

Post Specification (Comp: 034246)

| Post Title: | Research Fellow (Postdoctoral, HEALTH) | |
|----------------------|--|--|
| Post Status: | 4-year Fixed-term Contract (Full-time) | |
| Research Group / | FRAILMatics, Discipline of Medical Gerontology, School of | |
| Department / School: | Medicine, Trinity College Dublin, the University of Dublin | |
| Location: | - Trinity College Dublin, the University of Dublin, | |
| | College Green, Dublin 2, Ireland | |
| | - Mercer's Institute for Successful Ageing, St James's | |
| | Hospital, Dublin 8, Ireland | |
| Reports to: | Principal Investigator (Prof. Roman Romero-Ortuno) | |
| Salary: | Appointment will be made on the SFI Team Member | |
| | Budget Scales, Experienced Post-Doctoral Researcher, | |
| | Level 2b, Point 1, with annual, single-point increment | |
| | (January 2020: €45,041 - €49,049 gross salary p.a.)¹ | |
| Hours of Work: | 37 hours per week | |
| Closing Date: | 12 Noon (Irish Standard Mean Time), 17 April 2020 | |

Expected start date: 1 September 2020

Post Summary

An experienced post-doctoral researcher in a relevant HEALTH SCIENCE (e.g. Physiology, Psychology, Neuroscience, Cardiovascular science, Physiotherapy, Biomechanics, Kinesiology, Sports science) is required to conduct and assist research at Trinity College Dublin on a new research programme called FRAILMatics: Mathematical research and big data analytics towards the development of the next generation of transdisciplinary diagnostics for the

¹ http://www.sfi.ie/funding/sfi-policies-and-guidance/budget-finance-related-policies/FINAL-SFI-Team-Member-Salary-Scales.pdf

assessment of physiological vulnerability in older adults: challenge-based disruptive technology initiative. This research programme is funded by Science Foundation Ireland (SFI) under the 2018 President of Ireland Future Research Leaders Programme, awarded to Principal Investigator Prof. Roman Romero-Ortuno. The grant runs from 1 December 2019 to 30 November 2024 (60 Months). The researchers on this grant will be contracted for 4 years (expected start date: 1 September 2020).

Prof. Ortuno is a Clinician Scientist in Geriatric Medicine with skills and international experience in big data analytics and clinical bioinformatics collaborations. Through this SFI award, he will recruit and lead a **new transdisciplinary lab** of two experienced post-doctoral researchers (one in STEM and one in Health) and two PhD students (one in STEM and one Medical) with the overall objective to advance the **science of frailty** in older adults. This new lab will be embedded within the state-of-the art research facilities of **The Irish Longitudinal Study on Ageing** (TILDA) in Trinity College Dublin, and the **Mercer's Institute for Successful Ageing** (MISA) in St James's Hospital, Dublin; in both locations, a **new High Performance Computing** (HPC) **infrastructure** will be available to the team which is also funded by the award. FRAILMatics has collaborators at the SFI-funded <u>ADAPT Centre</u> and the <u>Reilly lab</u> at the Trinity Centre for Biomedical Engineering.

The successful postdoctoral HEALTH candidate will lead FRAILMatics' novel research on the **dynamic modelling of frailty** in older adults. The postdoctoral HEALTH researcher will work in collaboration with the postdoctoral STEM researcher and report to the Principal Investigator. She/he will also assist the PI with the academic supervision of both doctoral students.

Background to the Post

Population ageing is one of the major challenges confronting societies. Over the next thirty years, it is estimated that the proportion of the Irish population aged over 65 will double from 11% to 22%. While this represents a success story, it also presents challenges. For example, growing numbers of older people are now undergoing invasive medical procedures.

Today, in Ireland, 1 in 6 patients aged 65 or more may experience a complication from a surgical procedure, and up to 2 in a 100 may die as a result. These significant societal and economic costs could be minimised by having accurate measures of **physiological vulnerability**. FRAILMatics will address this need by conducting a programme of research **towards a new generation of transdisciplinary diagnostics**.

