

## **EcoliHub Information Resource for Experimentation and Modeling**

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Efforts will be described on development of a biology-driven, integrated “one-stop-shopping” *E. coli* community information resource to permit full use of our existing knowledge and to enable new discoveries leading to deeper understanding of life processes. Moreover, since most cellular processes are universal, these tools and the advances they allow will have important impact on human health, through their application to pathogenic bacteria, especially enteropathogenic *E. coli*, *Shigella*, and *Salmonella* species.

The resource is being designed for seamless and transparent bi-directional connections among cooperating and interoperable *E. coli* informatics databases (EcoCyc, GenExpDB and Genobase), as well as with major biological database like ERIC, NCBI’s Entrez Gene, UniProt, and KEGG.

EcoliHub has recently released on the web at [www.ecolicommunity.org](http://www.ecolicommunity.org). Two main search engines are being developed for use by the *E. coli* community. EcoliWebsearch is a web-crawler engine that searches *E. coli* websites and websites with *E. coli*-specific information. Our major effort has been on development of the EcoliDatabase search engine, which is currently available only as a demo.