

Further Information: HR7.

Job title	Research Assistant in Behavioural and Computational Neuroscience
Grade	5
Salary range	Research Assistant: £29,605 - £33,966
Staff Group	Research
Department / Institution	Department of Engineering

Role-specific information

Role Summary

This is an opportunity for a talented researcher to join the dynamic and multidisciplinary research environment of the Computational and Biological Learning research group (<https://www.cbl-cambridge.org/>), Department of Engineering, University of Cambridge. We are looking for a research assistant to work on projects related to statistical learning and its effect on the endogenous regulation of pain signals in the central nervous system. The research assistant will be supervised by Dr Flavia Mancini (Assistant Professor and head of the Nox Lab <https://www.noxlab.org>) and is expected to work closely with collaborators as well as people with chronic pain. The experiments will involve a range of learning and decision making tasks, including statistical and sequence learning, neurophysiological measurements and neuroimaging (at the Wolfson Brain Imaging Centre). The research assistant will be ideally someone who has obtained a master degree in a relevant neuroscience discipline but has not started a PhD program yet – it is a great role to get research experience. The post is not suitable for those who already hold a PhD.

Key Responsibilities

Ideating, designing and conducting neuroimaging/behavioural studies on using behavioural, computational and neuroimaging research methods in humans	70%
Analysing neural, neuroimaging or behavioural data	20%
Dissemination of research findings (writing papers, presenting at lab meetings and conferences, public engagement)	5%

Maintaining and developing methodological/ technical skills to expand their scientific potential. The post-holder is expected to grow and develop in methodological skills and theoretical understanding during this post.	5%
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Location	Department of Engineering, Trumpington Street, Cambridge. CB2 1PZ
Working pattern	Full time
Hours of Work	Your employment is full time There are no conditions relating to hours and times of work but you are expected to work such hours and days as are reasonably necessary for the proper performance of your duties. Your times of work should be agreed between you and your head of institution, or his/her nominee.
Length of appointment	Until 31/05/2025
Limited funding	This post is funded by an MRC research grant and, in the event that this funding should cease, the post may be at risk of redundancy. In the first instance, the funding supporting the post ends on 31/05/2025 and the head of department, or his/her nominee, will keep the role holder informed of the funding situation.
Probation period	Information at: http://www.admin.cam.ac.uk/cam-only/offices/hr/probation/length.html Probation period is 3 months.
Annual leave	Full time employees are entitled to annual paid leave of 6.6 weeks (or 41 days for those working full time), inclusive of public holidays (pro-rata for part-time staff). The period for calculating entitlement to holiday leave in any particular year is the academic year i.e. 1 October to 30 September.
Pension eligibility	You will automatically become a member of the Universities Superannuation Scheme (USS) on commencement of employment. Please note that it is not possible to opt out of the scheme until you have received certain specified information about the pension scheme and this will be sent to you shortly after you have been paid for the first time. Pension scheme details are available on our web pages at: http://www.pensions.admin.cam.ac.uk/ . Information about the legal requirement for the University to automatically enrol its eligible jobholders into a qualifying workplace pension scheme is available on our web pages at: http://www.pensions.admin.cam.ac.uk/auto-enrolment-workplace-pensions .
Retirement age	The University does not operate a retirement age for research staff. Further details are available in the University Retirement Policy on

	our web pages at http://www.hr.admin.cam.ac.uk/policies-procedures/retirement-policy/statement-policy .
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Person Profile

This section details the knowledge, skills and experience we require for the role.

Education & qualifications	Applicants must have (or be close to obtaining) a Masters degree (at least 2:1) in a relevant subject area to neuroscience, physics, mathematics, biology, psychology or a related neuroscience field.
Specialist knowledge & skills	Essential: Knowledge of statistics, behavioural, systems, cognitive and/or computational neuroscience Programming skills Desirable: Specialist skills in neuroimaging methods, from data collection to analysis (especially fMRI).
Interpersonal & communication skills	Excellent written and oral communication skills, in English
Relevant experience	Essential: Experience in conducting and analysing behavioural and/or neuroimaging experiments on human participants
Additional requirements	Ability to work both independently and as part of a team. Excellent organizational skills. Willingness to undertake management and administrative duties.