In older populations, there is significant heterogeneity in **biological age**. This refers to the fact that people accumulate health problems at different rates. Older people are (independently of their **chronological age**) in a functional continuum between being fully independent and having severe dependency. **Frailty** is the part of that continuum that goes from a subtle state of low physiological reserve (or **vulnerability**) due to more than one medical problem being simultaneously present, to a more visible state of early disability. The pre-frail state is difficult to recognise because the person can appear to be well. However, close observation will reveal mild problems in day-to-day situations that require a higher level of performance.

In a situation of acute illness or trauma (i.e. **stressor**), those who are robust will only have a mild dip in their function and will quickly recover to their pre-stress baseline. However, frail people will be more likely to decompensate and have a permanent loss of function that may result in increased care needs, or even premature death.

Currently, 13% of Irish people are aged 65 or more, and this proportion is set to increase. Using current definitions, TILDA has reported that around 10% of over 65s are frail, but many more (around 40%) are pre-frail, with the rest being non-frail. When pre-frail patients are medically assessed for surgery, they may look well but present subtle symptoms and signs; those can be easily missed because they are not defined in current perioperative guidelines and protocols. However, the problems of the pre-frail may be easier to optimise with prehabilitation strategies that increase physiological resilience. Currently, only a few specialist teams offer these services, despite geriatricians wanting to advance them. Therefore, we need reliable tools to identify early vulnerability that non-experts can use.

The current state of the art in frailty identification relies on tools such as the **frailty phenotype** (which considers the presence of exhaustion, unexplained weight loss, weakness, slowness and low physical activity) or the **frailty index** (which is based on a model of accumulation of deficits); both have been validated as predictors of adverse outcomes in epidemiological and clinical studies. Yet, the reported accuracy of these tools in real clinical settings is low (too sensitive, not specific), and hence professional medical societies cannot recommend them as substitutes for a comprehensive geriatric assessment. FRAILMatics departs from the **hypothesis** that the accuracy of these tools is low because even though they capture **dysregulation in multiple physiological systems**, they have not been researched in their ability to predict physiological changes to stressors **dynamically**.

FRAILMatics' quest is **to research and develop more accurate frailty tools that without expert input automatically identify subtle dysregulated responses to stressors across physiological systems**. For this quest, FRAILMatics will have access to population and clinical cohorts that contain a vast amount of suitable cross-sectional and longitudinal data. The population cohort will be the vast and rich data resource contained in TILDA. Later on, signals will be validated in a small (n=100) clinical cohort recruited from ambulatory care clinics at the Mercer's Institute for Successful Ageing (MISA) in St James's Hospital, Dublin.

TILDA is one of the most comprehensive research platforms in existence, nationally and internationally. With FRAILMatics, TILDA's vast data resource will be leveraged for the first time through an SFI award. TILDA is a study based on a population-representative sample of >8,000 community-dwelling individuals aged 50 or over. Each participant undergoes an interview in their home, fills in a self-completion questionnaire and is invited to undergo a detailed health assessment. Five waves of data collection are complete and the study will collect its sixth wave (i.e. its third health assessment wave) in 2020 (https://tilda.tcd.ie/about/where-are-we-now/). A key strength of TILDA is its longitudinal design, and detailed longitudinal health data spanning 10 years will be available to FRAILMatics' researchers. The successful candidates will join a vibrant interdisciplinary team of TILDA researchers including epidemiologists, biostatisticians, economists, social scientists, biomedical engineers and clinicians. Given the size and complexity of the TILDA data there is a

team of data managers, analysts and statisticians whom FRAILMatics researchers will work closely with.

In TILDA health assessments, computer-based neurocognitive tests are used to measure response times and errors in tests of sustained attention (SART: sustained attention to response task) and choice reaction (CRT: choice reaction time), where participants experience the stress of time under specific test instructions involving a fine motor response. TILDA also has a vast cross-sectional and longitudinal dataset of automatically recorded gait parameters at the person's preferred speed, under cognitive challenges, and at maximum speed (GAITRite® system). In the clinical cohort we will also collect three-dimensional gait analysis with the Codamotion® system. In both cohorts, multiple cardiovascular parameters are non-invasively recorded continuously (with the Finometer®) during an active stand test, which challenges the ability of our body systems to compensate for a rapid change in position. We simultaneously record brain oxygenation parameters during the active stand with the PortaLite® NIRS system.

