

Biomedical and Health Informatics Lecture Series

Tuesday, September 30, 2008
Room RR-134, 12:00-12:50 p.m.

Neil Abernethy, PhD

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“Guiding the Evolution of Public Health Informatics”

The emerging field of Public Health Informatics (PHI) is developing amid a context of continual advances in biomedicine and computer science as well as increasingly complex epidemiological challenges. This talk will give an overview of the interconnections between PHI and clinical and bio-informatics. It will proceed to introduce new areas of research likely to impact the discipline as it continues to mature. These will include treatment of high-throughput data, personal genomes, complex chronic disease management, decision support and global surveillance strategies.

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.

Series Website: <http://courses.washington.edu/mebi590/>

NOTE: Podcasts from MEBI 590 Lecture Series talks from earlier this quarter are available at <http://courses.washington.edu/mebi590/2008.Q2.Spring.htm>

Podcasts from Fall Quarter 2007 are available at
<http://courses.washington.edu/mebi590/2007.Q4.Fall.htm>