Terms and Conditions

Pre-employment Check Requirements

We have a legal responsibility to ensure that you have the right to work in the UK before you can start working for us. If you do not have the right to work in the UK already, any offer of employment we make to you will be conditional upon you gaining it. If you need further information, you may find the Right to Work page within the 'Applying for a job' section of the University's Job Opportunities pages helpful (please see <http://www.jobs.cam.ac.uk/right/have/>).

Application Process

To submit an application for this vacancy, please click on the link in the 'Apply online' section of the advert published on the University's Job Opportunities pages. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

Please ensure that you upload the following documents in the Upload section of the online application:

- your Curriculum Vitae (CV) inclusive of publication list
- a covering letter
- your academic transcripts for all your degrees

If you upload any additional documents which have not been requested, we will not be able to consider these as part of your application.

If you have any questions about this vacancy, please contact Dr Mancini fm456@cam.ac.uk for queries of a technical nature related to the role and cbl-enquiries@cam.ac.uk for queries related to the application process.

General Information

The University of Cambridge

The University of Cambridge is one of the world's oldest and most successful Universities, with an outstanding reputation for academic achievement and research. It was ranked first in the 2011 QS World University Rankings and its graduates have won more Nobel Prizes than any other university in the world. The University comprises more than 150 departments, faculties, schools and other institutions, plus a central administration and 31 independent and autonomous colleges.

The University and the Colleges are linked in a complex historical relationship. The Colleges are self-governing, separate legal entities which appoint their own staff. They admit students, provide student accommodation and deliver small group teaching (supervisions). The University awards degrees and its faculties and departments provide lectures and seminars for students, determine the syllabi for teaching and conduct research.

There is much more information about the University at <http://www.cam.ac.uk/univ/works/index.htm> which we hope you will find helpful.

Department of Engineering

The Department of Engineering is the largest department in the University of Cambridge, representing approximately 10% of the University's activities by the majority of common metrics, and is one of Europe's largest integrated engineering departments. It achieves the highest standards in both research and teaching. Its international reputation attracts the best students, academics, sponsors and partners from around the world.

The Department seeks to benefit society by creating world-leading engineering knowledge that fosters sustainability, prosperity and resilience. We share this knowledge and transfer it to industry through publication, teaching, collaboration, licensing and entrepreneurship. By integrating engineering disciplines in one department, we can address major challenges and develop complete solutions, serving as an international hub for engineering excellence.

Computational and Biological Learning Research Unit

The Computational and Biological Learning research unit is a rapidly growing group in the Department of Engineering consisting of approximately 100 researchers. Research in CBL includes both Computational Neuroscience and Machine Learning.

What the University can offer you

One of our core values at the University of Cambridge is to recognise and reward our staff as our greatest asset. We realise that it's our people who have built our outstanding reputation and that we will only maintain our leading position in the academic world by continuing to attract and retain talented and motivated people. If you choose to come and work with us, you will find that we offer:

- **Excellent benefits** – You will be eligible for a wide range of competitive benefits and services, including numerous discounts on shopping, health care, financial services and public transport. We also offer defined benefits pension schemes and tax-efficient bicycle, car lease and charity-giving schemes.

We will help you balance your home and work life by providing you with generous annual leave entitlement and procedures for requesting a career break or flexible working arrangements if you need them. You will also have access to a range of well-being support services, including in-house Occupational Health and Counselling services. If you have childcare responsibilities, you may also benefit from the enhanced maternity/adoption pay, two nurseries and a holiday play scheme that we provide.

We are keen to welcome new employees from other parts of the UK and other countries to Cambridge. If you will be relocating to Cambridge on a centrally funded appointment of two years or more, you may be eligible for our relocation expenses scheme. The University Accommodation Service will also be available to help you find suitable rented accommodation and to provide advice on renting arrangements and local facilities, if required. In addition, certain academic and academic-related appointments are eligible for the Shared Equity Scheme which offers financial assistance with the purchase of living accommodation. You may find the pages at www.internationalstaff.ac.uk helpful in planning a relocation.