Real time physiological measurement generates vast amounts of data. FRAILMatics will have access to big cross-sectional and longitudinal datasets of over **1 billion data points**, containing detailed dynamic physiological data across the systems and also a wide range of outcome data that can be used to train models if desired. FRAILMatics will tackle this big data challenge by embracing two complementary approaches:

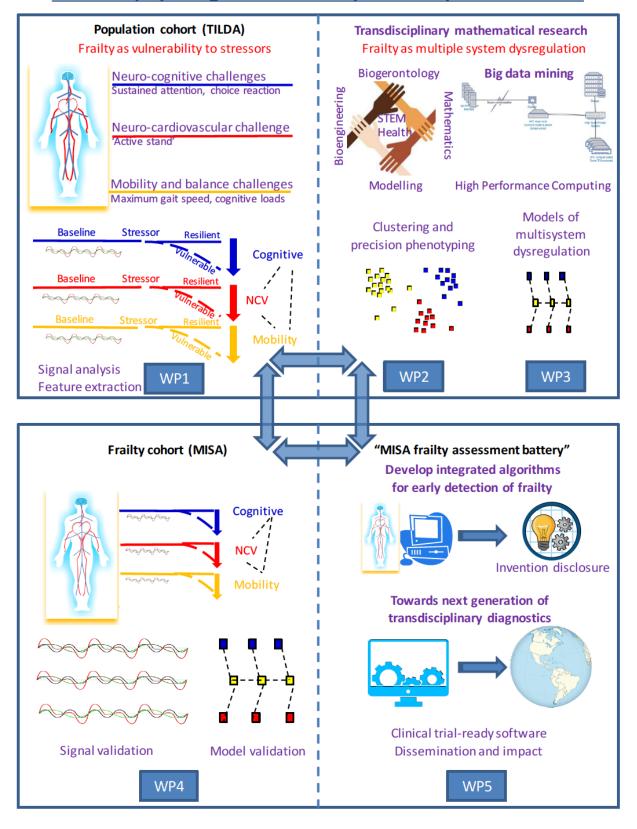
On the one hand, we will use **machine learning** that incorporates manually extracted features. For example, for the active stand we have pilot data using **information entropy**, which directly correlates with the complexity of a signal and can be measured before and after stress. We can use **multiscale entropy methods** to integrate cardiovascular signals, and signals across systems.

On the other hand, we will use **deep learning** methods where models will not be constrained by given features. For example, for the active stand we have pilot data using **Bayesian functional clustering**. These models are computationally expensive, especially if we want to

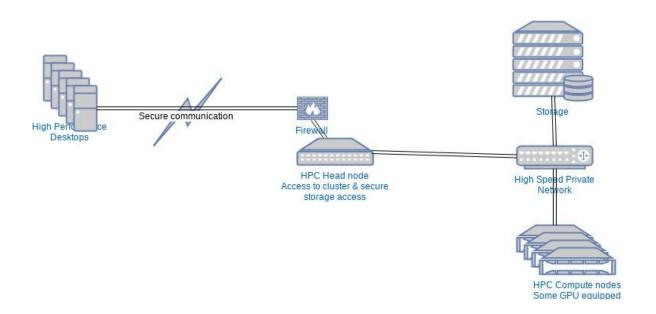
cluster a large number of functional variables and variables across systems. This is why FRAILMatics requires a new start-up HPC infrastructure.

The outputs of FRAILMatics will be in the form of **new models of multiple physiological dysregulation to stressors**. FRAILMatics' ambition is to produce **software packages** that when incorporated into a brief frailty assessment battery based on existing technologies can detect and quantify patterns of vulnerability to stressors across the frailty spectrum, and therefore increase the detection of those who are at higher risk of complications with higher specificity than current frailty identification methods. FRAILMatics will advance the science of frailty and align with the Research Priority Areas in the areas of Diagnostics and Medical Devices, and also with the Sláintecare Action plan, in that savings from reducing the cost of avoidable complications could be invested in expanding new models of care based on e-health solutions. Over 5 years, FRAILMatics will generate a high volume of scientific publications and invention disclosures. At the end of the programme, FRAILMatics' tools will be at an early stage of technology readiness, requiring new collaborations in the field of medical device trials. The summary of FRAILMatics' research programme is in the infographic below.

