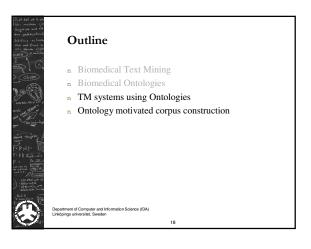
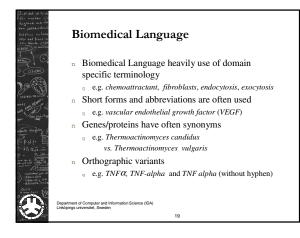
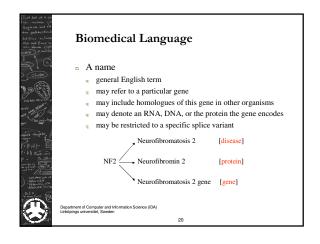
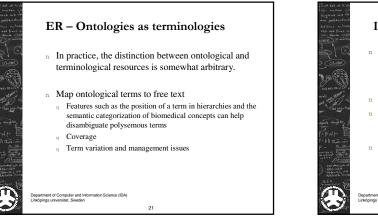


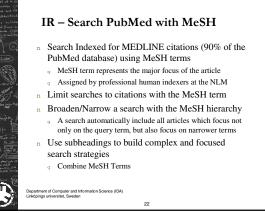
	ologies (as of April 2007)		
Ontalogy	Scope	URL	Custodiaes
Mature ontologies undergoing inc	consental reform		
Cell Ontology (CL)	Cell types from prokaryotic to mammalian	http://obofoundry.org/cgi-bin/detail. cgi?cell	Michael Ashburner, Jonathan Ba Oliver Hofmann, See Rhee
Gene Ontology (GO)	Attributes of gene products in all organisms	http://www.geneontology.org	Gene Ontology Consortium
Foundational Model of Anatomy (FMA)	Structure of the mammalian and in particular the human body	http://fma.biostr.washington.edu	J.L.V. Mejino, Jr., Cornelius Ross
Zebratish Anatomical Ontology (ZAO)	Anatomical structures in Danio rerio	http://zfin.org/zf_info/anatomy/dict/sum. html	Malissa Haendel, Moeta Westerfi
Mature ontologies still in need of	thorough review		
Chemical Entities of Biological Interest (ChEBI)	Molecular entities which are products of nature or synthetic products used to inter- vene in the processes of living organisms	http://www.abi.ac.sk/chabi	Paula Dematos, Rafael Alcantara
Disease Ontology (DO)	Types of human disease	http://diseaseontplogy.st.net	Rex Chisholm
Plant Ontology (PO)	Flowering plant structure, growth and development stages	http://piantontology.org	Plant Ontology Consortium
Sequence Ontology (SO)	Features and properties of nucleic acid sequences	http://www.sequenceontology.org	Karen Eilbeck
Ontologies for which early version	ns exist		
Ontology for Clinical Investigations (OCI)	Clinical trials and related clinical studies	http://www.biocetology.org/wiki/index. php/CTO:Main_Page	OCI Working Group
Common Anatomy Reference Ontology (CARO)	Anatomical structures in all organisms	http://obofoundry.org/cgi-bin/detail. cgifoaro	Fabian Neuhaus, Melissa Haende David Sutherland
Environment Ontology	Habitats and associated spatial regions and sites	http://www.obofoundry.org/cgi-bin/detail. cgifid-envo	Norman Morrison, Dawn Field
Ontology for Biomedical Investigations (CB1)	Design, protocol, instrumentation and analysis applied in biomedical investigations	http://obi.sf.eet	OBI Working Group
Phenotypic Quality Ontology (PATO)	Qualities of biomedical entities	http://www.phenotypeontology.org	Michael Ashburner, Suzanna Lew Georgios Gkoutos
Protein Ontology (PRO)	Protein types and modifications classified on the basis of evolutionary relationships	http://pir.georgetown.adu/pro	Protain Ontology Consortium
Relation Ontology (R0)	Relations in biomedical ontologies	http://obofoundry.org/ro	Barry Smith, Chris Mungall
RNA Ontology (RnaO)	RNA three-dimensional structures, sequence alignments, and interactions	http://www.bgsu.ada/	RNA Ontology Consortium

