The University of Kansas Medical Center  
Department of Biostatistics & Data Science  
Position Description

Position Title:  
Tenure Track Assistant/Associate Professor

Position Summary:  
The Department of Biostatistics & Data Science at the University of Kansas Medical Center is recruiting a tenure track faculty member, working in the area of biomedical informatics, to join a vibrant group of faculty, staff, and students who will collaborate across the medical center and within the department. The Department is already leading a number of initiatives in biomedical informatics to support medical research, such as the Curated Cancer Clinical Outcomes Database (a cancer research facilitator and recruitment tool, PMID: 31798300), OPTIK (a tool for understanding the characteristics of a cancer center catchment area, PMID: 32719846), updating the informatics infrastructure for the nationally designated Alzheimer’s Disease Center, as well as funded projects related to plastic surgery, the genetics of neurological disorders, and others; we are now looking to expand our pool of faculty in this area. The recruitment is at the assistant or associate professor level and will be based upon the candidate’s experience and accomplishments. This opportunity will allow a faculty member to utilize their existing skill sets to enhance the department efforts, along with learning and growing from the knowledge gained through collaborative and independent research, teaching, and mentoring. The department consists of 20 Ph.D. statisticians, 3 teaching associates and 23 staff members that include masters level statisticians, informaticians, information systems personnel, and administrative personnel. Expertise within the department includes linear, nonlinear, and longitudinal modeling, clinical trial and experimental design, survival analysis, categorical data analysis, statistical omics, bioinformatics, data integration, machine learning, and Bayesian methodology.

Required Qualifications:

- PhD in Biomedical Informatics, Computer Science, Biostatistics, Statistics, Data Science, or related fields.
- Formal training in statistics.
- Able to effectively communicate with faculty, staff, students, and researchers from diverse academic backgrounds and fields.
- Excellent written and verbal communication skills.
- Research in the area of biomedical informatics.
- Deep understanding of EHR systems and optimizing them for clinical/medical research.
- Interdisciplinary scholarship experience and a commitment to translating research into practice.

Preferred Qualifications:

- Teaching experience in informatics, statistics, or data science.
- Experience with the Epic EHR.
- Research interests in working with large datasets and complex relational data models.
- Experience with clinical decision support.
• Experience with innovative study designs and inclusion of complex data (e.g. EHR data, wearables devices, mobile health).

**Responsibilities:**
• Teach data science and/or biostatistics courses for graduate students in biostatistics, applied statistics, analytics, data science, and other disciplines.
• Conduct research on novel informatics methodologies and biomedical applications using electronic health records and real-world data resources.
• Other duties as assigned by department chair.

To Apply: