The Johns Hopkins University seeks an internationally recognized leader as a tenured, endowed Bloomberg Distinguished Professor in the emerging area of **computational healthcare**. We seek an individual whose research agenda in healthcare and data science will help bring together the University’s Whiting School of Engineering and School of Medicine through their shared interests in computational modeling of health data and its applications to improve health care delivery. This leader will pioneer new directions, interact with existing collaborative research efforts, and help guide additional faculty growth in this area. This position is one of 50 new Bloomberg Distinguished Professors whose mission will be to pursue transformative strategies to enable Johns Hopkins to lead in the development of solutions to major societal problems. Bloomberg Distinguished Professors will enhance significantly the university’s longstanding commitment to research, teaching and service that spans disciplinary boundaries and Schools.

The explosion of data such as neuroimages, DNA sequences, electronic medical records, and physiological signals collected from individual and populations of patients raises the prospect of discovering optimal approaches to individualized health care. The Hopkins Individualized Health Initiative (INhealth) is a focus of the University’s current capital campaign. It seeks to bring together strengths in biomedical sciences, data science, and engineering at Johns Hopkins University, Johns Hopkins Health System, and the Applied Physics Laboratory (APL) to:

- **discover** new computational methods for defining, measuring, and communicating each person’s unique health state and trajectory;
- **apply** these methods to produce better health outcomes at more affordable costs.

This search in computational healthcare is one of several INHealth-related searches that will recruit new Bloomberg Distinguished Professors to drive progress. These professors will also benefit from the University’s strategic initiative in The Science of Learning, and the Whiting School of Engineering research thrust in Leveraging Data to Knowledge. Two other INHealth-related searches are underway in the health information sciences domain (statistical genomics and health informatics).
Bloomberg Distinguished Professors will hold formal tenured appointments in departments of two or more schools of the University, and will participate fully in the research, teaching, and service missions of their departments, including undergraduate and graduate education. The Johns Hopkins University School of Medicine and Whiting School of Engineering are partners in this computational healthcare search. Supporting departments include: the Department of Computer Science in the Whiting School of Engineering; and the Departments of Biomedical Engineering, Emergency Medicine, Medicine, and Radiology in the School of Medicine. The primary academic appointment in the Whiting School of Engineering will be in the Department of Computer Science. The ideal candidate will satisfy the following criteria: international reputation and major research and teaching accomplishments in both computing- and health-related fields such as biomedical informatics, computer science, data-intensive science, statistics, machine learning, computational modeling; track record of translating computational approaches into clinical applications within academic health centers or other health care delivery systems; strong record of extramural funding.

Applicants should send their Curriculum Vitae as a single PDF to Stephanie Steele, Search Coordinator, The Johns Hopkins Institute for Computational Medicine, ssteele@jhu.edu. Applications should be received no later than April 30, 2014. Additional information is available at http://cs.jhu.edu/BDP.

The Johns Hopkins University is committed to enhancing the diversity of its faculty, strongly encourages applications from women and minorities, and is an EEO/AA employer.