

Postdoctoral Research Scientist Position Available at the University of California, Davis

Preclinical Studies of Traffic-Related Air Pollution as a Risk Factor for Alzheimer's Disease

Location: University of California School of Veterinary Medicine, Davis, CA, USA

Start Date: Negotiable but September 1, 2021 is preferred

Compensation: Commensurate with NIH postdoc salary scale with excellent benefits package

Principal Investigator: Pamela Lein, PhD, Professor of Neurotoxicology, Department of Molecular Biosciences

Summary description: The laboratory of Dr. Pamela Lein (<https://leinlab.vetmed.ucdavis.edu/>) is seeking a Postdoctoral Research Scientist with research experience in neurotoxicology and/or neurodegenerative disease to work on a 5-year project recently funded by the National Institute of Aging. The successful candidate will conduct research investigating the effects of traffic-related air pollution on the expression of Alzheimer's disease phenotypes in a rat model of Alzheimer's disease as a follow-up to studies recently published in *Environmental Health Perspectives* (<https://ehp.niehs.nih.gov/doi/10.1289/EHP8905>). The candidate will participate in the design, conduct, and analysis of cutting edge experiments that leverage a unique exposure facility to identify specific components of traffic-related air pollution (TRAP) that promote AD phenotypes in this rat model, and to test a novel hypothesis regarding the role of the lung-brain axis in mediating TRAP effects on the expression and progression of AD phenotypes.

Candidate qualification: PhD (or MD/DVM with substantial bench research experience) in neuroscience, neuropathology, toxicology, environmental health sciences, or related field. Experience in handling rodents required; experience in immunohistochemistry and/or neurobehavior preferred.

Environment: The candidate will work in the laboratory of Dr. Pamela Lein and interact with investigators in the UC Davis Air Quality Research Center (<https://airquality.ucdavis.edu/>), UC Davis Alzheimer's Disease Research Center (<http://alzheimer.ucdavis.edu>) and UC Davis Center for Health and the Environment (<https://che.ucdavis.edu>).

EEO Statement: The University of California, Davis is an Equal Opportunity Employer.

To apply: Please send the following to Dr. Lein by email (pjlein@ucdavis.edu): (1) Curriculum vitae; (2) Cover letter describing research and career interests and qualifications for the position; and (3) List of references with contact information.