



## Post Specification

<b>Post Title:</b>	PhD Studentship
<b>Post Status:</b>	Full-time, Fixed Term
<b>Research Group / Department / School:</b>	School of Medicine, Trinity College Dublin, the University of Dublin
<b>Location:</b>	Tallaght University Hospital, St. James' Hospital, Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland
<b>Reports to:</b>	Professor Jens Mogensen
<b>Terms &amp; Conditions:</b>	A tax-free maintenance stipend will be provided per annum, plus full tuition fee coverage for 4 years.
<b>Hours of Work:</b>	N/A
<b>Closing Date:</b>	12 Noon (GMT), 15 <sup>th</sup> of June 2026

## **Post Summary**

This PhD position forms part of an interdisciplinary research programme, Trinity Research Doctorate Award (TRDA), at Trinity College Dublin, (TCD), investigating hereditary cardiac conditions associated with sudden cardiac death (SCD). The project focuses on ion-channel diseases including Long QT Syndrome, Brugada Syndrome, and Catecholaminergic Polymorphic Ventricular Tachycardia. These conditions have a significant impact on affected individuals as well as their relatives at risk of disease development as it may often be difficult to predict individual risk of SCD and adverse disease complications.

The successful candidate will join an interdisciplinary research environment with Primary Investigators (PI) representing clinical cardiology, biomedical engineering, social sciences, and psychology. The PI's are key experts in their fields of research and based at TCD, St. James's University Hospital, Children's Health Ireland, Crumlin and the clinic for hereditary cardiac conditions (Cardiac Risk in The Young, CRY) at Tallaght University Hospital.

This position offers a unique opportunity to contribute to highly clinically relevant and patient-centred research with the aim of improving risk stratification, clinical management and counselling of individuals at risk of SCD. The research project takes advantage of a large collection of affected families which have already been clinically and genetically characterised.

## **Standard Duties and Responsibilities of the Post**

- Compare disease expression with results of genetic investigation (genotype-phenotype analyses) across affected families and their relatives
- Participate in investigations of gene-elusive families to potentially identify novel disease genes and genetic modifiers
- Apply AI-driven ECG analyses tools to possibly identify novel electrophysiological abnormalities associated with SCD risk
- Participate in regular interdisciplinary team meetings and workshops
- Engage with patients, families, and the Patient and Public Involvement (PPI) committee

- Disseminate findings through peer-reviewed publications and conference presentations

### **Funding Information**

TRDA – Trinity Research Doctorate Award

### **Person Specification**

The successful candidate would have experience in cardiology with an interest in:

- Hereditary arrhythmogenic cardiac conditions
- Clinical and genetic investigations of affected families
- Participation in the development of novel algorithms for interpretation of ECG's in relation to ion-channel diseases
- Interdisciplinary and collaborative research

### **Qualifications**

#### **Essential**

- Qualified as a Medical Doctor
- Registration with the Irish Medical Council or equivalent regulatory body
- Holds an Irish work permit
- Applicants must meet Trinity College Dublin's PhD entry requirements: <https://www.tcd.ie/study/apply/admission-requirements/postgraduate/>

#### **Desirable**

- Postgraduate clinical experience in cardiology or internal medicine
- Any research experience

### **Knowledge & Experience**

- Interest in engaging with affected families in a research setting
- Knowledge of hereditary cardiac conditions, including ion-channel diseases
- Familiarity with clinical genetics and interpretation of ECG

- Experience in a clinical research environment
- Interest in the application of AI and digital health tools in a clinical context

### **Skills & Competencies**

- Analytical and critical thinking skills
- Excellent written and verbal communication skills
- Ability to work both independently and as part of a multidisciplinary team
- High level of organisation and attention to detail
- Commitment to patient-centred, ethically sound research practice

### **Application Procedure**

Applicants should submit one PDF document containing their:

- Curriculum Vitae
- Names and contact details of two referees
- One-page personal statement detailing their interest.

Emails should include the subject line: **“PhD Application.”**

Applications should be sent to:

Ms. Gabriela Oto, Programme Manager

Email: [otog@tcd.ie](mailto:otog@tcd.ie)

### **Further Information for Applicants**

Informal queries can be directed to Ms. Gabriela Oto, Programme Manager, [otog@tcd.ie](mailto:otog@tcd.ie)

### **Further Information for Applicants**

URL Link to Area	<a href="http://www.tcd.ie">www.tcd.ie</a>
URL Link to Human Resources	<a href="https://www.tcd.ie/hr/">https://www.tcd.ie/hr/</a>

## **Trinity College Dublin, the University of Dublin**

Trinity is Ireland's leading university and is ranked 98th in the world (QS World University Rankings 2023). Founded in 1592, the University is steeped in history with a reputation for excellence in education, research and innovation.

