

## Biomedical and Health Informatics Lecture Series

**Tuesday, March 1, 2011  
12:00 - 12:50 p.m., Room E-216**

### **Neil Abernethy, PhD**

Assistant Professor, Medical Education and Biomedical Informatics  
Joint Assistant Professor, Health Services, School of Public Health  
University of Washington

### *“Frontiers in Biomedical Informatics”*

Distributed computing, widespread adoption of mobile devices and the internet, systems biology, high-throughput "omics" techniques, and advances in physics and engineering are creating new opportunities and challenges in biomedical research. I will discuss the impact of this increasing pace of technology on the continuing growth and development of informatics.

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**Neil Abernethy** is an Assistant Professor with joint appointments in Medical Education and Biomedical Informatics in the School of Medicine, and in Health Services in the School of Public Health. His research interests include models of infectious disease, global health, social network analysis, and integration of genomic, clinical, surveillance, and geographic data. Dr. Abernethy holds a Ph.D. in Biomedical Informatics from Stanford University, where he investigated computational methods to merge and analyze diverse data sources and for outbreak management. He has also conducted epidemiologic studies of tuberculosis at UCSF and bioinformatics research at North Carolina State University and Stanford University. More recently, he worked on staff at the Data Centre for the Medical Research Council in The Gambia.

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**NOTE:** Podcasts from MEBI 590 Lecture Series talks for this quarter are available at  
<http://courses.washington.edu/mebi590/schedule.htm>

Podcasts from previous quarters are available at  
<http://courses.washington.edu/mebi590/past.lecture.schedules.html>