

ASSISTANT/ASSOCIATE/FULL PROFESSOR
DEPARTMENT OF BIOSTATISTICS & MEDICAL INFORMATICS
UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE & PUBLIC HEALTH

The [Department of Biostatistics & Medical Informatics](#) (BMI) at the University of Wisconsin School of Medicine & Public Health (SMPH) seeks tenure track assistant, associate, and full professors whose research focuses on *machine learning*, or related areas, to start in Fall 2018. Candidates should have a doctoral degree (PhD, ScD, or equivalent) in Computer Science, Biomedical Informatics, Bioinformatics, Computational Biology, or a closely related quantitative area. We are particularly interested in machine learning or data science experts with experience or a demonstrated interest in motivating their methodological research by any of the vast array of applications in the biological, clinical, or public health sciences. Other relevant methodological expertise may include, but is not limited to, database theory and methods and/or data mining, natural language processing, and data privacy and security. A key consideration is the ability and interest to work in a collaborative, interdisciplinary environment.

Successful candidates will maintain a superb research program that ideally involves applications to precision medicine, translational bioinformatics, clinical trials and other clinical investigation, population health research or health services research, and/or the improvement of clinical care. It is expected that the candidate will attract and maintain external funding to support his/her program, and will collaborate with scientists at UW-Madison, either in the SMPH and/or across campus, and/or its partner institutions. Additional responsibilities will include training graduate students, teaching, and participating in professional, university, and community service appropriate to rank.

The University of Wisconsin-Madison is a world-class academic institution with an international reputation for basic, applied, and interdisciplinary research. UW-Madison regularly ranks in the top 10 or 12 among U.S. public universities, and regularly surpasses \$1 billion in annual research expenditures. Madison provides a vibrant, culturally rich environment highly ranked in national surveys for quality of life. The BMI department also provides an exceptional environment for academic activity and interdisciplinary collaboration. BMI faculty collaborate with scientists across UW and the State, including the Institute for Clinical and Translational Research, the UW Carbone Cancer Center, the Marshfield Clinic Research Foundation, the Wisconsin Institute for Discovery, and the Morgridge Institute for Research. BMI maintains strong ties to the world-class Departments of Computer Sciences and of Statistics, through which most of its PhD students have traditionally been trained. BMI is also home to a Center for Predictive Computational Phenotyping, funded under the NIH "Big Data to Knowledge" initiative, a training program in biomedical informatics funded by NIH (National Library of Medicine), and a new PhD program in Biomedical Data Science, with the first cohort of students to begin in Fall 2018.

BMI is committed to building diversity in our department and more broadly. The department especially encourages female applicants and those from underrepresented minorities, and is committed to the professional development and success of such individuals throughout their career.

A review of complete applications will begin on December 15, 2017. To ensure full consideration, please apply by January 1, 2018. The position will remain open and applicants may be considered until the position is filled. Candidates should submit their applications through the UW employment website <http://jobs.hr.wisc.edu/cw/en-us/job/496600/professor>.

AA/EOE. Unless confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. A criminal background check will be required prior to employment.