



Henry Ford Health System Department of Public Health Sciences Center for Bioinformatics

Seeks M.S. level biostatistician(s)
to join its collaborative research team

Henry Ford Health System (HFHS) is committed to improving the health and well-being of our diverse Michigan community. Teaching, research, and advanced patient care makes the HFHS a premier academic medical center. www.henryford.com

Research studies and funding - Much of HFHS research is translational in nature - from bench to bedside. To this end, our basic science studies run the gamut from whole animal physiology to cell and molecular biology to bioengineering with an emphasis on studies that can directly impact patient care. There are approximately 1,700 active studies, directed by 81 bio-scientific staff, as well as dozens of physician-scientists and PhDs engaged in clinical research activities. Research focus areas include: Cardiovascular and Renal disease, Neurosciences, Bone and Joint, Cancer, Immunology, and Population Health and Healthcare.

Department of Public Health Sciences (PHS) – The Department of PHS conducts and promotes population and clinical research studies to advance biomedical knowledge that will result in disease prevention and overall improved health status. We specialize in applied statistics and epidemiology and thus both direct and support many of the grants and contracts at HFHS, including our new Precision Medicine Initiative: “All of UsSM” award. Our biostatistics team includes over 20 statisticians experienced in the areas of applied and theoretical statistics.

Center for Bioinformatics – Within PHS, the Center for Bioinformatics is composed of PhD and MS level statistical researchers who work in teams and collaborate with epidemiological, medical, and basic science researchers to design, analyze, and interpret high-throughput molecular data studies. We are involved in all areas of research from grant development and study design through analysis.

Job Description – Applicants can expect to work as part of a collaborative team led by HFHS medical researchers or senior staff members from PHS. Daily activities will include performing analyses, summarizing findings in internal written reports as well as for 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 tools, programming languages, relational database systems, and operating systems.

Required Qualifications

- M.S. in biostatistics, statistics, or related field
- Experience with regression modeling
- Expertise in statistical programming and data manipulation; SAS and/or R
- 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

- One to two years of relevant programming experience
- Familiarity with software packages for “omics” high dimensional data analysis
- Familiarity with data mining and machine learning tools
- Experience with human subjects research, healthcare, and epidemiology

Qualified applicants should submit a CV with cover letter to Lisa King by email: lking2@hfhs.org, or mail: Henry Ford Health System, Attn: Lisa King MHSA, One Ford Place Suite 5C, Detroit, MI 48202

Applications received by January 31, 2018 will receive full consideration.