



Job Description

This form summarises the purpose of the job and lists its key tasks. It is not a definitive list of all the tasks to be undertaken as those can be varied from time to time at the discretion of the School, in consultation with the postholder.

Job title: Post-Doctoral Research Officer in Episodic Memory (Philosophy of Artificial Intelligence & Cognitive Science)

Department/Division: Centre for Philosophy of Natural and Social Science (CPNSS)
Accountable to: Director

Job Summary

The post is part of Dr Alexandria Boyle's **Episodic Memory: Uniquely Human?** (EMUH) project, funded by a UK Research and Innovation Future Leaders Fellowship, investigating the function of episodic memory and its manifestations nonhuman systems, including animals and artificial agents. The post will be based in the Centre for Philosophy of Natural and Social Sciences, which promotes research into philosophical, methodological and foundational questions concerning science.

The Research Officer's work will focus primarily on the artificial intelligence strand of the project, investigating how artificial implementations of episodic memory can contribute to our understanding of episodic memory's function and/or distribution in the animal kingdom. The successful candidate will conduct innovative research into these questions. This will include working with the PI and external collaborators to develop episodic memory tests in the Animal-AI platform, a simulated 3D environment enabling comparisons of human, animal and AI behaviour. The ability to build agents or tests for this environment would be an advantage, but is not essential.

Duties and Responsibilities

The Post-Doctoral Research Officer will:

- Conduct innovative and significant research as part of the EMUH team – to include: integrating theories or evidence about episodic memory from AI and cognitive science and using these to address project questions; contributing to the design, implementation and/or interpretation of episodic memory tests for artificial agents (with external collaborators); authoring or co-authoring theoretical and/or review papers about artificial episodic memory.
- Collaborate closely with colleagues on the EMUH project, including collaborators at other institutions.
- Write and submit articles for publication in leading philosophical and scientific journals.
- Organise, participate in and present research at relevant conferences, seminars and workshops, both in the UK and internationally.



- Contribute to the project's knowledge exchange / public engagement activities.
- Contribute creative solutions to research challenges.
- Play a constructive role in the life of the Centre for Philosophy of Natural and Social Science at the LSE.

All of the above are subject to the contractual obligations imposed by the external funding agency and with the agreement of the grant-holder, Principal Investigator and/or Head of Centre.

Flexibility

To deliver services effectively, a degree of flexibility may be required in the duties performed in order to meet the exigencies of service. Job roles may also naturally develop over time and ongoing substantial changes to a role will be discussed between line managers and their staff, with job descriptions updated as and when appropriate.

Equity, Diversity and Inclusion (EDI)

LSE is committed to building a diverse, equitable and truly inclusive university. All posts (and post holders) will seek to ensure diversity and inclusion, while opposing all forms of unlawful and unfair discrimination on the grounds of age, disability, gender identity, marriage and civil partnership, pregnancy and maternity, race, nationality, ethnic or national origin, religion or belief, sex and sexual orientation, or social and economic background.

Ethics Code

Posts (and post holders) are assumed to have a responsibility to act in accordance with the School's Ethics Code and to promote the principles and values that the Code enshrines. The Ethics Code clearly states that the whole LSE community, including all staff, students, and governors of LSE, are expected to act in accordance with the principles which are set out in the Code. As such you are required to read and familiarise yourself with it. The School's Effective Behaviours Framework is designed to support this Code. It sets out examples for the six behaviours that all staff are expected to demonstrate, these can be found on the following link: [click here](#)

Environmental Sustainability

The post holder is required to minimise environmental impact in the performance of the role, and actively contribute to the delivery of the LSE Environmental Policy.