Position Type: Postdoctoral Position at the NIH

Position Title: Follow-up of human genome wide association study findings for pulmonary function using mouse models

Position Description:
A postdoctoral position is available in the Inflammation, Immunity and Disease Laboratory; Genetic Epidemiology Group (S.J. London Laboratory) of the National Institute of Environmental Health Sciences (NIEHS/NIH), Research Triangle Park, North Carolina. The laboratory focuses on the follow-up of novel hits from genome wide association studies (GWAS) of pulmonary function and related phenotypes. GWAS has been very successful in identifying novel genes associated with pulmonary function, and many other phenotypes, but identifying the responsible genes and specific variants is not straightforward. We have focused on several genes we identified in early human GWAS of pulmonary function that have been widely replicated. We will expand to additional genes. The applicant would characterize pulmonary function, pulmonary inflammation, and response to various challenges in genetically modified mouse models. We are seeking a postdoctoral scientist with a strong track record in molecular biology and mouse models, who is also interested in human genetics and identifying the causal signals underlying genome wide association study findings. Strong background in molecular biology and prior work with mouse models is required.

The S. London group is in the Inflammation, Immunity and Disease Laboratory (IIDL) in the Division of Intramural Research, with investigators renowned for their contributions towards understanding the mechanisms of inflammation in the respiratory system and other systems. The trainee would be co-mentored by D. Zeldin, the NIEHS Scientific Director and an experienced laboratory investigator within the IIDL. Dr. London is also an investigator in the Epidemiology Branch in the Division of Intramural Research and group meetings are joint between trainees in both programs. The position is ideal for someone with a strong laboratory background who also has an interest in epidemiology or genomic epidemiology and would like to expand skills and expertise in those areas.

Applicants must possess a doctoral level degree. Strong background in molecular biology and experience working with mouse models is required. While candidates with less than five years of relevant postdoctoral research experience are eligible, recent graduates are encouraged to apply.

For additional information please see the following webpages:
https://www.niehs.nih.gov/research/atniehs/labs/iidl/pi/gen-epi/index.cfm and
https://www.niehs.nih.gov/research/atniehs/labs/epi/pi/genetics/index.cfm

To apply:
Please email CV and names, plus contact information, of 3 references to:

Stephanie J. London, M.D., Dr.P.H.
london2@niehs.nih.gov

Employer Name: National Institute of Environmental Health Sciences. The exceptional training environment is coupled to the strong NIEHS/NIH infrastructure, and offers a highly supportive and interactive scientific environment with many diverse areas of expertise.

Position Location: Research Triangle Park, North Carolina. NIEHS is located in an attractive part of North Carolina that is central to prominent research institutions, with excellent recreational and cultural opportunities and a moderate cost of living.

Application Deadline Date: Open until filled

The NIH is dedicated to building a diverse community in its training and employment programs.