

Postdoctoral Position at Cincinnati Children's Hospital Medical Center

The Mersha Lab has an opening for a Research Fellow who will be involved in a combined computational and applied genetics project, focused on the development and implementation of ancestry (admixture) based detection and characterization of genetic and environmental exposure risk factors in asthma. The successful applicant will be part of the Population Genetics, Ancestry, and Bioinformatics (pGAB) Laboratory led by Dr. Mersha that applies computational and statistical analysis to interpret genomics data generated from subjects with asthma and asthma-related allergic diseases.

Responsibilities:

- Analyze genome wide array data.
- Develop and implement statistical methods to analyze genomics data. Projects may include genetic pathways/networks and public functional annotation data mining.
- Maintain large datasets linked to clinical data.
- Communicate progress with PI regularly and contribute to the success of the research team.
- Publish and present research findings in academic journals and conferences.

Requirements:

- Advanced Degree in Statistics, Biostatistics, computational biology, statistical genetics, genetic epidemiology, or a related field.
- Experience and/or interest in population genetics analysis of admixed population or data simulation and imputation.
- Outstanding programming skills in R, Perl, Python, Java, C++, and Unix shell scripting.
- Excellent track record/interest to analyze genetic data. Experience with clinical cohorts a plus.
- Ability to work hard and independently while contributing to the team effort and adhering to deadlines.
- Excellent oral and written communication skills with track record of productive collaborations.
- Demonstrated ability to work concurrently on several projects, and good understanding of analytic complexities to do independent research as well as assist other researchers.

To apply for the position, please contact Tes Mersha, PhD – [Tefaye.Mersha@cchmc.org](mailto:Tesfaye.Mersha@cchmc.org).

Website: <https://research.cchmc.org/mershalab/Home.html>