

Abstract of Presentation

Note: This paper should be typed in “Times New Roman” of 12pt.

Presentation Title(Should be no more than 20 words):

Annotation of human proteins in the context of molecular medicine: current status and future developments.

Abstract :

In September 2008, the Swiss-Prot group achieved a major milestone: the first complete manual annotation of what we believe to be the full set of human proteins. This corpus of data is already quite rich in information pertinent to modern biomolecular medical research. As it will be described, UniProtKB/Swiss-Prot contains a wealth of data relevant to genetic diseases and predispositions. For example it describes about 60'000 single amino acid sequence variants, 23'000 of which are linked to diseases.

We are continuously expanding the quantity and range of information that we curate regarding human proteins. This emphasis on human protein annotation recently lead the Swiss Institute of Bioinformatics to support a new endeavor whose goal is the creation of neXtProt, a major new resource on human proteins. neXtProt is being developed as a comprehensive knowledge platform for life scientists and medical researchers.