

## Input Text

The CRB1 gene is a key target in the fight against blindness.

## Tokenization

The\_CRB1\_gene\_is\_a\_key\_target\_in\_the\_fight\_against\_blindness.

## Part-of-speech (POS) Tagging

The\_CRB1\_gene\_is\_a\_key\_target\_in\_the\_fight\_against\_blindness.

DET NP NP VP DET AD NP PP DET NP PP NP

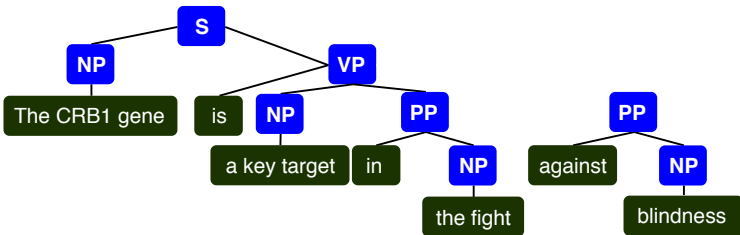
## Named-Entity Recognition (NER)

CRB1, blindness

## Named-Entity Linking (NEL)

CRB1 – 23418 (NCBI), blindness – HP:0000618 (Human Phenotype Ontology)

## Parsing (Shallow/Full)



## Relation Extraction (RE)

CRB1*targets* blindness