



**Post-Doctoral Research Scholar position at the Laureate Institute for Brain Research (LIBR, <https://www.laureateinstitute.org/> )**

**Position:** Dr. Robin Aupperle and Dr. Martin Paulus are currently seeking a post-doctoral scholar who possesses experience in adolescent and/or young adult mental health (externalizing and internalizing disorders) or substance use disorders and functional magnetic resonance imaging (fMRI) data analysis. This post-doctoral position provides specialized training in longitudinal research charting symptom emergence and change in youth at high risk of developing mental disorders in order to facilitate identification, prevention, intervention and treatment. A successful candidate will: (1) analyze fMRI, behavioral, and self-report data; (2) learn how to perform secondary multilevel (self-report, behavior, fMRI, genetic) analyses on Adolescent Brain Cognitive Development (ABCD) study data (<https://abcdstudy.org/>); (3) work with research participants and LIBR staff; (4) develop an expertise in advanced longitudinal modeling, statistical causal inference, and risk prediction models; (5) prepare and publish papers, give presentations, and write K-level National Institutes of Health (NIH) grant applications; and (7) progress toward an independent career.

**Institute:** Located in Tulsa, Oklahoma, LIBR is a privately-funded non-profit clinical neuroscience research institute attached to a major psychiatric hospital (Laureate Psychiatric Clinic & Hospital). Our mission is to reduce the suffering of psychiatric patients by leveraging leading talent and technology to discover novel therapies. LIBR offers excellent training opportunities in a dynamic, interactive, and multidisciplinary environment with a diverse team of collaborators. LIBR is a site for the NIH Adolescent Brain and Cognitive Development (ABCD) study. LIBR is an Equal Opportunity/Affirmative Action employer, compliant with the Americans with Disabilities Act and seeks to hire scholars from a wide variety of backgrounds and is committed to supporting a culture of diversity and respect.

**Facilities:** A state-of-the-art neuroimaging research environment, including two 3-Tesla MRI scanners (GE Discovery MR750; fully research-dedicated), equipped with blood-oxygen-level-dependent and arterial spin labeling pulse sequencing, a custom-developed real-time fMRI system, an fMRI-compatible electroencephalography (EEG) system, and a stand-alone EEG system.

**Requirements:** (1) Ph.D. in Clinical Psychology, Clinical Science, Developmental Psychology, Cognitive Psychology, Experimental Psychology or Neuroscience; (2) experience analyzing fMRI data; and (3) a solid foundation in statistics. Preferred skills: (1) experience with Analysis of Functional Neuroimages (AFNI) software and scripting; (2) experience with R statistical analysis software.

**Salary/Benefits:** This is a full-time research position for 2 years with renewable funding up to 3-5 years. A full benefits package is available.

**Start Date:** Spring or Summer, 2024

**How to Apply:** Interested candidates should email a CV, a brief statement of long-term career goals, and contact information for 3 references to Dr. Robin Aupperle, LIBR ABCD site Co-PI: [raupperle@laureateinstitute.org](mailto:raupperle@laureateinstitute.org)



**LIBR**

Laureate Institute for Brain Research

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