

Text Mining and Management Tools for Resource Construction and Validation in the Life Sciences

Jong C. Park

Department of Computer Science, KAIST

In this talk, I am concerned with the question of what it really takes to move forward in the age of information, along the well known progression of human understanding, or data-information-knowledge-truth. After an overview of research directions of our group at KAIST, I present four text mining and management tools for resource construction and validation: Automatic gene summary generation, e3db construction, pathway validation by logical inference, and the system that taps into the evolutionary aspect of the Gene Ontology with colored graphs.

BMC Bioinformatics: <http://www.biomedcentral.com/1471-2105/9/S3/S7/abstract>

NAR: <http://nar.oxfordjournals.org/cgi/reprint/gkn286?ijkey=sSnELxvMmtYlvXh&keytype=ref>