Postdoctoral Associate – Biostatistics

Duke University is seeking several successful postdoctoral associates in the Department of Biostatistics and Bioinformatics (www.biostat.duke.edu). Duke University is regularly ranked among the top research institutions in the US and worldwide. It is located in Durham, North Carolina.

**Position Description:** The objectives of these projects are: to identify and validate surrogate endpoints of overall survival using data from cancer clinical trials in men using a meta-analytic approach; to identify and validate predictive biomarkers of clinical outcomes in cancer; update prognostic model of overall survival by integrating, clinical molecular and GWAS data; and study relationship of high dimensional molecular data (RNA, DNA and GWAS data) and clinical outcomes. These projects will lead to both collaborative and methodological publications in high-quality, peer-reviewed journals. The selected candidates will have the opportunity to learn new statistical methods and applying new skills to the projects, testing for surrogacy, building prognostic models, validating models, developing methodology and co-authoring manuscripts. Other opportunities include gaining experience with writing manuscripts.

**Qualifications:** Candidates must have the following: a doctoral degree in statistics or biostatistics and solid training in statistical methods. Demonstrated evidence of excellent programming, collaboration, and communication skills are required. Applicants should have excellent communication skills (verbal and written), strong programming skills in R with proficiency in UNIX/Linux system For one of the positions, experience in Bayesian hierarchical modeling and mixed-effects model is required for the meta-analysis project. For some of the positions, knowledge of longitudinal and survival analysis, machine learning, bioinformatics methods in -omics data and experience in analyzing cancer clinical trials are preferred.


**Application Deadline:** If interested in any of these positions, please apply online on the Duke HR website using the following link:

https://career4.successfactors.com/sfcareer/jobreqcareer?jobId=3575&companyId=dukeuniverP1&username=

Consideration of applications will begin immediately, and will continue until the positions are filled. Interviews will be conducted until the position is filled and appointment will be made for a two-year contract. Interviews will be also conducted during the JSM Annual Meeting in Denver, CO from July 27-30, 2019.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual's age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status. Duke also makes good faith efforts to recruit, hire, and promote qualified women, minorities, individuals with disabilities, and veterans.