



Post Specification

Post Title:	Post-doctoral researcher in Perceptual Neuroscience
Post Status:	Specific Purpose Contract – Full-time.
Research Group / Department / School:	Multisensory Cognition Lab, Institute of Neuroscience, Trinity College Dublin, the University of Dublin
Location:	Institute of Neuroscience, Lloyd Building, Trinity College Dublin, the University of Dublin, College Green, Dublin D02 PN40, Ireland
Reports to:	Professor Fiona Newell
Salary:	Appointment will be made on the Irish Universities Association Post-Doctoral pay scale, at a point in line with Government Pay Policy [€37,874 to €45,041 per annum], and the appointment will be made no higher than point 7.
Hours of Work:	Full time
Closing Date:	12 Noon (GMT), 19 th July, 2021

Post Summary: Post-doctoral researcher in Perceptual Neuroscience

Applications are invited for the role of Post-doctoral Researcher at Trinity College Institute of Neuroscience (TCIN). The aim of the project is to elucidate the behavioural and brain processes underpinning combined visual, auditory and haptic object categorization, in children and in adults, and assess the extent to which such categories adapt to changes in task conditions. The research adopts a multidisciplinary approach involving cognitive neuroscience, statistical modelling, psychophysics and computer science, particularly Virtual Reality.

The candidate will work within the Multisensory Cognition lab, headed by Professor Fiona Newell, and will also work in collaboration with Prof. Robert Whelan and his research team. Both groups are based in TCIN and affiliated with the School of Psychology. The Multisensory Cognition lab has dedicated laboratory facility equipped with state-of art facilities for behavioural testing, including eye tracking and VR technology (HTC Vive and Oculus). TCIN also houses a research-dedicated MRI scanner, accessible to all principal investigators and their groups.

The position is funded for **2 years initially**, with a possibility for continuation, and is available immediately. Ideally, successful candidates are expected to take up the position no later than **September 2021**. The post-doctoral researcher will join a research team of PhD students, postdoctoral researchers, and a research assistant/lab manager and have the opportunity to collaborate with colleagues within the Institute of Neuroscience, across other disciplines in Trinity College, and industrial partners. They will participate in regular lab and collaborator meetings, learn about diverse methodologies in perceptual science and have the opportunity to attend major international conferences in the field.

Standard Duties and Responsibilities of the Post

The candidate will be required to help lead this project and work collaboratively with other members of the research team. Specifically they will be required to design and conduct novel experiments in multisensory object perception, both behavioural and neuroimaging, to

analyse the results and disseminate the findings (as journal articles, and conference presentations). This project also includes an outreach component to engage the public in science, and the candidate is expected to be involved in these efforts.

Funding Information

The position is funded by Science Foundation Ireland, from a 'Frontiers for the Future Award' granted to Fiona Newell (Principal Investigator).

Qualifications

The candidate must have a PhD in Experimental Psychology and/or Cognitive Neuroscience. Those with a relevant background in Human Perception from other cognate disciplines are also invited to apply.

Knowledge & Experience (Essential & Desirable)

An experienced post-doctoral researcher is required to lead on the behavioural and neuroimaging studies that form part of the research programme. Such a role requires a strong background and expertise in Cognitive Neuroscience, particularly multisensory human perception demonstrated through publications in the field.

The candidate will have excellent experimental skills, with experience in psychophysical and behavioural and neuroimaging studies (essential). Ideally the candidate should have experience in conducting multisensory research, involving testing in visual, auditory or haptic modalities. Experience in Matlab, Python, R or related programming tools (e.g. PsychoPy) is highly desirable. The candidate should be competent in statistical modelling and analysis of fMRI data (essential) and a background in multi-voxel pattern analysis (MVPA) is desirable.

Application Procedure

Applicants should submit a full Curriculum Vitae to include the names and contact details of two academic referees (including email addresses), and list of publications to:-

Professor Fiona Newell at the following email: Fiona.newell@tcd.ie

Informal enquiries can also be made to the same email address. Applications will be reviewed on an ongoing basis up until the application deadline.

Further Information for Applicants

URL Link to Area	https://multisensorytcd.com/
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GARDA CLEARANCE:

Police vetting will be sought in respect of individuals who come under consideration for a post.

PLEASE NOTE: Applicants will be required to complete and return a Garda vetting form should they come under consideration for appointment. In some cases they may be requested to complete the form on the day of interview. This form will be forwarded to An Garda Síochána (Irish Police) for security checks on all Irish addresses at which they have resided. An Garda Síochána will make enquiries with the Police Service of Northern Ireland with respect to addresses in Northern Ireland. If an applicant is not successful in obtaining the post for whatever reason, this information will be destroyed. If an applicant, therefore, subsequently comes under consideration for another position, they will be required to supply this information again.

While applicants must complete information in relation to all addresses at which they have resided, the vetting is only done on addresses on the island of Ireland.

If an applicant has resided / studied in countries outside of Ireland for a period of 6 months or more, it is mandatory for them to furnish a Police Criminal Records Check/ Police Certificate from those countries stating that they have no convictions recorded against them while residing there. Applicants will need to provide a separate Police Criminal Records Check/ Police Certificate for each country in which they have resided. The Police Criminal Records Check/ Police Certificate must be dated after the date the applicant left the relevant country. Applicants should provide documentation in the English and/or Irish language. Translations must be provided by a registered translation company/institute in the Republic of Ireland; all costs will be borne by the applicant. Only original version documents will be accepted.

Applicants should be aware that any information obtained in the Garda Vetting process can be made available to the employing area.

It is the responsibility of the applicant to seek security clearances in a timely fashion as they can take some time. No applicant will be appointed without this information being provided and being in order.

The following websites may be of assistance in this regard:

www.disclosurescotland.co.uk

www.psni.police.uk

This website provides information on obtaining a national police clearance certificate for Australia

www.afp.gov.au

This website provides information on obtaining police clearance in New Zealand.

www.courts.govt.nz

For other countries not listed above applicants may find it helpful to contact the relevant embassies who could provide information on seeking Police Clearance. Original Police Clearance documentation should be forwarded to Human Resources where it will be copied and the original returned to the applicant by post. **Any cost incurred in this process will be borne by the Applicant.**

Trinity College Dublin, the University of Dublin

Trinity is Ireland's leading university and is ranked 101st in the world (QS World University Rankings 2021). 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 the top-ranked European university for producing entrepreneurs for the past five successive years and Europe's only representative in the world's top-50 universities (Pitchbook Universities Report).

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 is the top ranked university in Ireland and ranked 101st in the world (QS World University Rankings 2021). Trinity ranks in the top 50 in the world on 4 subjects and in the top 100 in 17 subjects (QS World University Rankings by Subject 2021). Full details are available at: www.tcd.ie/research/about/rankings.

The Selection Process in Trinity

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.

Information supplied by candidates in their application (e.g. Cover Letter and CV) will be used to shortlist for interview. 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, and References. Outcomes of interviews are notified in writing to candidates and are issued no later than 5 working days following the selection day.

It is the policy of the University to conduct pre-employment medical screening/full pre-employment medicals.

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>.

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

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Applicants should submit a cover letter, a full Curriculum Vitae to include the names, contact details of two academic referees (including email addresses), and copies of relevant publications to:-

Professor Fiona Newell

Fiona.newell@tcd.ie

