



Henry Ford Health System

Department of Public Health Sciences

Center for Bioinformatics

M.S. level biostatistician sought
to join collaborative research team

Job Description – Applicants can expect to work as part of a collaborative team on projects led by Henry Ford Health System medical researchers or faculty members from Public Health Sciences. Projects focus on the analysis of “omics” (genetic, genomic, and other molecular data), electronic medical record (EMR), and imaging data, as well as integrative analyses across these domains. Daily activities include performing analyses, summarizing findings for internal reports or published manuscripts, and performing power and sample size calculations for grant and/or IRB applications. Responsibilities vary by project and may require the use of multiple statistical and programming tools. Both early-career and experienced applicants are welcomed.

Required Qualifications

- M.S. in biostatistics, statistics, or related field
- Experience with regression modeling
- Expertise in statistical programming and data manipulation; SAS, R, and/or Python
- Excellent verbal communication skills to interact with teammates, researchers and clinical staff
- Excellent writing skills to prepare written reports and summaries, and familiarity with Microsoft Office
- Desire and willingness to learn and develop new skills

Desired Qualifications

- Experience with and/or interest in human subjects research, healthcare, and epidemiology
- Familiarity with and/or interest in the analysis of high dimensional “omics”, EMR, and imaging data
- Familiarity with and/or interest in statistical data mining and machine learning tools

The Department of Public Health Sciences (PHS) conducts and promotes population and clinical research studies to advance biomedical knowledge for disease prevention and improving the community’s overall health. We specialize in applied statistics and epidemiology, providing direction and support for research grants and contracts at HFHS, including the Precision Medicine Initiative: “All of UsSM” award.

The Center for Bioinformatics resides within PHS and is composed of PhD and MS level bioinformaticians, biostatisticians, and epidemiologists with extensive experience in design, analysis, and interpretation of studies involving high-dimensional data. Through collaborative teams we enhance the cutting-edge research at HFHS with the development and application of state-of-the-art analysis methodology.

The Henry Ford Health System (HFHS) is a premier academic medical center committed to improving the health and well-being of our diverse Michigan community through teaching, research, and advanced patient care. The HFHS research portfolio includes approximately 1,700 active studies directed by 84 bio-scientific staff and dozens of physician-scientists. Much of HFHS research is translational in nature - from bench to bedside – and includes basic science, clinical research, local and multi-center cohorts, and a growing investigator-initiated clinical trial program. New initiatives are also constantly developing within the Henry Ford Cancer Institute, HFHS Precision Medicine Initiative, and Patient Engaged Research Center programs. For more information, visit <https://www.henryford.com/hcp/research>.

Qualified applicants should submit a CV with cover letter by email to Vonne Sanders at asander3@hfhs.org or send mail to: Henry Ford Health System, Attn: Vonne Sanders, 1 Ford Place Suite 3E, Detroit, MI 48202.

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