The Department of Biomedical Informatics (BMI, http://medicine.osu.edu/bmi/), in partnership with multiple departments and units at The Ohio State University, is seeking outstanding candidates for tenure track faculty positions at all levels (assistant, associate, and full professorships) in the area of **clinical informatics**. As part of the OSU Wexner Medical Center (OSUWMC), BMI leads robust and expansive informatics research, development, service, and training programs with such focus areas as: high performance computing, bioinformatics, computational biology, translational bioinformatics, clinical research informatics, clinical informatics, and public health informatics. These efforts are complemented by strong collaborations across OSU/OSUWMC. Our faculty and staff have full access to an advanced information systems environment including inpatient and outpatient electronic health records, data warehousing platforms, enterprise research information systems, and high-performance computing and data management facilities for both clinical and biological data, including through a partnership with the Ohio Supercomputer Center (http://www.osc.edu). Unprecedented growth in extramural programmatic funding over the past decade and a recent $1 billion expansion of OSUWMC, further enhance the breadth and depth of resources available to faculty at the nation's largest, integrated health sciences campus.

We are interested in researchers engaged in all areas of clinical informatics, including (but not limited to):

- Innovative approaches to clinical decision support, including those using biological and clinical data;
- Developing computational techniques and infrastructures for analyzing, managing, visualizing, mining, and integrating multi-dimensional high throughput and multi-dimensional data sets;
- Applying machine learning, data science/mining, information theory, mathematical modeling, scientific visualization, text mining, and natural language processing tools and methods to enable in-silico knowledge synthesis and biomedical discoveries that inform novel diagnostic and therapeutic strategies for a variety of diseases;
- The use of any of these informatics methods to support clinical transformation and improvements in health.

These positions are partially funded by OSU’s Discovery Themes Initiative, a major faculty hiring investment in key thematic areas that will build on OSU’s culture of academic collaboration to make a global impact.

The Ohio State University is committed to establishing a culturally and intellectually diverse environment, encouraging all members of our learning community to reach their full potential. We are responsive to dual-career families and strongly promote work-life balance to support our community members through a suite of institutionalized policies. We are an NSF Advance Institution and a member of the Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium.

Successful candidates will have a Ph.D. and/or M.D. degree, or equivalent formal training, with focused, research-oriented training in areas such as (but not limited to) data mining and machine learning; integrative analysis of biomedical data; scientific visualization; human-computer interaction; phenotype modeling; natural language processing (NLP); and knowledge engineering.

Preferred qualifications for this opportunity include: 1) experience mentoring members of underrepresented groups; and 2) experience developing or working in interdisciplinary research teams.

Applicants for senior positions should demonstrate outstanding academic and scholarly achievements as well as a vigorous external-funded research program.

Interested candidates should please send a full CV, including publications and funding records, detailed plans for research and educational programs, the names of three references, and two representative publications to: biomedical.informatics@osumc.edu. Preference will be given to applications received by March 31, 2015.