Postdoctoral Scholar, Neurodegeneration
Sanders-Brown Center on Aging
Dr. Linda Van Eldik Lab
Anticipated Start Date: May 1, 2022

What does your lab study and what techniques do you use?
Therapeutic strategies to reduce inflammatory and neurodegenerative responses in a mouse model of comorbid Alzheimer's disease and vascular pathology. Variety of methods, including mouse models, behavior assays, multiphoton vascular imaging, flow cytometry, transcriptional and protein profiling, ELISA, cell culture, IHC, etc.

How will the postdoctoral scholar/fellow contribute to the lab?
Utilize a novel brain-penetrant small molecule as an anti-inflammatory strategy to combat inflammatory-related pathophysiology to determine optimal dosing and timing in the comorbid disease environment. There are also ample opportunities for scientific growth, career enhancement, and development into an independent investigator in academia, industry, or other career paths. Although the project is currently funded by NIH, an integral part of postdoctoral training is the process of preparing a research proposal and writing a fellowship application, so postdocs are encouraged to apply for external funding when possible. Postdocs will also be eligible for applying to our Center's T32 training program, which focuses on diseases of the aging brain.

What skills/experience should a successful applicant have?
PhD or MD/PhD in an area relevant to pharmacology or neuroscience. Must have excellent interpersonal, organizational, verbal and written communication skills, a solid publication record, and appropriate experience. Preference will be given to individuals with experience in one of the following areas: inducible conditional knockout mouse models, mouse neuropathology and behavior, primary glia/neuron cell culture, gene expression profiling, pharmacological modulation of glia signaling pathways. Prior experience in AD, TBI, or related neurological disease research is also desirable.

Interested applicants can send a short paragraph describing research interests and a CV by email to:
Linda.vaneldik@uky.edu