FRAILMatics: Mathematical research and big data learning to model physiological vulnerability and frailty in older adults



To facilitate FRAILMatics' research programme, SFI has granted the PI an infrastructure budget of circa €250,000 to purchase a new High Performance Computing (HPC) system based in TILDA. Procurement of this system is already in progress and an initial solution will be in place by September 2020, with a possibility for expansion once the successful STEM post-doc candidate is appointed. This new system will be made up of a Storage Component, a HPC Cluster (mixed CPU and GPU cluster), and a high speed network between the storage component and the HPC cluster to facilitate rapid ingress of data and output of results. The central equipment will be housed in a secure and environmentally controlled College Data Centre backed by an uninterruptable power supply, and managed by Research IT (formerly the Trinity Centre for High Performance Computing). The system will also be composed by a sufficient number of new High Performance Desktops and peripheries located in TILDA offices (in Trinity College Dublin and MISA) to facilitate development of workflows and methodologies. These computing peripheries will be managed by TILDA IT staff. An overview of this new private storage and HPC system is summarised in the Figure below.



Further Information

Informal enquiries about this post should be made to Prof. Ortuno at romeroor@tcd.ie.

Standard Duties and Responsibilities of the Post

The post holder will be expected to:

- Conduct research under the direction of the Principal Investigator (Prof. Roman Romero-Ortuno) on FRAILMatics, which is the research grant from which her/his salary will be paid.
- Lead FRAILMatics' research on dynamic frailty modelling. The postdoctoral HEALTH fellow
 will work in collaboration with the postdoctoral STEM researcher and report to the PI.
 She/he will assist the PI with the academic supervision of both doctoral students.
- Contribute her/his health expertise to guide the machine/deep learning processes and help interpret their outputs, working in close collaboration with the FRAILMatics' team.
- Assist with the management of the datasets and prepare data for machine/deep learning analyses ensuring its reliability and usability in a variety of computer programmes.
- Collaborate with FRAILMatics' official collaborators and other researchers as specified by the Principal Investigator.
- Cooperate with the TILDA management team and abide by operational policies at all times.
- Prepare progress and technical reports on the research conducted under FRAILMatics.
- Present findings to interdisciplinary audiences at seminars and conferences.
- Represent FRAILMatics in discussions at public, technical and scientific fora.
- Contribute to the organisation and running of the planned FRAILMatics' small-scale patient engagement and Patient-Public Involvement (PPI) events.
- Disseminate results to policy makers, healthcare professionals and other stakeholders through various means including research briefs.
- Seek innovative opportunities for knowledge exchange and dissemination of results.
- Generate internationally peer-reviewed publications in high-impact scientific journals.
- Support the Principal Investigator in intellectual property-related matters arising from the research (e.g. Invention Disclosure Forms, Patents).
- Identify and develop funding applications for any further studies that may be necessary from hypotheses or prototypes developed during the course of the research programme.

Funding Information

This research programme is funded by **Science Foundation Ireland** (SFI) under the **2018 President of Ireland Future Research Leaders Programme**, awarded to Principal Investigator Prof. Roman Romero-Ortuno.

Person Specification

Qualifications

 Candidates must hold a PhD degree in a relevant Health Science (e.g. Physiology, Psychology, Neuroscience, Cardiovascular science, Physiotherapy, Biomechanics, Kinesiology, Sports science).

Knowledge & Experience (Essential & Desirable)

Essential

- Experience working with large cross-sectional and longitudinal datasets.
- Excellent computing, communication, writing, verbal, and organisational skills.
- Ability to work independently and effectively as a member of a team.
- Ability to communicate clearly with specialists from other research disciplines.
- Proven track record of international peer-reviewed publications.

Desirable

- Post-PhD professional experience.
- Experience working in an interdisciplinary team.
- Experience in a leadership role in a research group or laboratory.
- Demonstrated capability to exercise independence in research as evidenced by, for example, senior authorship/sole authorship of publications, and invited presentations at conferences.
- Past attainment of research funding as PI, co-PI or collaborator.
- Demonstrated capability and interest in teaching, especially to disciplines other than her/his own.
- Interest in ageing research.

