

Personal Profile

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Current Research Projects

- Analysis of Rhetorical and Argumentation Structure in Biomedical Texts
(collaboration with Biochemistry, The University of Alberta, University of Waterloo)
- Storm tracking
(collaboration with Dr. J. Barron)
- Using social media sites to determine privacy concerns
(collaboration with Syracuse University)

Recent PhD and MSc Student Thesis Titles

- *A computational linguistic approach towards understanding Wikipedia's article for deletion (AFD) discussions*
- *A real-time n-gram approach to choosing synonyms based on context*
- *Discovering higher order relations from biomedical text*
- *Identification of informativeness in text using natural language stylometry*
- *Developing a genotype-phenotype table ontology*
- *Investigating genotype-phenotype relationship extraction from biomedical text*

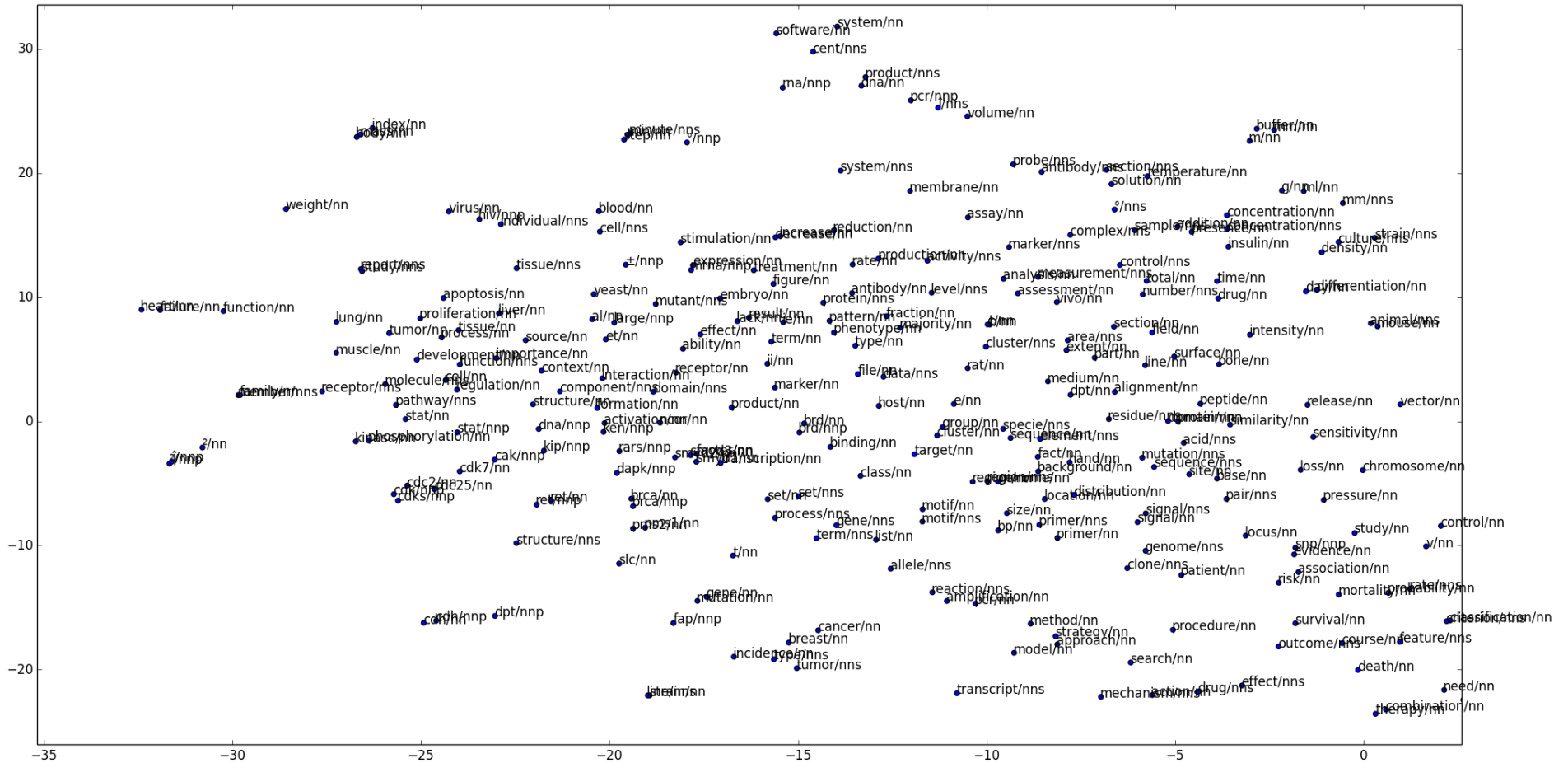
Example of a Higher Order Relation

*A neurotoxic fragment of PROTEIN0, Abeta 25-35, incubated in the presence of endogenous Ca²⁺, increased significantly the PROTEIN1 activity of normoxic brain. Thus, **PROTEIN0 exerts a similar effect on the membrane-bound PROTEIN1 from normoxic brain or subjected to ischemia reperfusion injury.***

Current PhD and MSc Student Thesis Topics

- On the promotion of social web intelligence
- Finding phenotype-genotype information in tables in biomedical articles
- Describing rhetorical structure in Method section of biomedical texts
- Citation linking in biomedical papers using bag of words and sentence type

Example of a Word Embedding



Graduate Course

CS 9660 Computational Linguistics
winter term