

NCI Center for Bioinformatics
Informatics Seminar Series
Utilizing Nomenclatures to Improve
Data Representation and
Information Management in Support
of Cancer Research

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1PM to 3PM
November 10, 2004

Bldg 6116 Executive, Room 607

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Peter L Elkin, M.D.
Professor of Medicine and Associate Professor of Medical
Informatics
Mayo Clinic College of Medicine

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Dr. Elkin will discuss the theory behind compositional systems for data representation in the context of a working J2EE terminology server. He will demonstrate the server and several applications that have been built around the terminology server which demonstrate the power of Ontologic support (compositional concept based indexing) in support of cancer research. To date Dr Elkin has explored using his terminology server to support numerous applications. In this Seminar, he will describe results to date relative to automated indexing of clinical documents and expert systems for quality reviews or clinical trials support, and will touch on image management and web site indexing and knowledge management as time permits.

Dr. Elkin is a Professor of Medicine at the Mayo Clinic College of Medicine. Dr Elkin has published widely regarding medical terminology, decision support and electronic medical records. Dr. Elkin is co-Chair of both the HL7 Clinical Genomics and Clinical Templates SIGs. Dr. Elkin is the index recipient of the Homer R. Warner award for outstanding contribution to the field of Medical Informatics.

Attendees are invited to engage Dr. Elkin in exploring open terminology server technology in the context of NCI's present and future needs.