Skills & Competencies

Essential

Experience in general statistical applications.

Desirable

• Knowledge of data visualisation methods.

Further Information for Applicants

| URL Link to Area | www.tcd.ie |
|-----------------------------|------------------------|
| URL Link to Human Resources | https://www.tcd.ie/hr/ |
| URL Link to TILDA | www.tilda.ie |
| URL Link to MISA | https://misa.ie |

The Irish Longitudinal Study on Ageing (TILDA), Trinity College Dublin

Prof. Ortuno will lead FRAILMatics through the utilisation of the big data resource and infrastructure contained in <u>TILDA</u>. TILDA will provide the SFI team with strong, centralised support for research operations activities across the life cycle of the research project, and will recruit and accommodate the new STEM and biomedical staff undertaking big data mining and development of modelling tools. TILDA will also accommodate a new storage and High Performance Computing (HPC) infrastructure to facilitate the research.

TILDA is a nationally representative prospective cohort study of the social, economic and health circumstances of 8,175 people aged over 50 in Ireland, including childhood socioeconomic circumstances and events. TILDA aims to improve population health by providing insights into potentially new modifiable risk factors that can be used in screening tests for clinical and public health practice. TILDA collates long-term comprehensive physiological data that is not available to other nationally representative samples and measures a vast number of novel objective health measures across a wide range of

physiological systems, including neurocardiovascular instability (e.g. heart rate variability, pulse wave velocity, beat-to-beat orthostatic blood pressure responses), biomarkers, gait and balance signals (accelerometry and gait analysis), and neurocognitive function.

The Mercer's Institute for Successful Ageing (MISA), St James's Hospital, Dublin

MISA at St. James's Hospital is a state-of-the-art-facility for integrated clinical services and a hub for world-leading clinical services and research in ageing. The Institute promotes coordinated patient-centred care, coupled with far-reaching educational and training programmes. Responding to the need for innovation in the delivery of services for Ireland's ageing population, the Institute provides early diagnostic and rapid access care clinics, along with inpatient acute assessment, rehabilitation, and continuing care units; delivers innovative research and develops technologies with industry partners to advance healthy life-years; and serves as a local resource to the surrounding community, while offering Ireland a national centre for Successful Ageing.

In MISA, the state-of-the art **Falls and Syncope Unit** (<u>FASU</u>) provides rapid, expert assessment and treatment for adult patients who suffer from dizziness, faints, falls and syncope (loss of consciousness). Using state-of-the-art neuro-cardiovascular technologies, the FASU team investigates balance disorders, fluctuations in blood pressure, and changes in gait and blackouts, advancing accurate diagnoses and appropriate treatments. MISA and FASU facilities will be available to the FRAILMatics team for the translation of the TILDA-based research.

Facilities of the <u>Biomedical Engineering laboratory</u> at MISA will also be available to the team. The lab provides a space for engineering concepts and skills to be applied to clinical and research problems in medicine, with a particular focus on older age. The Biomedical Engineering laboratory hosts hospital personnel and visiting postdoctoral, postgraduate and undergraduate students working on clinical projects with a technological or engineering science component. The lab hosts and maintains the 3-D gait platform, which will be available to the team for the clinical research phase of FRAILMatics, in addition to equipment to support electronic prototyping, software development, data analytics, optics development,

system modelling and 3D printing.

Discipline of Medical Gerontology

Ageing is one of the principal strategic themes in Trinity College Dublin. The <u>Discipline of Medical Gerontology</u> supports clinical and didactic teaching and research around successful ageing and preventative care of the older person. The teaching curriculum aims to demonstrate to students that a tailored approach to the management and care of the older person is necessary to manage the problems of later life. The emphasis on prevention as well as detection and remediation of functional loss, aims to help students gain an understanding of the need for a structured approach to disease syndromes often inherent in the ageing process. The discipline is committed to improving the undergraduate training of students at Trinity College Medical School by exposing them to a holistic approach to disease management and by encouraging the management and use of multidisciplinary therapies, grounded in science and of proven efficacy. The Discipline of Medical Gerontology contributes to the undergraduate courses in Medicine, Dentistry, Occupational Therapy, Physiotherapy and Radiation Therapy.

