

## Department of Biostatistics and Data Science

### Open Rank Faculty Search

Committed to collaborative, inter-disciplinary research, the [Department of Biostatistics and Data Science \(BDS\)](#) in the [Division of Public Health Sciences \(PHS\)](#) at [Wake Forest University School of Medicine \(WFUSM\)](#) invites applications for open rank faculty positions. The initial appointment would be tenure-track or tenured and can be based in Winston-Salem or Charlotte, North Carolina. The department is dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to working in a multicultural and diverse environment. We encourage candidates who will contribute to such diversity. EOE/AA. Ideal candidates will have the following qualifications:

- PhD in biostatistics, statistics, computer science, informatics, data science, or a related field.
- All outstanding applicants are encouraged to apply. These positions are not targeted towards specific methodologic or scientific expertise, though areas of interest include
  - Analysis of administrative (electronic health record, claims, etc.) and observational data, inclusive of methods focused on causal inference
  - Clinical trial design, coordination, and analysis.
  - Pragmatic study designs (cluster-randomized, stepped-wedge, SMART designs, etc.)
  - Analysis of dense data streams such as actigraphy, smartwatch measurements, or other forms of remote patient monitoring
  - Analysis of emerging omics areas (e.g., metabolomics, proteomics, genomics)
  - Artificial intelligence and machine learning applied to biomedical data
- Experience collaborating with medical and public health professionals in a multidisciplinary setting.
- Excellent written and oral communication skills.

BDS is a vibrant academic unit comprised of 25 faculty members and almost 90 staff including biostatisticians, data scientists, programmers, project managers, and administrative staff. This group has demonstrated long-standing growth in extramural funding, with over \$13 million in external funding in fiscal year 2021. The Department resides within PHS which also includes the Departments of Epidemiology and Prevention, Social Sciences and Health Policy, and Implementation Science. Together, PHS is the largest research group at WFUSM with approximately 75 faculty members and 240 staff.

Wake Forest University School of Medicine (WFUSM) serves as the academic core of Advocate Health and is among the top 50 research institutions in the United States. Advocate Health (AH) is a large, integrated healthcare delivery system that serves nearly 6 million patients annually and is the fifth largest nonprofit health system in the nation. The health organization is comprised of more than 1,000 care sites and 67 hospitals across 6 states spanning the Southeastern and Midwestern portions of the United States. The expertise, size, and scope of our highly integrated enterprise positions us to be uniquely poised to identify mechanisms of disease, and address barriers and challenges associated with the translation of research into effective strategies for the prevention and treatment of disease.

WFUSM is home to nationally and internationally recognized research in Alzheimer's Disease, Aging and Mobility, Cardiovascular Disease, Diabetes and Obesity, Cancer, Neurosciences, and Regenerative Medicine. Research excellence, coupled with a robust Informatics data infrastructure, clinically integrated implementation science efforts, and a firm commitment to the promotion of health equity renders the

WFUSM a rich environment for breakthroughs in prevention, diagnosis, and treatment of disease and improvements in quality of life. [We are in a phase of unprecedented growth and evolution and will recruit over 40 new research-intensive faculty to bolster our commitment to growing our Academic Learning Health System.](#)

[Winston-Salem, North Carolina](#) is located in the center of the state, and is home to Wake Forest University, Salem College, Winston-Salem State University, and the North Carolina School of the Arts. The recently revitalized downtown, adjacent to the Wake Forest University School of Medicine and Wake Forest Innovation Quarter, boasts multiple restaurants, breweries, theaters, shops and a minor-league baseball stadium – something for everyone. About 80 miles away, [Charlotte, North Carolina](#) offers a dynamic space to live, work and connect, with its outstanding cultural, recreational, and business amenities. As the 15th largest U.S. city, Charlotte is consistently ranked one of the best cities to live (#20 by U.S. News & World Report.) With four distinct seasons and easy access to the Blue Ridge Mountains and the Atlantic Ocean, natural beauty and a comfortable climate are always within reach.

Applicants should send a cover letter, curriculum vitae, research, and teaching statements, and contact information for 3 or more references to [dbsrecruit@wakehealth.edu](mailto:dbsrecruit@wakehealth.edu). Priority will be given to applications received by November 15, 2023, but we will continue to review applications until the positions are filled.

#### **Culture Commitments**

*We create a space where all Belong*

*We Work as One to make great things happen*

*We earn Trust in all we do*

*We Innovate to better the now and create the future*

*We drive for Excellence – always*