Multiple Open-Rank and Open-Track Faculty position(s) at the Department of Biostatistics, Columbia University

The Institution: The Department of Biostatistics at Columbia University's Mailman School of Public Health seeks applicants for multiple open-rank tenure-track, tenured, or non-tenure track faculty positions in Biostatistics.

The Department of Biostatistics at Columbia University is one of the premier biostatistics departments in the nation. The Department has more than 30 faculty (including 12 ASA Fellows) and 15 biostatistician research staff members. The Department boasts strong research profiles in clinical trial design, survival analysis, nonparametric and semi-parametric statistics, precision medicine, causal inference, machine learning, functional data analysis, imaging statistics, statistical genetics, statistical methods for mental health and many other fields. The Department has built strong collaborative connections within the Mailman School of Public Health (MSPH), a top-ranked school nationally, and in the world-class Columbia University Irving Medical Center (CUIMC). The Department has thriving education programs leading to M.S., M.P.H., Ph.D., and Dr.P.H. degrees. The Department is at the forefront of advancing health data science in close collaboration with the Columbia Data Science Institute.

MSPH is one of the largest recipients of sponsored research for all schools of public health in the nation. Its internationally recognized and highly interdisciplinary faculty is comprised of over 500 fulltime faculty members, of whom almost 40 percent hold joint or interdisciplinary appointments with other departments of the university, as well as a large network of adjunct faculty. CUIMC includes four schools (Vagelos College of Physicians and Surgeons, College of Dental Medicine, School of Nursing, and Mailman School of Public Health) and accounts for roughly half of the University's $4 billion annual budget. CUIMC provides world-class leadership in scientific research, health and medical education, and patient care. CUIMC faculty have made profound breakthroughs historically — among them, the first blood test for cancer, the first medical use of the laser, and the first successful transfer of genes from one cell to another.

Responsibilities: Successful candidates will maintain an active research program, both in biostatistical methodology and in collaborative research; teach effectively, both to graduate students in biostatistics and to students from outside the department; mentor graduate students; provide service to the department, the school, the university, and the profession.

Qualifications: Competitive candidates will hold a doctoral degree in biostatistics, statistics, or related quantitative field by the start date. Candidates with statistical and biostatistical expertise in the application of broad biomedical sciences are welcome to apply. One position will be dedicated to spatio-temporal statistics with environmental applications to climate science. Other areas of interest include (but not restricted to) computational statistics, machine learning, big data methods with applications to omics, neuroimaging, electronic health records or large-scale observational studies, mHealth, statistical genetics/genomics, and precision medicine. Consideration for tenure requires strong teaching, research and publication records in addition to the ability to secure external funding. Junior faculty candidates should demonstrate clear outstanding potential in research, teaching, and the ability to secure independent funding; senior faculty candidates should be internationally recognized scholars who demonstrate a strong track of record of excellence in research, teaching, and mentoring.

Application materials: A letter of interest curriculum vitae, statement of research and teaching philosophy, three recommendation letters, and graduate and undergraduate transcripts for expected and recent doctoral graduates (unofficial transcripts acceptable) to: Apply.interfolio.com/91898

Deadline: Review of applications begins in September 2021 and will continue until the position is filled.

Web Sites: Biostatistics (http://www.mailman.columbia.edu/academic-departments/biostatistics); MSPH (http://www.mailman.columbia.edu/); CUMC (http://www.cumc.columbia.edu/).

Contact: You may contact Katy Hardy (ch336@cumc.columbia.edu) with any questions.