

# Human Research Technologist in the Cognitive Aging and Neuroimaging Lab at Penn State

## POSITION SPECIFICS

The [Cognitive Aging and Neuroimaging Lab](#) in the [College of the Liberal Arts](#) at Penn State is hiring a full-time **Human Research Technologist** to assist in their investigation of the effects of aging on episodic memory using both behavioral and neuroimaging (fMRI) methods.

The **Human Research Technologist** will work together with a team of graduate and undergraduate students on grant-funded projects related to understanding and improving associative memories in younger and older adults.

The **Human Research Technologist** will play an important role in the lab's work by being responsible for the day-to-day management of the lab.

### Key Responsibilities:

- Day-to-day management tasks of lab activities (e.g., scheduling and recruiting participants, training and supervising undergraduate research assistants)
- Creating experimental and laboratory protocols and procedures
- Programming of studies
- Data collection and analysis (including both behavioral and neuroimaging).

Opportunity for authorship on projects is also available.

Current projects in the lab center around understanding the cognitive and neural processes underlying false memories and associative memories. With respect to cognitive aging, our research examines neural markers of age-related cognitive decline, as well as mechanisms supporting neural compensation.

Regarding neuroimaging, we utilize univariate, multivariate (pattern classification, representational similarity analyses), functional connectivity, and structural analytical approaches in our investigation of encoding and retrieval processes underlying memory performance.

Information about all of our research, including ongoing projects, can be found on our lab website at <https://canlab.la.psu.edu/>

### Qualifications:

Experience with programming languages (e.g., MATLAB, R, Python) and analysis of fMRI data is preferred.

## MINIMUM EDUCATION, WORK EXPERIENCE & REQUIRED CERTIFICATIONS

Associate Degree No prior relevant work experience required; previous relevant work experience accepted in lieu of education. Required Certifications: None

A Bachelor's degree in psychology, neuroscience, computer science, or related fields, as well as excellent interpersonal skills are preferred. Those who will be receiving their degree at the conclusion of the Spring 2026 semester/term are eligible to apply.

**Additional Information:** Applicants must upload a cover letter and a CV or resume.

All inquiries about the position can be sent to Dr. Nancy Dennis, Department of Psychology, at [nad12@psu.edu](mailto:nad12@psu.edu).

The College of the Liberal Arts is supportive of flexible work arrangements when aligned with the ability to meet the needs of the unit and the essential duties of the position. Questions related to flexible work should be directed to the hiring manager during the interview process.

[Apply here!](#)