

Opportunity # GN000016

MICROGLIA AS A TARGET OF ENVIRONMENTAL AGENTS NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES, RESEARCH TRIANGLE PARK, NC

Position: Post-Doctoral

Deadline: 1 October 2022

State: North Carolina

Country: United States

Institution: National Institute of Health and Environmental Sciences

Description:

A postdoctoral position is open at the National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, North Carolina, in the Mechanistic Toxicology Branch (MTB), Division of Translational Toxicology (DTT). The main goals of this study are to create an in vitro/in vivo method that focuses on the immune and non-immune functions of microglia and how they may affect how the body reacts to pharmaceutical or environmental substances. The project's main focus will be evaluating the various functions of microglia in an in vitro setting before attempting to apply these results to in vivo outcomes. Molecular analysis, high-content live cell imaging, immunohistochemistry, cytof spatial resolution, and microelectrode arrays will all be necessary components of the multi-technique approach.

A Ph.D., DVM, or MD is required of applicants, and they must have earned their degree within five years of the fellowship start date. Postdoctoral scholarships are funded for three years by the DTT postdoctoral training programme. The amount of the stipend varies with experience. Postdoctoral fellows are not categorised as NIH employees; rather, they are regarded as professionals-in-training. There is medical insurance available. You may learn more about NIH post-doctoral fellowships at https://www.training.nih.gov/programs/postdoc irp. The chosen candidate will be expected to start before October 1, 2022, and the position is immediately open.

Requirements:

- Ph.D. or equivalent in neuroscience, toxicology or closely related discipline.
- Experience in in vitro culture of nervous system cell (primary and cell lines).
- Experience in cell imaging techniques is of benefit.
- Knowledge of microglia cell biology is desirable.
- Strong communication and written skills are desired.

Contact Details

Interested candidates should send a single PDF containing a cover letter indicating experience and research interests, CV and the contact information for three references to Dr. Jean Harry (email: harry@niehs.nih.gov) and Dr. Christopher McPherson (email: mcphers1@niehs.nih.gov)

The NIH and HHS are dedicated to building a diverse community in their training and employment programs.

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