



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Lecturer in Computational Neuroscience (Teaching and Research)

Faculty of Engineering and Physical Sciences



Salary: Grade 7 (£37,099 – £44,263 p.a.) or Grade 8 (£45,585 – £54,395 p.a.)

Reference: EPSCP1146

Location: Leeds campus

Closing date: Wednesday 13 March 2024

Full-time, ongoing

We are open to discussing flexible working arrangements

Lecturer in Computational Neuroscience (Teaching and Research), School of Computing.

The School of Computing at the University of Leeds is a highly ranked academic department ([top 10 in UK REF2021](#)) with a vibrant research culture and a commitment to excellence in our teaching. We are looking to appoint a Lecturer in Computational Neuroscience (analogous to tenure track Assistant Professor) to join our internationally outstanding Artificial and Biological Intelligence activity. The position provides an exceptional opportunity to pursue interdisciplinary research, in collaboration with extensive neuroscience activity in Leeds and beyond. We are looking for an academic with a proven track record of research in Computational Neuroscience, evidence of interdisciplinarity, and an ability to teach more broadly in Computer Science in a research-intensive Russell Group University.

The School spans research across algorithms & complexity; artificial intelligence and robotics; computational science & engineering; computing in biology, medicine and health; distributed systems & services, visualisation and computer graphics.

In the broad area of artificial intelligence, we are exploring machine learning; symbolic reasoning, vision, language, user modelling, robotics (including bio- and neuro-robotics), and integrative work on multi-modal systems. Our research in systems and computational neuroscience spans approaches from AI and computational science, combines data- and theory-driven approaches and active collaborations with experimentalists and clinicians, and benefits from membership in the University-wide centre Neur@L: Neuroscience Research at Leeds.

Our research has greater impact through working in multi-disciplinary teams, within and beyond the School, ranging across engineering, science and health disciplines, industry and the public-sector.

We have a vibrant community of postgraduate and postdoctoral researchers supported by a large portfolio of external research funding. We are core partners in major pan-University initiatives, such as the Leeds Institute for Data Analytics, Robotics Leeds, Centre for HealthTech Innovation, Leeds Cancer Research Centre and Leeds Institute of Fluid Dynamics, as well as in leading national centres such as the Alan Turing Institute.



We are seeking candidates working in computational and systems neuroscience and related areas of artificial and biological intelligence. In this role, you will have the opportunity to grow and contribute through working collaboratively in a dynamic, diverse and inclusive environment. You will join us in enhancing knowledge, innovation, education, student experience and the reputation of the University with a focus on quality and excellence.

What does the role entail?

As a Grade 7 Lecturer (Teaching and Research), your main duties will include:

- Contributing to the delivery of an exceptional student education and inclusive student experience within the School through:
 - Delivering high-quality research-led teaching, including assessment and examinations in a timely manner at different levels and through different modes of study (on-campus, on-line and/or off-site);
 - Providing support, guidance and timely feedback to students, acting as a personal tutor, resolving issues or referring to specialist parties where appropriate;
 - Contributing to the development and delivery of modules within the School, including the development of innovative educational approaches and contributing towards module design, review, and quality assurance mechanisms.
- Developing and delivering a planned programme of research and innovation in Computational Neuroscience with impact at national and eventually international levels. This will include:
 - Growing and then maintaining a record of high-quality research outputs including publications and conference presentations;
 - Attracting research funding individually and collaboratively to underpin your research plan;
 - Being involved in research supervision and contributing to the support of researchers.
- Contributing effectively to the administrative processes and committee structures of the School/Faculty.



As a Grade 8 Lecturer (Teaching and Research), your main duties will also include:

- Student education:
 - The development and delivery of modules and degree programmes within the School, including the development of innovative educational approaches, and participating in review and quality assurance.

- Research and innovation:
 - Being actively involved in research, innovation and impact at a national and international level, as well as contributing to local School/Faculty activity;
 - Maintaining a record of high-quality research outputs including publications and conference presentations;
 - Building academic networks to enable the integration of your own research area with other research interests within and, as appropriate, outside the School and University;
 - Providing research supervision and helping to attract funded postgraduate research students to the University.

- General:
 - Taking on leadership roles and where appropriate, managing initiatives which facilitate School, Faculty or University performance.
 - Acting as a role model for the University's expected leadership behaviours, promoting a culture of equality and inclusion, supporting colleagues, and upholding our sustainability agenda.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.



What will you bring to the role?

As a Grade 7 Lecturer (Teaching and Research), you will have:

- A PhD in Computer Science or related area;
- A proven record of teaching in a University environment, with an enthusiastic approach to teaching Computer Science and the ability to interact effectively with students in ways that will enhance the student experience;
- A high level of interpersonal and communication skills, and a strong ability to communicate effectively in writing and verbally with students, academic and external audiences;
- A developing track record of research outputs in refereed publications of internationally excellent quality;
- An ability to contribute to and develop interdisciplinary, collaborative research projects in a broad range of areas;
- A successful record of obtaining external research funding, commensurate with your career stage, with the potential for obtaining further funding in the future;
- An ability to contribute to management and administrative processes and structures.

As a Grade 8 Lecturer (Teaching and Research), you will also have:

- Experience of proactively developing new teaching approaches and materials;
- Experience of providing postgraduate student supervision;
- The ability to develop research networks and/or interdisciplinary collaborations through effective communication.

At both grades you may also have:

- Experience of undertaking outreach and publicity activities;
- Experience of contributing to academic leadership.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).



Contact information

To explore the post further or for any queries you may have, please contact:

[Netta Cohen](#), Head of Computing in Biology, Medicine and Health Theme

Email: N.Cohen@leeds.ac.uk

[Marc de Kamps](#), AI Programme Lead, Leeds Institute for Data Analytics

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[David Hogg](#), Head of AI Theme

Email: D.C.Hogg@leeds.ac.uk

Additional information

Faculty and School Information

Further information is available on the research and teaching activities of the [Faculty of Engineering & Physical Sciences](#), and the [School of Computing](#).

A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Engineering and Physical Sciences we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

The Faculty of Engineering and Physical Sciences are proud to have been awarded the Athena SWAN [Silver](#) Award from the Equality Challenge Unit, the national body that promotes equality in the higher education sector. Our [equality and inclusion webpage](#) provides more information.



Working at Leeds

We are a campus-based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

Information for disabled candidates

Information for disabled candidates, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at hr@leeds.ac.uk

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information page.

