Postdoctoral Position in the Department of Biostatistics

at MD Anderson Cancer Center

Area: Computational statistics with applications in integrative Big Data; Biomarker-adaptive clinical trial designs

Duties and responsibilities: The postdoctoral fellow will work under the supervision of Dr Kim-Anh Do and may collaborate with other faculty in biostatistics, computer science, bioinformatics, basic science, or clinical research. The primary research focus can encompass: (i) developing and applying novel statistical and computational methods for the analysis of omics data from various sources such as high-throughput proteomic, genomic, sequencing, transcriptomic, and imaging data, with particular emphasis on developing integrative and flexible models that incorporate both biological knowledge and empirical structures; (ii) Assess the current development of biomarker-guided design for precision medicine and develop more efficient designs where applicable.   The fellow will gain experience in cutting-edge analysis of "big data" and have the opportunity to publish in high-impact statistics, biostatistics, and health research journals.

Position qualifications: We seek a highly motivated individual with a Ph.D. in statistics/biostatistics/bioinformatics or a related quantitative field such as computer science, engineering, or quantitative computational biology. Applicants must have strong training in statistics and excellent programming skills, in particular R/Matlab/Python and preferably one lower level computer language such as C or Fortran, and interest in the application of state-of-the-art statistical methods to complex data. Interest or background in computer-intensive methodology, bioinformatics, genomics, and proteomics is a plus. Expertise or skills in any of the following areas are desirable: analysis of high-dimensional data, data mining, and machine learning.

Application: Interested applicants should send a cover letter and CV (including three references) to: kimdo@mdanderson.org   and   pcunnigham@mdanderson.org   (subject line: Do-postdoc-2018)

Application deadline: Consideration of applications will begin immediately and continue until the position is filled.

Salary: $65,000 USD/year + **Benefits** (MD Anderson Postdoctoral Research Programs)

It is the policy of The University of Texas MD Anderson Cancer Center to provide equal employment opportunity without regard to race, color, religion, age, national origin, sex, sexual orientation, gender identity/expression, disability, veteran status, genetic information or any other basis protected by MD Anderson policy or by federal, state or local laws, unless such distinction is required by law. All positions at MD Anderson Cancer Center are security sensitive and subject to examination of criminal history record information. MD Anderson Cancer Center provides a smoke-free and drug-free environment.