- **A welcoming and inclusive environment** - We will help you settle into your new role and working environment through a central University induction event, local induction activities and our online induction package. Where appropriate to your role, you will have a probation period to provide a supportive framework for reviewing your progress and discussing your training and development needs.

If you are relocating to Cambridge, you and your family will be welcome to attend the Newcomers and Visiting Scholars Group, which provides an opportunity to find out more about Cambridge and meet other people new to the area.

- **Extensive development opportunities** - The encouragement of career development for staff is one of the University's core values. We put this into practice through various services and initiatives, including:
 - A wide-range of training courses and online learning packages.
 - The Staff Review and Development (SRD) Scheme, which is designed to enhance work effectiveness and facilitate career development post-probation.
 - Leave for career and personal development, including long-term study leave for assistant staff and sabbatical leave for academic staff.
 - The CareerStart@Cam programme, which supports assistant staff roles without higher education qualifications to develop their skills, experience and qualifications. Assistant staff may also apply for financial assistance for study which results in a qualification.
 - Reduced staff fees for University of Cambridge graduate courses.
 - The opportunity to attend lectures and seminars held by University departments and institutions.
 - Policies and processes dedicated to the career development of researchers and the implementation of the principles of the Concordat, which have led to the University being recognised with an HR Excellence in Research Award by the European Commission.

You can find further details of the benefits, services and opportunities we offer can be found in our CAMBens Employee Benefits web pages at <http://www.admin.cam.ac.uk/offices/hr/staff/benefits/>. A range of information about living and working in Cambridge is also available to you within the University's web pages at <http://www.jobs.cam.ac.uk/> and <http://www.admin.cam.ac.uk/offices/hr/staff/>.

Equality of Opportunity at the University

We are committed to a proactive approach to equality, which includes supporting and encouraging all under-represented groups, promoting an inclusive culture and valuing diversity. We make selection decisions based on personal merit and an objective assessment against the criteria required for the post. We do not treat job applicants or members of staff less favourably than one another on the grounds of sex (including gender reassignment), marital or parental status, race, ethnic or national origin, colour, disability (including HIV status), sexual orientation, religion, age or socio-economic factors.

We have various diversity networks to help us progress equality; these include the Women's Staff Network, the Disabled Staff Network, the Black and Minority Ethnic Staff Network and the Lesbian, Gay, Bisexual and Transgender Staff Network. In addition, we were ranked in the top 100 employers for lesbian, gay and bisexual (LGB) staff in Stonewall's Workplace Equality Index 2013 and we hold an Athena SWAN silver award at organisation level for promoting women in Science, Technology, Engineering and Medicine.

The Department is committed to promoting gender equality as part of a landscape of encouraging diversity, tolerance and a culture of mutual support. The dedicated Diversity Committee oversees equality, diversity and inclusion related activities in the Department, and holds regular events to promote Engineering to under-represented groups. The Department was first granted an Athena SWAN Silver Award in 2017, which was renewed in September 2020 to recognise the Department's ongoing commitment to advancing the careers of women in STEMM. The Department of Engineering continues to make excellent progress towards achieving gender balance amongst its staff and students. More information on the Athena SWAN Charter can be found [here](#).

Information if you have a Disability

The University welcomes applications from individuals with disabilities and we are committed to ensuring fair treatment throughout the recruitment process. We will make adjustments to enable applicants to compete to the best of their ability wherever it is reasonable to do so, and, if successful, to assist them during their employment. Information for disabled applicants is available at <http://www.admin.cam.ac.uk/offices/hr/staff/disabled/>.

We encourage you to declare any disability that you may have, and any reasonable adjustments that you may require, in the section provided for this purpose in the application form. This will enable us to accommodate your needs throughout the process as required. However, applicants and employees may declare a disability at any time.

If you prefer to discuss any special arrangements connected with a disability, please contact, cbl-enquiries@cam.ac.uk. Alternatively, you may contact the HR Business Manager responsible for the department you are applying to via hrenquiries@admin.cam.ac.uk.