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**Trykipedia: Collaborative Bio-Ontology Development using Wiki Environment**

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**Introduction:**
Biomedical ontology development is an intensely collaborative process between biology experts and computer scientists. With the proliferation of ontology-based approach to solve informatics problems in biological domain, there is a need for collaborative environment that is intuitive and widely accepted for modeling the ontology.

**Motivation:**
1. Traditional ontology development tools, such as Protégé, represents a steep learning curve for biologists.
2. Ontology development also involves interactive discussions that are recorded for future references.
3. The Web-based wiki environment not only reduce the burden on ontology developers but also make the ontologies readily available to community members.

**Implementation:**
The wiki-based ontology development for parasite research, called Trykipedia, has been implemented:
1. The wiki infrastructure is easy to setup and maintain.
2. The “history” of a wiki page enables users to track and analyze the evolution of content of a page.

**The list of classes in the Parasite Experiment ontology in Trykipedia**

**Conclusions:**
A wiki-based collaborative environment for large projects involving a number of collaborators like in case of T. cruzi, facilitated the ability to organize information, refine and formulate various relationships involved in ontology modeling with ease by the use of wiki-based environment.

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**References:**