Medical University of South Carolina, Department of Public Health Sciences: Two Postdoctoral Researcher Positions in Biostatistics/Bioinformatics

The research group led by Dr. Dongjun Chung in the Department of Public Health Sciences at the Medical University of South Carolina (Charleston, SC) invites applications for two postdoctoral researchers in Biostatistics/Bioinformatics. These positions will provide exciting research opportunities to develop novel statistical methods to solve cutting edge problems in statistical genetics and cancer genomics. The postdoctoral researchers will work with the established interdisciplinary research team consisting of statisticians, bioinformaticians, and laboratory and clinical scientists.

Duties and Responsibilities: The primary focus of the first position will be to develop statistical methods to investigate pleiotropic architecture and to improve statistical power in identification of risk genetic variants, by integrating genome-wide association studies (GWAS) data for multiple phenotypes with various types of genomic annotation and biomedical literature text mining data. The primary focus of the second position will be to develop statistical methods to identify novel cancer subtypes, by integrating multiple types of cancer genomics data with various pathway and biomedical literature text mining data. Additional opportunities may be available to conduct analysis and modeling of GWAS, cancer genomics, genomic annotation, pathway, and biomedical literature text mining data. More information about these positions can be found in the following research group webpage: sites.google.com/site/statdchung

Qualifications:

- PhD in statistics, biostatistics, or related field.
- Interest in statistical genetics, cancer genomics, or bioinformatics.
- The ideal candidate is expected to have experience in developing and implementing Bayesian models to solve bioinformatics problems. Previous experience working with genetic or genomic datasets will be a plus but not required.

Salary Range: These positions are full-time two-year appointments with salary of $65,000 / year.

Application Information: To apply, please submit (1) a cover letter describing research interests and experience, (2) curriculum vitae, and (3) the names and contact information of three references to chungd@musc.edu with the subject line "[POSTDOC]". Informal enquiries about these positions are welcome and can be made to chung@musc.edu.

Application Deadline: Review of applications will begin immediately, until the positions are filled.