ANNOUNCEMENT

Job Title: Postdoctoral Scientist (Pulmonary Biology or Neurotoxicology)

Employer: Indiana University School of Medicine (IUSM), Indianapolis
Location: NIOSH/CDC, Morgantown, WV
Work Schedule: Full-Time
Appointment Duration: Up to 5 years, with yearly renewals
Salary: $66, 214.00

Position:

This is a full-time position offered by The Department of Pharmacology and Toxicology at the IUSM and the Stark Research Institute. The position is located in West Virginia, where the selected candidate will be a guest researcher at NIOSH/CDC and employed by IUSM. The research is funded through the National Institute on Aging/National Institutes of Health and is a collaboration between National Institute for Occupational Safety and Health (NIOSH) and IUSM. The fellowship appointment will be for up to five years and salary will be based on comparison with GS 11levels, but with full Indiana University faculty benefits.

Job Description:

This unique position will help drive a multidisciplinary collaboration between Dr. Michelle L. Block (IUSM: neurotoxicology and neuroimmunology) and Dr. Tara Croston (NIOSH/CDC: pulmonary immunology and fungal exposures) focused on understanding how inhaled *Aspergillus versicolor* affects the brain and impacts Alzheimer's disease.

This multidisciplinary research team is focused on identifying the mechanisms underlying the neurological responses to occupationally-relevant fungal exposures. The project would specifically focus on the role of *Aspergillus versicolor* exposure on Alzheimer's disease-like neuropathology, as well as on neurological and pulmonary immunological responses.

Duties:

The researcher will be responsible for the following:

- Manage, conduct, and coordinate research with the IUSM lab on neurological and pulmonary immunological effects of fungal exposure using *in vivo* models
- Handle all aspects of animal studies including animal handling, fungal test article cultivation, exposures, collection, and data acquisition and analysis
- Utilize bioinformatic and analytical approaches to characterize biological pathways and identify novel biomarkers associated with fungal exposure
- Write reports and proposals, train students, work efficiently with other lab members and collaborators, present findings at local and international meetings, and publish research findings in peer-reviewed journals
- Attend monthly collaborative zoom meetings discussing and planning the Th2 Lung-Brain Axis Consortium research
- Contribute to grant application preparation, where training/mentoring/active collaboration for these responsibilities is designed to advance scientific and career growth

Basic Qualifications:

Degree Experience Compensation: This position requires a Ph.D. degree with a major study in an academic field relate to biological sciences, immunology, chemistry, or related disciplines appropriate to the work of the position. This degree must be from an educational program from an accrediting body recognized by the U.S. Department of Education at the time the degree was obtained.

Foreign Education: If you are using education completed in foreign colleges or universities to meet the qualification requirements, you must show that the education credentials have been evaluated by a private organization that specializes in interpretation of foreign education programs and such education has been deemed equivalent to that gained in an accredited U.S. education program; or full credit has been given for the courses at a U.S. accredited college or university.

Highly qualified candidates would possess the following:

- Ph.D. (or candidate) in neuroscience, immunology, or related discipline
- Strong statistical and analytical background
- *In vivo* research experience: beneficial skills include pulmonary exposure models, bronchoalveolar lavage, tissue collection, histology, mass spectroscopy, flow cytometry, immunological assays, microscopy techniques, RNA isolation, microarray/gene expression
- Ability to function in a team environment or work independently, collaborate with team members and external researchers, communicate proficiently in writing and orally, and utilize Microsoft Office, Word, Excel, and PowerPoint
- A strong publication record.

How to Apply:

Interested applicants should submit a cover letter explaining relevant work experience and education, your curriculum vitae, a brief statement of your research interests, and contact information of three references to:

Dr. Michelle Block (michelle.block@microgliaresearch.org), Stark Professor of Pharmacology/Principal Investigator, Indiana University School of Medicine. Website: https://microgliaresearch.org/