September 16: Thomas Rindflesch, Semantic Processing for Biomedical Research

SYNOPSIS:

Semantic MEDLINE integrates information retrieval, advanced natural language processing, automatic summarization, and visualization into a single Web portal. The application is intended to help manage the results of PubMed searches by condensing core semantic content in the citations retrieved. Output is presented as a connected interactive graph of semantic relations, with links to the original MEDLINE citations.

The ability to manipulate salient information across documents helps users keep up with the research literature and discover connections which might otherwise go unnoticed. Such an ability can have an impact on biomedicine by supporting scientific research. Researchers can use Semantic MEDLINE to implement the literature-based discovery methodology for hypothesis generation; in addition, they can use the discovery browsing paradigm to elucidate poorly understood biomedical topics.

Session details...

BIO:

Thomas Rindflesch has a Ph.D. in linguistics from the University of Minnesota and conducts research in natural language processing at the National Library of Medicine. He is developing Semantic MEDLINE, a biomedical information management application that combines document retrieval, semantic processing, and knowledge visualization to facilitate scientific discovery.

SUMMARY:

Topic: Semantic Processing for Biomedical Research

Speaker: Thomas Rindflesch, Ph.D.

Date: Wednesday, September 16, 2015

Time: 11 AM – 12 PM ET

You are invited to listen to Dr. Rindflesch's presentation in Room 2W910-912 in the NCI Shady Grove Building on Medical Center Drive or via WebEx.

Presentation: A screen cast of the presentation will be available for viewing after the event on the NCI CBIIT Speaker Series YouTube Playlist

About the NCI CBIIT Speaker Series:

The National Cancer Institute (NCI) Center for Biomedical Informatics and Information Technology (CBIIT) Speaker Series is a bi-weekly knowledge-sharing forum featuring both internal and external speakers on topics of interest to the biomedical informatics and research communities. For additional information, including past speaker series presentations, visit the CBIIT Speaker Series page.

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