

The Johns Hopkins University Bloomberg School of Public Health

Department of Health Policy and Management

Center for Population Health Information Technology

Assistant or Associate Scientist Faculty Position

(Equivalent to Assistant or Associate Research Professor)

The Johns Hopkins Center for Population Health IT (CPHIT) is seeking a faculty colleague to join in the non-tenure track to help lead and manage cutting-edge research and development related to applied health informatics within health care and public health. A special emphasis will be on the application of electronic health care data applied to predictive modeling.

Housed within the Johns Hopkins University (JHU) Bloomberg School of Public Health, the goal of CPHIT is to undertake R&D that melds the intellectual assets of our globally leading university in order to develop important health IT based applications for public health agencies and the health care industry.

This faculty member will actively participate in, and help lead and manage the activities of Johns Hopkins ACG® research and development team, one of the largest University Based technology transfer activities of its type in the US.

Specifically, this scientist will help oversee the research agenda of a team of seasoned analysts and faculty colleagues working on the ACG project. In conjunction with senior faculty, this scientist will create and manage their own research portfolio on topics concordant with the ACG system and other work being done by CPHIT related to the application of health IT and electronic data sources to population health.

The Johns Hopkins ACG R&D team is an international leader in health care risk adjustment and predictive analytics. The scientist will have an opportunity to contribute substantively to the award-winning ACG System. ACGs are an advanced population focused predictive analytics software tool applied in 20+ nations to manage the care of over 150+ million patients based on digital health care data sources. See: <https://www.hopkinsacg.org/>

The Center (<http://www.jhsph.edu/cphit>) is housed within the Department of Health Policy. The team collaborates closely with other departments at JHU's Schools of Public Health, Medicine, Nursing on the Medical campus, as well as the Department of Computer Science, on the JHU's main "Homewood" Campus and the JHU Applied Physics Laboratory (APL). CPHIT also collaborates very closely with the Johns Hopkins Health System and several other leading integrated delivery systems and government health agencies. The distribution and business management of the ACG System is handled by business units within the Johns Hopkins Health System and collaborating IT integrator corporations around the globe. The manager will help coordinate the transfer of the JHU R&D into the software distribution pipeline with these end-user facing partners.

We are seeking someone with a terminal advanced degree. Ideally the candidate will have extensive experience working with digital health or health care data. Familiarity with the US health care system, insurance claims data and risk/ case-mix adjustment methodologies is required. Knowledge of electronic health record systems is preferred.

Position Responsibilities:

- Independently frame and manage research projects
- Develop and keep current a strategic plan for ongoing research agenda and help supervise the work of other members of the team
- Conduct sophisticated computer programming and statistical modeling using SAS, R or other advanced analytic toolkits
- Collaborate with other faculty and staff to incorporate their ideas into the research agenda
- Support the translation of research into product specifications and documentation and liaise with technology and business partners helping to support ACGs
- Maintain oversight of the research budget and ongoing research activities
- Manage internal knowledge and data assets pertaining to ACG development
- Help develop grants and contract proposals for funding
- Prepare academic manuscripts, reports and presentation.

Required Experience/Training:

- A relevant advanced terminal degree, such as:
 - PhD Computer Sciences, Informatics, Biostatistics or a closely related field;
 - PhD or DrPH in Health Services Research/ Health Economics or a closely related field;
 - MD (or equivalent) preferably with a concentration in primary / ambulatory / preventative care, public health or a closely related field
- Several years of experience working in advanced health care analytics in either the private sector or applied academic settings, preferably related to predictive models applied to healthcare
- Applying the tools of health services/ social science including research design, biostatistics, econometrics
- Advanced hands on analytical skills using resources such as advanced SAS or R
- Experience with data science techniques such as machine learning or NLP preferred
- Applying academic training to resolve actual issues in non-academic settings
- Experience with software or IT systems development a plus
- Solid grounding in health services research or some other discipline relevant to population health/public health
- Project management, including development of work plans and timelines, budgeting, and supervision of staff

Since advanced knowledge of English is a requirement, the applicant must have one or more degrees from an English speaking university or several years of work experience in an English speaking setting.

The rank (Assistant or Associate Scientist) and salary is dependent on qualifications. The salary is competitive. The benefits are extensive, including 50% college tuition (at any university) for dependent children.

The position is available immediately.

This position represents a unique opportunity to gain experience working within one of the largest and most highly regarded health related research universities in the world. There will be opportunities to collaborate with private and public organizations across the US and the globe. The setting is dynamic, inter-disciplinary, collegial, diverse and mission driven. Career advancement within the faculty ranks is possible. Some teaching and involvement in educational academic activities possible if candidate is interested in such opportunities. This position is fully funded, though over time the scientist will be expected to help the team identify grant and contract opportunities. Over time, the position could involve a proportion of independent R&D activities concordant with mission of the CPHIT research setting.

The Johns Hopkins University embraces human diversity and is committed to equal employment opportunity, affirmative action, and eliminating discrimination.

To apply to this position please send CV and cover letter to CPHIT coordinator Elyse Lasser, elasser1@jhu.edu. Also please address any questions to Ms. Lasser.