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Semantic Session: Semantic indexing in PubMed

Thursday, 20 June 2013 09:00 (30 minutes)

About 5,000 biomedical journals are indexed and included in the National Library of Medicine's MEDLINE bibliographic database, available through PubMed. MEDLINE is used internationally to provide access to the world's biomedical journal literature. PubMed supports both text searches and searches based on the indexing of the articles in reference to the Medical Subject Headings (MeSH) thesaurus.

We will review several aspects of semantic indexing in MEDLINE, including traditional MeSH indexing performed manually by human indexers, indexing to UMLS concepts, and indexing of relations or facts ("nano-publications"). We will discuss automatic approaches to MeSH indexing, as well as indexing of specific entities, such as genes. This presentation also explores the relations between semantic indexing and the Semantic Web, as well as applications of semantic indexing, e.g., to literature-based discovery.

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