



POSTDOCTORAL FELLOWSHIP IN EPIGENOMICS & THE INTERGENERATIONAL TRANSMISSION OF STRESS, SUBSTANCE USE, TRAUMA, AND RESILIENCE

The [Brown Postdoctoral Fellowship Program](#), the Center for Behavioral and Preventive Medicine (CBPM) and the COBRE Center for Stress, Trauma, and Resilience (STAR) are seeking a motivated Postdoctoral Fellow to join our team. CBPM has a 30+ year history of conducting innovative research involving interdisciplinary, behavioral approaches to the prevention and treatment of disease. The Brown, CBPM and STAR communities are collaborative, dedicated to diversity and equity in all forms, and to creating an inclusive environment where the contributions of all are recognized and valued.

The [Behavior and Mood in Babies, Adolescents, and Mothers \(BAMBAM\) Lab](#) is housed within CBPM and STAR directed by [Dr. Laura Stroud, Ph.D.](#) The BAMBAM Lab conducts research on novel biobehavioral pathways underlying the intergenerational transmission of maternal stress, substance use, trauma, and resilience. The lab recently received [a multi-omics R01](#) focused on the impact of perinatal marijuana use on multi-omics pathways in the placenta impacting offspring neurodevelopment. Our focus is on miRNA, mRNA, DNA methylation profiling as well as genome-wide genotyping of the placenta in relation to richly phenotyped maternal pregnancy, and infant data (including interview, self-report, medical record review, biomarker, and behavioral observation data). The postdoctoral fellow will collaborate on this R01 under the direction of Dr. Stroud, who offers expertise in perinatal cohort studies, stress and substance use biomarkers, novel biobehavioral stress induction paradigms, and recruitment and retention of diverse and minoritized populations. Dr. Stroud also has a long history of career and professional development mentoring for fellows and faculty. The fellowship will also offer opportunities for collaboration with MPIs [Carmen Marsit, Ph.D.](#), and [Todd Everson, Ph.D.](#) at Emory Rollins School of Public Health who offer expertise in statistical and conceptual approaches to 'omics data. The fellow will assist with data processing and analysis and have many opportunities for manuscript and presentation preparation. Opportunities for independent grant submissions are also available. The fellow will also take part in a rich array of training, mentoring and educational opportunities through the BAMBAM Lab, STAR, CBPM, and the [Brown Clinical Psych Fellowship Program](#). The ideal candidate will have experience and interest in epigenomic data and analyses, and excellent writing and interpersonal skills.

TIMELINE

1 - 2 years.
Second year contingent on progress & availability of funding.

Start date between January - September 2024. Earlier dates available.

ACTIVITIES

Data Analysis & Manuscript Prep: Opportunities to analyze phenotypic and multiomics data and prepare manuscripts

Independent Research Activities: Development of manuscripts, conference presentations, and grant proposals.

Didactics: Postdoctoral seminars through the Postdoctoral Fellowship Training Program.

FOR CLINICAL PSYCHOLOGISTS

No requirement for clinical training as part of the position.

However, supervised clinical experience will be available if the fellow's training goals include gaining hours toward licensure

[APPLICATION SUBMISSION DETAILS HERE](#)

[SEND COVER LETTER & CV TO LAURA STROUD, PHD & NICOLE BELANGER, PHD](#)