biomedical and health informatics

Biomedical and Health Informatics Lecture Series
Thursday, May 26, 2011
1:30 - 2:20 p.m., Room E-216

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"deCIPHER: Critical Illness Phenotype Extraction Project"

Clinical research studying critical illness phenotypes relies on the identification of clinical syndromes defined by consensus definitions. Pneumonia is a prime example. Historically, identifying pneumonia has required manual chart review, which is a time and resource intensive process. The overall research goal of deCIPHER is to develop automated approaches that accurately identify critical illness phenotypes. In this presentation, I will describe our approach to the identification of pneumonia from electronic medical records, present our preliminary results, and describe future steps.

Meliha Yetisgen-Yildiz received her BS degree on Computer Engineering and Information Science from Bilkent University (Ankara, Turkey) and MS degree on Computer Engineering from Middle East Technical University (Ankara, Turkey). She received her PhD from the University of Washington with a thesis on biomedical text mining in December, 2007. Before joining to BHI, she worked as a post-doctoral researcher at UW and as a text mining researcher at Kiha, Inc. Her current research interests include clinical natural language processing, biomedical text mining, and information extraction.

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