

**Research Associate**  
Neuroimmunology Lab / Dr. Staci Bilbo  
Department of Psychology and Neuroscience

Dr. Staci Bilbo's Neuroimmunology Lab in the Department of Psychology and Neuroscience at Duke University is seeking an energetic and organized lab manager and scientist as an Associate in Research, to help oversee the overall management of the lab and team.

This is a full time position, eligible for all Duke benefits (<https://hr.duke.edu/benefits>) with an initial appointment term of one year with the possibility of renewal, dependent on performance and funding.

The Bilbo Lab focuses on the study of neuroimmune interactions in brain development and later-life neurodegenerative processes, using pre-clinical models. We collaborate with clinical research groups to translate our findings to human populations. We are particularly interested in the role of immune molecules in both normal and disrupted brain development, based on evidence from human and animal studies that immune system dysfunction or inflammation may be critical in neurodevelopmental disorders, including autism, cognitive and mood disorders, and neurodegeneration much later in life. A particular focus is on the resident immune cells of the brain, microglia, including their development and function in response to early life inflammatory signals.

We use a variety of behavioral, cellular, and molecular techniques; including the use of genetically modified animals and behavioral testing (e.g., social behavior, cognitive testing, & addiction-relevant assays); in vivo surgical techniques; slice culture and in vivo imaging (time lapse confocal); endpoint tissue collection and processing (e.g., flow cytometry, immunohistochemistry, ELISAs, Westerns, qPCR); and image analysis (e.g., light, confocal, and electron microscopy). More information about the research program can be seen here: <http://bilbolab.com>

Specific duties include coordinating day-to-day lab operations, maintaining and ordering lab inventory, ensuring lab compliance with institutional regulations and guidelines, overseeing animal colony maintenance, performing a variety of experimental techniques, collecting data, developing new protocols and organizational tools in the lab, and training new lab members.

**High motivation, commitment, and superb organizational skills are a must, as the position requires simultaneously overseeing several projects.** The position requires a Bachelor's degree (Master's degree is preferred) and basic computer skills (proficient Excel skills are needed and SPSS/statistical software knowledge is a plus). Prior small animal handling experience and basic bench work proficiency are also required. Preference will be given to those with prior related research experiences and/or an interest in lab management and/or future research. The position is to start in early May 2024 (start date negotiable), and a two-year commitment is preferred (with the possibility of contract renewal). This position includes the opportunity to pursue a variety of research opportunities that can result in authorship on academic publications. Salary is competitive and based on education and experience.

Please include with your application: most recent CV/Resume and the names and contact information for at least 2 references.

Interested individuals should apply through Academic Jobs Online. **Only applicants that have applied through Academic Jobs Online will be reviewed.** Applications will be

reviewed on a rolling basis. If you are not able to upload your application materials or if letter writers would prefer to upload their letters directly, please complete your application and email those materials to Meghann Koffi at [meghann.koffi@duke.edu](mailto:meghann.koffi@duke.edu) to be uploaded manually.

Questions about the lab and/or position can be emailed to Mr. Dang Nguyen at [dang.nguyen@duke.edu](mailto:dang.nguyen@duke.edu).

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Duke aspires to create a community built on collaboration, innovation, creativity, and belonging. Our collective success depends on the robust exchange of ideas—an exchange that is best when the rich diversity of our perspectives, backgrounds, and experiences flourishes. To achieve this exchange, it is essential that all members of the community feel secure and welcome, that the contributions of all individuals are respected, and that all voices are heard. All members of our community have a responsibility to uphold these values.

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