



The Leslie Lab (theleslielab.org) in the Department of Human Genetics at Emory University School of Medicine, in Atlanta, Georgia, is recruiting multiple positions. Our lab is focused on identifying genetic risk factors for human structural birth defects.

Research Scientist: This position is to work on and help initiate research studies on the genetic basis of cleft lip and palate and other craniofacial disorders. The successful applicant may fulfill roles including: study design, data analysis of genomic and/or phenotypic data, study coordination, maintaining regulatory documentation (MTAs, etc.); training of students and trainees, management of data and compliance with public repositories, writing of manuscripts and grants. Previous experience with exome or genome sequencing, GWAS, or other genetic analyses, coding experience in R or python and command-line or AWS interfaces, and software tools for genetic analyses (e.g. PLINK) are preferred. The successful candidate will have strong scientific writing ability and oral communication skills and be able to work independently and with trainees. Qualifications: PhD in Genetics, Biomedical Sciences, Biological Sciences, or related field or a Master's degree with experience. Prior experience working in a research environment with human genetic research is highly desirable.

Bioinformatics Analyst: This position is for an analyst who will work with whole genome sequence, RNA-sequencing, and genomic datasets to study structural birth defects. The individual in this position will be responsible for managing and analyzing these data to answer specific research questions in conjunction with study investigators. Activities include: managing genomic and phenotypic datasets, preparing documentation, scripts, and tools, preparing genomic-specific variables, depositing data and documentation in databases, merging data and manipulating files, troubleshooting data issues, visualizing results, and communicating results with the PI and collaborators. Qualifications: A Master's degree in bioinformatics, biology, statistics, biostatistics, computer science, public health, or a related field. The candidate should have demonstrable experience genomic data. Proficiency in using R/Bioconductor, Plink, Linux command line, computational clusters or cloud environments is desirable. Excellent data management, programming, and communication skills are required.

Biostatistician: This position is for an analyst who will work with whole genome sequence and phenotypic data on craniofacial anomalies. The individual in this position will be responsible for managing and analyzing these data to answer specific research questions in conjunction with study investigators. Activities include: managing genomic and phenotypic datasets, preparing documentation, scripts, and tools, preparing genomic-specific variables, depositing data and documentation in databases, merging data and manipulating files, troubleshooting data issues, visualizing results, and communicating results with the PI and collaborators. Qualifications: A bachelor's degree in statistics, biostatistics, computer science, public health, or a related field and two years of experience or an equivalent combination of education, training, or experience.

The candidate should have demonstrable experience genetic/genomic data. Proficiency in using R/Bioconductor, Plink, Linux command line, computational clusters or cloud environments is desirable. Excellent data management, programming, and communication skills are required.

Research Administrative Coordinator: The research coordinator will recruit, screen, and interview participants for the Genetics of Orofacial Cleft Project. This involves interviews conducted in multiple clinics at Emory Healthcare and Children's Hospital of Atlanta and remote recruitment through online RedCap surveys. Job responsibilities include: designing surveys and study documents, collection of data, data entry and data cleaning, compiling data for grant reports and presentations, assist with IRB protocols. Attention to detail, excellent interpersonal skills, and verbal and written communication skills are essential for this position. Qualifications: Bachelor's degree in a life science or public health discipline and previous research experience with human subjects recruitment, clinical research, or data management.

Lead Research Specialist or Research Specialist- Lab: The ideal candidate for this position will have hands-on laboratory research experience and a working knowledge of molecular biology techniques (e.g. PCR, DNA extraction, sequencing). This research specialist will help execute research projects in the lab and further develop the research program, which focuses on the genetics of craniofacial anomalies. This will involve managing laboratory experiments including DNA extractions, PCR, and next-gen and Sanger sequencing, preparing and maintaining a large collection of DNA samples, managing the LIMS database that tracks the sample inventory and data, analyzing Sanger and next-gen sequence data, handling equipment installation and repairs, and coordinating research activities with collaborating groups. Duties may include collecting tissue specimen from participants for DNA and RNA extraction, RNA-sequencing, and analysis. Qualifications: Bachelor's degree in a life science field and previous research experience with human specimens and/or DNA extraction, PCR, sequencing.

Research Specialist- Computational: Two positions available for analysts who will work with whole genome sequence, RNA-sequencing, and genomic datasets to study structural birth defects. The individual in this position will be responsible for analyzing these data to answer specific research questions in conjunction with study investigators, postdocs, or graduate students in the lab. Activities include: merging data and manipulating files, troubleshooting, visualizing results. Qualifications: Bachelor's degree in a life science field and previous research experience with genomic data. Prior experience using R/Bioconductor, Plink, Linux command line, computational clusters or cloud environments is desirable.

Interested applicants should send a cover letter (including a brief statement of research skills, experience, and future goals), resume, and contact information for three references to ejlesli@emory.edu.