Postdoctoral Research Fellow

The SOT Job Bank ID is: 63096213
(https://jobbank.toxicology.org/jobs/?keywords=63096213&pos_flt=0&location=&location_completion=&location_type=&location_text=&location_autocomplete=true)

Description
MICROGLIA AS A TARGET OF ENVIRONMENTAL AGENTS
A postdoctoral position is available in the Mechanistic Toxicology Branch (MTB) in the Division of the National Toxicology Program (DNTP) at the National Institute of Environmental Health Sciences (NIEHS), Research Triangle Park, North Carolina. The overall objectives of this project are to develop an in vitro/in vivo approach focused on immune and non-immune functions of microglia and how they may influence responses to environmental chemicals or pharmacological agents. The project will primarily rely on assessing the multiple roles of microglia within an in vitro framework and then to translate these effects to in vivo outcomes. A multi-technique approach will be required including molecular analysis, high-content live cell imaging, immunohistochemistry, cytof spatial resolution, and microelectrode arrays. A specific pattern of activity will then be examined within an in vivo system to test for in vitro – in vivo translation.

Applicants must have an advanced degree (Ph.D., DVM, MD) and within 5 years of obtaining degree at the start of fellowship. The DNTP postdoctoral training program funds post-doctoral fellowships for three years. Stipends are commensurate to experience. Postdoctoral fellows are considered as professionals-in-training and are not classified as NIH employees. Medical insurance is provided. Details on NIH post-doctoral fellowships can be found at: https://www.training.nih.gov/programs/postdoc_irp. The position is immediately available, the selected applicant is expected to be onboard prior to October 1, 2022.

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.

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