With a long and well established history in ageing research, the Discipline of Medical Gerontology is currently involved in a diverse range of research projects. These research programmes will enable health professionals and academics to consider the full range of activities and aspects that affect and shape the ageing process as well as deliver new ways to advance the concept of successful ageing and promote preventative health care.

The Discipline's multidisciplinary and integrative approach is supported by education and training policies which focus on the social, psychological and biological aspects of ageing. The programme span a broad range of research areas including basic sciences, translational research as well as health and social policy research.

Trinity College Dublin, the University of Dublin

Trinity is Ireland's premier university, with a proud tradition of excellence stretching back to its foundation in 1592. The oldest university in Ireland, and one of the oldest in Europe, today Trinity sits at the intersection of the past and the future, and is ideally positioned as a major university in the European Union. Our 47-acre campus is located in the heart of Dublin city centre and is home to historic buildings dating from the University's establishment, as well as some of the most cutting-edge teaching and research facilities in Ireland. Students at Trinity benefit from a unique educational experience across a range of disciplines in our three faculties – Arts, Humanities, and Social Sciences; Engineering, Mathematics and Science; and Health Sciences. 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 18 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. These internationally recognised themes include such diverse areas as Cancer, Immunology, Telecoms, Identities in Transformation, Nanoscience, Neuroscience, and Making Ireland. Researchers from across the University work together in innovative ways to develop new and exciting approaches to their research and explore the frontiers of knowledge in the 21st century. In creating these dedicated research themes, Trinity's researchers are able to become a more powerful force on the global stage, successfully competing for large-scale grants and attracting top students and faculty to the University. Trinity is home to Ireland's first purpose-built Nanoscience research institute, CRANN, which opened in January 2008. This state-of-the-art facility houses 150 scientists, technicians, and graduate students in specialised laboratories, fostering creative innovations that have seen Trinity's researchers make significant breakthroughs.

The Trinity Long Room Hub for Arts and Humanities Research Institute is the University's flagship institute for research in the Arts and Humanities, providing a world-class environment for cross-disciplinary collaborative projects. The Long Room Hub provides a central location through which the University's internationally respected Arts and Humanities research can become more visible, demonstrating its relevance for contemporary and future societies.

Researchers from across the University regularly participate in debates on topical issues facing the world today. As well as operating an International Visiting Research Fellowship programme, the Long Room Hub also hosts major EU-funded Digital Humanities projects.

One of the most instantly recognised parts of Trinity's campus is the famous Old Library, home to the historic Book of Kells as well as other internationally significant holdings in manuscripts, maps, and early printed material. Trinity's Library is the largest research library in Ireland and is an invaluable resource to Trinity's students and research community. Built up over the four centuries of the University's existence, the Library's collections have benefitted from its status as a Legal Deposit library for the past 200 years, granting Trinity the right to claim a copy of every book published in Ireland and the UK. At present, the Library's holdings span approximately 4.25 million books, 22,000 printed periodical titles, and access to 60,000 e-journals and 250,000 e-books.

Trinity attracts top students from Ireland and abroad and prides itself on the consistently high standard of student admitted to the University every year. These students are drawn to Trinity for the excellence of our research-led teaching and for the quality and prestige a degree from this University confers. Trinity has also pioneered accessibility to education in Ireland, becoming the first university in the country to reserve 15% of its undergraduate places for students from non-traditional learning groups. Trinity is the top-ranked European university for student entrepreneurship and Europe's only representative in the world's top-50 universities.

Our alumni have gone on to shape the history of Ireland and of Western Europe in a wide range of fields. These include such notable figures as Jonathan Swift, Oscar Wilde, William Rowan Hamilton, Edmund Burke, William Stokes, Denis Burkitt, Louise Richardson, Lenny Abrahamson, and Anne Enright. Three of Trinity's graduates have been awarded Nobel prizes: Ernest Walton for Physics in 1951; Samuel Beckett for Literature in 1968; and William Campbell for Physiology / Medicine in 2015. Trinity also counts the first female President of Ireland among its alumni in Mary Robinson, as well as other notable former Presidents Douglas Hyde and Mary McAleese. At Trinity we are justifiably proud of our tradition, and we strive to uphold this excellence as we face the demands of the 21st century.

