DESIRED APPLICANTS

The Giri Lab is seeking a postdoctoral fellow intent on an interdisciplinary career in academic research. Our team spans epidemiology, biostatistics, genetics, biomedical informatics, and is interested in understanding how modifiable and non-modifiable risk factors contribute to health outcomes, especially in those conditions where racial and ethnic disparities in health outcomes are observed.

Current position is funded by grants aiming to study causal factors involved in pregnancy complications. The ideal applicant for this job will bring quantitative insights, data analysis skills, and creative energy to advancing research aimed at understanding causal mechanisms and etiology of pregnancy related outcomes including gestational diabetes, gestational hypertension, and preeclampsia. Experience with methods related to genetic epidemiology, analysis of large-scale genetic data, admixture mapping, and causal inference methods such as mendelian randomization, and mediation analyses with related publications will be prioritized for interviews.

FOCUS OF RESEARCH

A significant portion of the research conducted in our group focuses on understanding etiology and mechanisms (genetic, biologic or socially-mediated) involved in conditions unique to pregnancy such as gestational diabetes, gestational hypertension, and preeclampsia. These investigations often involve combining large-scale data from electronic health records and linked biorepositories available at VUMC alongside data from collaborators and contributors from across the world to provide input for agnostic (genome-wide scans) and for hypothesis-driven investigations into disease etiology. We have expertise in racial disparity research, admixture mapping, gene-by-environment interaction, pharmacoepidemiology, pharmacogenetics. The team also has content expertise on genetics and clinical aspects of metabolic, vascular, and renal conditions including diabetes, hypertensive disorders, and kidney disorders. A key focus of the research is to understand similarities and differences in etiologies behind metabolic, renal, and hypertensive conditions by studying pregnant and non-pregnant manifestations of these disorders. As a result, the team actively collaborates with projects, programs and groups across multiple medical disciples including obstetrics and gynecology, nephrology and hypertension, and endocrinology.

This postdoctoral fellow will have multiple opportunities to lead projects and to participate in large-scale collaborative studies. The postdoctoral fellow may be eligible to apply for training grants available at VUMC.

The projected start date is flexible with intent to have the position filled by Spring 2022.

QUALIFICATIONS:

· PhD in Epidemiology, Human Genetics, Statistics, or related disciplines

· Proficiency with statistical software and programming languages (e.g. Stata, and R)

· Familiarity with working in the linux/unix environment and scripting (highly desirable)

· Background in or desire to learn about metabolic/vascular/renal conditions during or outside of pregnancy

· Ability and desire to learn new techniques and implement new software tools

· Record of authorship of peer-reviewed publications is required; experience with grant development is desirable

· Strong initiative, multitasking ability, and desire to lead projects

Application details:

Contact: Interested applicants should send a curriculum vitae with the contact information of three references by email to Ayush.Giri@vumc.org and please carbon copy Catherine Gascoigne c.gascoigne@vumc.org.

Recruitment is on a rolling basis until all positions are filled, with a projected start in Spring 2022. We evaluate every applicant equally. Successful candidates will hear back regarding an interview. Vanderbilt is an equal opportunity employer. Women and historically underrepresented minorities are encouraged to apply.