic career.

Essential Training

A comprehensive training and development programme will be developed by NeuroInsight. The postholder will be required to undertake the following essential compliance training: Orientation, Health & Safety, Data Protection (GDPR) and all Cyber Security Awareness Training. Other training may need to be undertaken when required.

Dublin City University is an equal opportunities employer.

In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.

The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the [DCU Policy Starter Packs](#)