

Ontology-Based Extraction and Summarization of Protein Mutation Impact Information

Submitted by [rene](#) [1] on Fri, 2010-07-23 09:03

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Title	Ontology-Based Extraction and Summarization of Protein Mutation Impact Information
Publication Type	Conference Paper
Year of Publication	2010
Refereed Designation	Refereed
Authors	Naderi, N. [7], and R. Witte [8]
Conference Name	Proceedings of the 2010 Workshop on Biomedical Natural Language Processing (BioNLP 2010)
Pagination	128--129
Date Published	July 15
Publisher	Association for Computational Linguistics (ACL)
Conference Location	Uppsala, Sweden
Type of Work	Poster
Abstract	NLP methods for extracting mutation information from the bibliome have become an important new research area within bio-NLP, as manually curated databases, like the Protein Mutant Database (PMD) (Kawabata et al., 1999), cannot keep up with the rapid pace of mutation research. However, while significant progress has been made with respect to mutation detection, the automated extraction of the impacts of these mutations has so far not been targeted. In this paper, we describe the first work to automatically summarize impact information from protein mutations. Our approach is based on populating an OWL-DL ontology with impact information, which can then be queried to provide structured information, including a summary.
URL	http://www.aclweb.org/anthology/W10-1917 [9]
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Attachment	Size
W10-1917.pdf [10]	112.96 KB
bionlp2010_poster.png [11]	716.85 KB



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