



Postdoctoral Position Georgetown Laboratory for Relational Cognition

The [Georgetown Laboratory for Relational Cognition](#), directed by Adam Green, invites applications for a postdoctoral position. A focal project for this position is an ongoing collaboration with our partner site at the [Cognitive Neuroengineering & Wellbeing lab](#) at Drexel University, led by John Medaglia, to implement "closed-loop" brain stimulation experiments in creativity and executive function. The postdoc will help design and lead research to test how transcranial magnetic stimulation (TMS) at different phases of EEG rhythms may differentially affect creative and executive behavioral performance and related brain signals such as spectral content volatility. Depending on the researcher's interest, there will also be opportunity to contribute to projects that employ other forms of neuromodulation, including transcranial focused ultrasound, in combination with neuroimaging toward enhancing creativity and executive function. The researcher will also have the opportunity to contribute to projects investigating creativity using advanced text analyses and large language data, research on human-AI hybrid creativity, and development of novel computational metrics for creativity assessment.

A primary requirement for this position is technical competence in EEG analysis and statistics. The "closed-loop" projects will involve designing custom programs and scripts to organize, manage, preprocess and analyze EEG data. Coding experience in MATLAB, EEGLAB, and Python are desired, as is experience with EEG data collection and interacting with human subjects. The ideal skillset, though not required, additionally includes technical experience integrating different hardware components into a unified TMS-EEG signaling system.

The anticipated start date for the position is Spring or Summer of 2026, but earlier starting times are possible. Applications will be considered on a rolling basis until the position is filled. Favorable consideration will be given to applicants with a strong record of productivity and with experience or substantial interest in the following areas: creativity, computational methods, data science, learning, neuromodulation, and neuroimaging and/or electrical recording methods.

Interested candidates should send a CV and a letter of application describing research interests and professional goals to Max Kay (mk2470@georgetown.edu), and should include the names of three professional references who can readily provide letters of recommendation upon request. Any informal inquiries can be sent to the PI, Adam Green (aeg58@Georgetown.edu).

Georgetown University is an Equal Opportunity/Affirmative Action Employer and all qualified applicants will receive consideration without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. If you are a qualified individual with a disability and need a reasonable accommodation for any part of the application and hiring process, please see the Georgetown website for more information, or contact the Office of Institutional Diversity, Equity & Affirmative Action (IDEAA) at (202) 687- 4798. This position requires a criminal background check performed by Human Resources. Compensation is based on Georgetown pay scales, depending on qualifications and experience.