Ranking Facts

Trinity is the top ranked university in Ireland. Using the QS methodology, the University is ranked 104th in the world and using the Times Higher Education World University Rankings methodology Trinity is 117th in the world.



Overall

- Trinity is Ireland's No.1 University in the QS World University Ranking, THE World University Ranking and the Academic Ranking of World Universities (Shanghai).
- Trinity is ranked 104th in the World, and 36th in Europe, in the 2018/2019 QS World University Ranking.
- Trinity is ranked in the Top 120 for Graduate Employability in the QS 2018 Rankings.
- Trinity is in the Top 50 most innovative universities in Europe according to Reuters.²
- Between 2010 and 2015, Trinity was ranked the top university in Europe for entrepreneurship according to Pitchbook's independent analysis.³

² http://www.reuters.com/article/us-innovative-stories-europe-idUSKCN0Z00CT

³ http://pitchbook.com/news/reports/2015-2016-pitchbook-universities-report

Internationalisation

 Trinity is ranked 52nd in the world in the THE World University Ranking for international outlook.

Research Performance

- Of the 981 institutions included in the THE World University Rankings for 2017, Trinity is in the top 15% internationally for research performance.
- Trinity is ranked in the top 15% internationally by QS for citations.

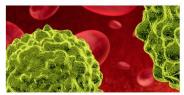
In the QS World University Subject Rankings:

- Trinity is ranked in the top 50 worldwide in four subject areas according to the QS World University Subject Rankings 2018. The University is ranked in the top 100 globally for 20 subjects overall.
- Trinity's Top 50 subjects include Nursing (25th), Classics (28th), English (28th) and Politics (43rd).
- Trinity is ranked in the top 100 for each of the following 16 subjects: History, Languages, Philosophy, Theology, Computer Science, Biology, Medicine, Pharmacy, Chemistry, Geography, Materials Science, Education, Law, Social Policy, Sociology and Sport.
- The University is ranked in the top 100 for three broad subject areas: Arts & Humanities (57th), Life Sciences & Medicine (87th), and Engineering & Technology (89th).

Research Themes



Ageing



Cancer



Creative Arts Practice



Creative Technologies



Digital Engagement



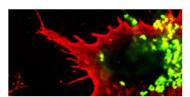
Digital Humanities



Genes & Society



Identities in Transformation



Immunology, Inflammation & Infection



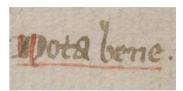
International Development



International Integration



Making Ireland



Manuscript, Book and Print Cultures



Nanoscience



Neuroscience



Telecommunications



Smart Sustainable Planet



Next Generation Medical Devices

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 preemployment 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 Jobs, Enterprise and Innovation and further information on the Highly Skills Eligible Occupations List is set out in Schedule 3 of the Regulations https://www.djei.ie/en/What-We-Do/Jobs-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.

Pension Entitlements

This is a pensionable position and the provisions of the Public Service Superannuation (Miscellaneous Provisions) Act 2004 will apply in relation to retirement age for pension purposes. Details of the relevant Pension Scheme will be provided to the successful applicant.

Applicants should note that they will be required to complete a Pre-Employment Declaration to confirm whether or not they have previously availed of an Irish Public Service Scheme of incentivised early retirement or enhanced redundancy payment. Applicants will also be required to declare any entitlements to a Public Service pension benefit (in payment or preserved) from any other Irish Public Service employment.

Applicants formerly employed by the Irish Public Service that may previously have availed of an Irish Public Service Scheme of Incentivised early retirement or enhanced redundancy payment should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. Such queries should be directed to an applicant's former Irish Public Service Employer in the first instance.

Application Procedure

Candidates should submit a cover letter together with a full curriculum vitae to include the names and contact details of 3 referees (email addresses if possible) to:

Name: Lucy Doogan

Title: Finance & HR Manager
Email Address: dooganl@tcd.ie

Contact Telephone Number: +353 1 896 4327









