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## A wiki-based web server for human disease

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The massive onslaught of human disease and related genes, proteins and cellular processes can be difficult to manage and integrate. Disease wiki is a wiki-based web server to help the community edit and create any biological knowledge of human diseases. The goal is to provide the research communities with up-to-date disease-related information which can be updated at any time by communities to keep pace with the continuously accumulating knowledge. Disease wiki content currently covers 8,607 diseases, 54,999 relations between diseases and genes, 13,349 genes related with diseases and 20,249 proteins. Each page contains editable tables which can be updated by users to refine any existing content. Each page is also paired with talk page which can support various user comments and discussions. Page content can also be edited, searched, listed or browsed in tree structure. An alternative way users can contribute is to create new disease, new gene, new protein and new relations between terms using pre-defined template and category. Disease wiki uses the same media wiki technology that powers wikipedia, allowing users to contribute at many different levels by editing existing pages, creating new pages or creating new categories to dynamically organize the content. Disease wiki can be accessed online at <http://diseasewiki.hupo.org.cn>.

## Biography

Tao Chen has completed her PhD from National University of Defense Technology. She is now an Assistant Professor at Beijing Institute of Radiation Medicine. She has published more than 10 papers in reputed journals of Computer Science.

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