Located on an iconic campus in the heart of Dublin's city centre, Trinity has 18,000 undergraduate and postgraduate students across our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences.

Trinity is ranked as the 17th most international university in the world (Times Higher Education Rankings 2020) and has students and staff from over 120 countries.

The pursuit of excellence through research and scholarship is at the heart of a Trinity education, and our researchers have an outstanding publication record and strong record of grant success. Trinity has developed 19 broad-based multidisciplinary research themes that cut across disciplines and facilitate world-leading research and collaboration within the University and with colleagues around the world. Trinity is also home to 5 leading flagship research institutes:

- Trinity Biomedical Sciences Institute (TBSI)
- Trinity College Institute of Neuroscience (TCIN)
- Trinity Translational Medical Institute (TTMI)
- Trinity Long Room Hub Arts and Humanities Research Institute (TLRH)
- Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

Trinity is 1st in Europe for Producing Entrepreneurs for the 7th year in a row and Europe's only representative in the world's top-50 universities (Pitchbook 2021-2022).

Trinity is home to the famous Old Library and to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps and early printed material. The Trinity Library is a legal deposit library, granting the University the right to claim a copy of

every book published in Ireland and the UK. At present, the Library's holdings span approximately 6.5 million printed items, 400,000 e-books and 150,000 e-journals. With over 120,000 alumni, Trinity's tradition of independent intellectual inquiry has produced some of the world's finest, most original minds including the writers Oscar Wilde and Samuel Beckett (Nobel laureates), the mathematician William Rowan Hamilton and the physicist Ernest Walton (Nobel laureate), the political thinker Edmund Burke, and the former President of Ireland Mary Robinson. This tradition finds expression today in a campus culture of scholarship, innovation, creativity, entrepreneurship and dedication to societal reform.

### **Rankings**

Trinity College Dublin is the top ranked university in Ireland. Using the QS methodology we are ranked 98<sup>th</sup> in the world and using the Times Higher Education World University Ranking methodology we are 146<sup>th</sup> in the World.

- Trinity College Dublin is Ireland's No.1 University  
(QS World University Ranking 2023, Times Higher Education Rankings 2022)
- Trinity is ranked 98<sup>th</sup> in the World  
(QS World University Ranking 2023)
- Trinity is ranked No.1 in Europe for Producing Entrepreneurs for the 7<sup>th</sup> year in a row  
Pitchbook 2021-2022

Full details are available at: [www.tcd.ie/research/about/rankings](http://www.tcd.ie/research/about/rankings).

## **The Selection Process in Trinity**

The Selection Committee (Interview Panel) may include members of the Academic and Administrative community together with External Assessor(s) who are expert in the area. Applications will be acknowledged by email. If you do not receive confirmation of receipt within 1 day of submitting your application online, please contact the named Recruitment Partner on the job specification immediately and prior to the closing date/time.

Given the degree of co-ordination and planning to have a Selection Committee available on the specified date, the University regrets that it may not be in a position to offer alternate selection dates. Where candidates are unavailable, reserves may be drawn from a shortlist. Outcomes of interviews are notified in writing to candidates and are issued no later than 5 working days following the selection day.

In some instances the Selection Committee may avail of telephone or video conferencing. The University's selection methods may consist of any or all of the following: Interviews, Presentations, Psychometric Testing, References and Situational Exercises.

It is the policy of the University to conduct pre-employment medical screening/full pre-employment medicals. Information supplied by candidates in their application (Cover Letter and CV) will be used to shortlist for interview.

Applications from non-EEA citizens are welcomed. However, eligibility is determined by the Department of Business, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations <https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Highly-Skilled-Eligible-Occupations-List/> and the Ineligible Categories of Employment are set out in Schedule 4 of the Regulations <https://dbei.gov.ie/en/What-We-Do/Workplace-and-Skills/Employment-Permits/Employment-Permit-Eligibility/Ineligible-Categories-of-Employment/> . Non-EEA candidates should note that the onus is on them to secure a visa to travel to Ireland prior to interview. Non-EEA candidates should also be aware that even if successful at interview, an appointment to the post is contingent on the securing of an employment permit.

## **Equal Opportunities Policy**

Trinity is an equal opportunities employer and is committed to employment policies, procedures and practices which do not discriminate on grounds such as gender, civil status, family status, age, disability, race, religious belief, sexual orientation or membership of the travelling community. On that basis we encourage and welcome talented people from all backgrounds to join our staff community. Trinity's Diversity Statement can be viewed in full at <https://www.tcd.ie/diversity-inclusion/diversity-statement>.

## Application Procedure

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Applicants should submit one PDF document with their Curriculum Vitae with names and contact details of 2 referees and a one-page personal statement detailing your interest:

**Name:** Ms. Gabriela Oto

**Email Address:** otog@tcd.ie



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