

## **CogT Lab Postdoctoral Fellow Position Description**

The CogT Lab at Stanford University is looking for Postdoctoral Fellows who are interested in understanding and promoting healthy aging and who have expertise in using neuroimaging methods to characterize and/or manipulate brain circuits underlying behavior. The candidate will conduct independent research on understanding neural mechanisms that can help promote healthy aging and delay functional decline in typical and pathological aging processes.

Our lab uses a translational framework to understand brain aging at various levels. Specifically, identifying how both healthy aging and pathophysiology differentially influence brain circuits known to play a role in behaviors (e.g., affect, cognition, mobility) important for "aging in place" (i.e., aging in one's own home, a core goal of aging research). Strong statistical and computational skills are essential; experience in translational/clinical laboratory research will be advantageous.

Evidence of the ability to produce and publish first-author academic papers, particularly in well-regarded neuroscience or computer science journals, as well as experience with grant writing (e.g., NIH or NSF fellowship) will also be taken into account. All fellows will be offered an NIH-level competitive monthly stipend.

### **Required qualifications:**

- PhD from an accredited university in neurosciences (e.g., cognitive, computational, clinical), cognitive sciences, psychology, computational and engineering sciences (e.g., computer science, computational biology, biomedical engineering) or other related fields.
- Working knowledge of neuroimaging (FSL, SPM, AFNI, or equivalent) and statistical (SPSS, SAS, Mplus, R, or equivalent) software.
- Proficiency in analytical computing using programming languages commonly used in neuroimaging (Python, Matlab, R, Bash).

### **Preferred qualifications:**

- Ideal candidates will have 3 years' experience in clinical neuroimaging and/or cognitive neuroscience, or an equivalent combination of training and experience.
- Experience using high-performance computer clusters.

### **Required application materials:**

- Letter of interest
- CV
- Names and contact details of three references

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