The Biostatistics and Bioinformatics Shared Resource (BBISR) of Emory University's Winship Cancer Institute seek a highly motivated Senior Bioinformatics Analyst to join our team. The BBISR provides research project support to Winship investigators using next generation sequencing (NGS) and other cutting edge genomics technologies for cancer-related basic science and clinical trials. The ideal candidate should have excellent programming skills and enjoy working in a busy, highly productive, team-oriented environment. Candidates should have a demonstrated ability to solve complex problems and be able to work on multiple projects simultaneously.

Key responsibilities:
- Design and development of NGS analysis pipelines
- Design and development of array-based analysis pipelines
- Data acquisition, analysis and visualization
- Custom tool development for analysis of NGS data
- Testing and validation of new software tools
- Maintaining detailed documentation of all projects
- Compiling project reports for investigators
- Assist in grant, abstract and manuscript preparation

As Georgia’s first and only National Cancer Institute Designated Cancer Center, Winship coordinates a vast array of resources for clinical and basic science cancer research. Winship is a partner in the Georgia Cancer Coalition, an innovative public/private initiative bringing together Georgia’s leading hospitals, universities, biotech firms, civic groups, non-profit and government agencies to treat, prevent and save lives from cancer. This partnership extends the benefits of NCI Cancer Center Designation through initiatives such as the Georgia Center for Oncology Research and Education. Emory was named among the top 50 cancer centers in the United States by U.S. News and World Report and received the Blue Cross Blue Shield Designation for Treatment of Rare and Complex Cancers.

Winship Biostatistics and Bioinformatics core has 5 full time doctoral members and 4 master level members. In addition to Winship investigators, core members often collaborate with the Emory Integrated Genomics and the Emory Integrated Computing Core members, in addition to faculty and staff in the School of Medicine Departments of Human Genetics and Biomedical Informatics, and the Rollins School of Public Health Department of Biostatistics and Bioinformatics.

Minimum Qualifications. A master's degree in bioinformatics, computational biology or a related field. Three plus years experience in the programming languages Perl, Bash and the statistical package, R. Three plus years of bioinformatics analysis experience. Excellent oral and written communication skills.

Preferred Qualifications.
- A PhD degree and/or postdoctoral training in bioinformatics, computational biology or a related field.
- Knowledge of cancer biology, human genetics and genomics.
- Experience in high throughput computing.
- Two plus years of experience with common bioinformatics methods to perform data QA/QC, processing, normalization, alignment, differential gene expression analysis, variant calling, fusion detection, copy number variation analysis, microarray-based gene expression analysis, DNA methylation analysis, network/pathway analysis, and drug target interactions.
- Experience with other scripting languages including Python, JavaScript and C/C++.
- Experience with MySQL or Oracle databases and PHP.

Application Procedure. Applicants should apply online to Req ID 57813BR at www.emory.edu. Applications will be considered until the position is filled. Salary and rank commensurate with experience.

Consideration of applications will begin immediately, and applications will be considered until the position is filled. The Winship of Emory University is an equal opportunity/affirmative action employer. The Winship has a culturally diverse faculty and staff, and strongly encourages applications from women and minority candidates.