Posting Information

**Position Title:** Post-doctoral Research Associate

**Vacancy ID:** PDS002251

**Department:** Peds-Pulmonology - 412014

**Position Type:** Postdoctoral Scholar

Posting Details

**Salary Range**

**Full-time/Part-time:** Full Time

**If part-time, hours per week:**

**FTE:** 1.0

**Proposed Start Date**

**Estimated Duration of Appointment:** 12 Months

**Posting Open Date:** 12/18/2018

**Posting Close Date:**

**Open Until Filled:** Yes

**Work Location:** Chapel Hill, NC

**Position Summary**

An expanding laboratory in the Division of Pulmonaryology in the Department of Pediatrics, affiliated with the UNC Children’s Research Institute and the Marsico Lung Institute, seeks a Post-doctoral Research Associate to participate in a rapidly developing research program in lung and airway cellular phenotype regulation. Established and emerging single cell assays will be applied to human lung and airway tissues to determine regulatory paradigms driving cell fate and disease pathogenesis. The Research Associate should have an interest in and research experience cellular and molecular biology, epigenetics, and bioinformatics. In addition to bench research, the post-doctoral fellow will be actively involved with data analysis, writing scientific papers and grant proposals, and presenting data at scientific meetings.

Candidates applying should be proficient in the operations of human and animal research laboratories, including but not limited to the following functions: lab animal husbandry/mouse model work, gel electrophoresis, tissue culture, immunoprecipitation, cDNA synthesis, western blot, bacterial cloning, microscopy, multiparameter flow cytometry, RNA isolation, RT-PCR, RNA sequencing on Illumina or Affymetrix platforms, and human clinical research studies. Candidates should also have strong communication and analytical skills.

**Educational Requirements**

Applicants should possess a recent PhD in molecular biology or molecular genetics.
Qualifications and Experience

Hands-on experience with high throughput assays to analyze DNA methylation and/or histone modifications would be a significant asset. Computational skills, including experience with bioinformatic tools and packages, are also preferred. Candidates applying should be proficient in the operations of human and animal research laboratories, including but not limited to the following functions: lab animal husbandry/mouse model work, gel electrophoresis, tissue culture, immunoprecipitation, cDNA synthesis, western blot, bacterial cloning, microscopy, multiparameter flow cytometry, RNA isolation, RT-PCR, RNA sequencing on Illumina or Affymetrix platforms, and human clinical research studies.

Candidates should also demonstrate ability to work well within a team environment as well as independently. Successful candidates will have very strong communication and analytical skills.

Equal Opportunity Employer

The University of North Carolina at Chapel Hill is an equal opportunity, affirmative action employer and welcomes all to apply regardless of race, color, gender, national origin, age, religion, genetic information, sexual orientation, gender identity or gender expression. We also encourage protected veterans and individuals with disabilities to apply.

For information on UNC Postdoctoral Benefits and Services click here

Special Instructions

This postdoctoral research associate position is proposed for a thirty-six month duration.

Quick Link

http://unc.peopleadmin.com/postings/152998