

Postdoc Position in Cognitive Control, Zhongzheng Fu Lab

A postdoctoral training position is available in the laboratory of Dr. Zhongzheng Fu [Faculty Profile](#) in the Department of Neurological Surgery where we study the neural mechanisms of cognitive control using mathematical modeling and human neurophysiology.

Current directions in the lab include probing the network activity underlying cognitive control using human single neuron recording, investigating the neuronal mechanisms for metacognition in memory-based decisions and artificial cognitive control.

Ultimately, we aim to develop novel approaches to restore cognitive control in various psychiatric/neurological conditions and enhance cognitive control in healthy individuals.

Applicants who are intellectually curious and passionate about tackling challenging neuroscience problems using a combination of approaches (behavioral modelling, intracranial recordings, neuromodulation, EEG/MEG) are encouraged to apply. Postdoctoral scientist in the lab will conduct cutting-edge research in a protected, interactive, highly collaborative, and well-funded environment, with access to state-of-the-art facilities such as EEG/MEG, intracranial recordings, high-performance computing sources.

Qualifications for this position include Ph.D. or M.D. degree(s). Applicants who are proficient in Python (MATLAB or R) and with a strong background in statistics, machine learning, deep learning and signal processing are particularly encouraged to apply.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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[Faculty Profile](#)

<https://zfu-lab.org>

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