



The Leslie Lab in the Department of Human Genetics at Emory University School of Medicine, in Atlanta, Georgia, is recruiting self-motivated, creative, and enthusiastic postdoctoral fellows to join our team. Our lab is focused on understanding the etiology of structural birth defects, including orofacial clefts and heart defects in Down Syndrome. We use genetic association methods, and whole exome/genome sequencing to identify novel genetic risk factors and to understand fundamental questions of phenotypic heterogeneity, penetrance, and variable expressivity.

Multiple postdoctoral positions are available and are funded by several NIH grants. The available projects address different aspects of the genetic architecture of these birth defects including gene discovery in Mendelian syndromes with unknown etiology, analysis of de novo and rare coding and noncoding variants, and identifying genetic modifier variants that predispose for specific phenotypes. See the Leslie Lab website ([theleslielab.org](http://theleslielab.org)) and recent published work for more information about our group and our research.

The Leslie Lab is part of the Center for Computational and Quantitative Genetics, made up of investigators with diverse research interests including methods development, population genetics, epigenetics, and human genetics. The successful candidate will have numerous opportunities to collaborate with these groups and develop additional projects.

#### **Qualifications:**

- 1. Ph.D. in genetics, genomics, genetic epidemiology, or a related field**
- 2. Experience with next generation sequence data or genetic association studies**
- 3. Coding experience in R or Python preferred**
- 4. Experience with command-line cluster or AWS interfaces**
- 5. Visualization of genomic data including IGV or UCSC Genome browser**
- 6. Strong scientific writing ability and oral communication skills**

#### **Application Materials:**

- 1. Cover Letter (detailing previous research experience and interests)**
- 2. Curriculum Vitae**
- 3. Names and contact information for 3 references**

**To apply, please send a single PDF containing a cover letter, CV, and three references to [ejlesli@emory.edu](mailto:ejlesli@emory.edu).**