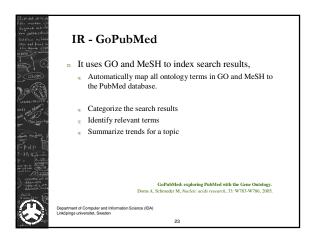


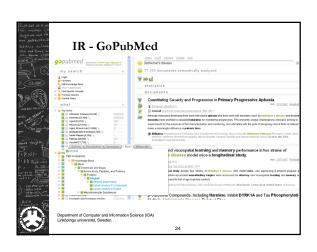


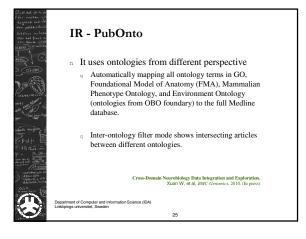


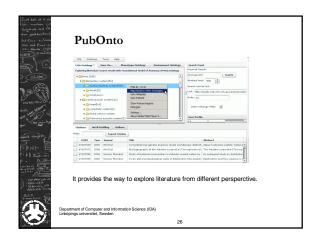


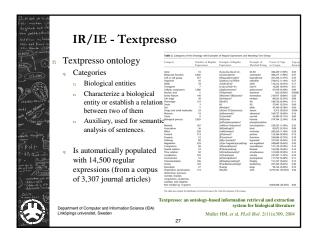


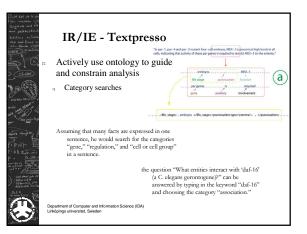


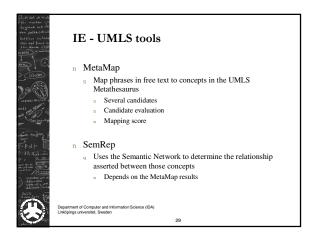


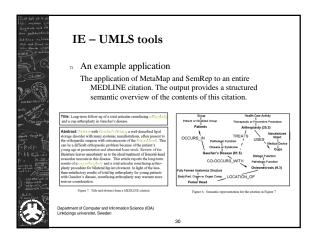


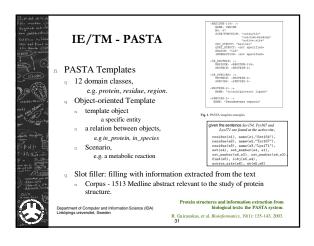


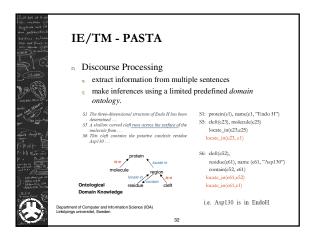


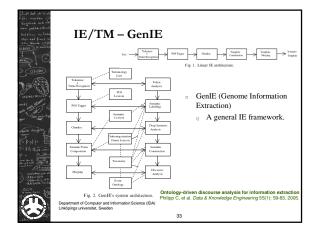


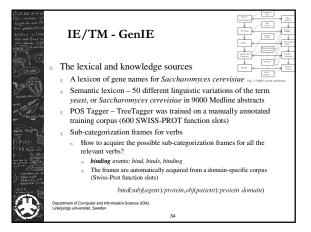


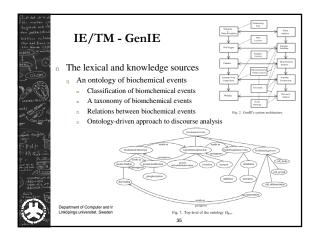


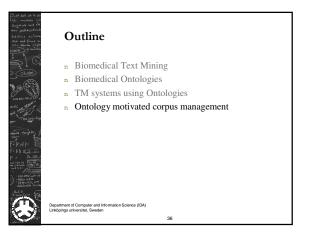


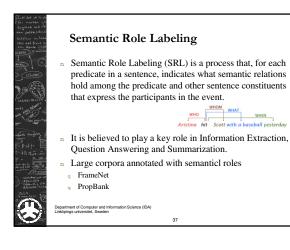


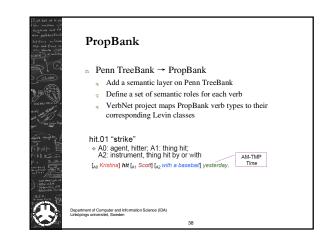


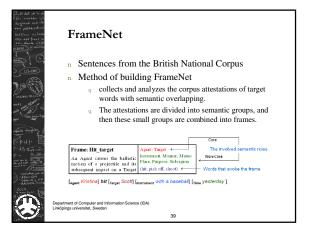


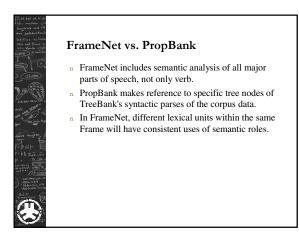


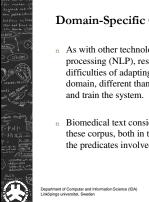






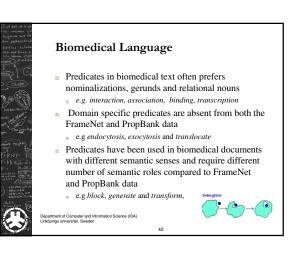






## **Domain-Specific Corpus**

- n As with other technologies in natural language processing (NLP), researchers have experienced the difficulties of adapting SRL systems to a new domain, different than the domain used to develop
- Biomedical text considerably differs from the text in these corpus, both in the style of the written text and the predicates involved.





## Difficulties of building frame lexicon

- n How to discover and define semantic frames together with associated semantic roles within the domain?
- n How to collect and group domain-specific predicates to each semantic frame?
- n How to select example sentences from publication databases, such as the PubMed/MEDLINE database containing over 20 million articles?

43

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