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BIOLISM – SEARCHING AND MINING BIO-LITERATURES

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Five Major Bio-Literature Mining Tasks

- In the last 15 years, numerous approaches are proposed for:
  - Named Entity Recognition
  - Abbreviation Extraction
  - Relationship Extraction
  - Literature Classification
  - Hypothesis Generation

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A Short Summary

- After 15 years, what we have seen are:
  1. Only traditional search engine is a tool of biomedical scientists
     - Only searching (information retrieval).
     - No mining.

  2. None of the text mining tools is part of the standard tools of the biomedical scientists
     - Yet, there are plenty of text mining tools
     - Even some of them may need improvements, some of them seems well-developed

Biolism – A Prototype System

- We propose a system called Biolism:
  - Biolism (Bio-literatures – Searching and Mining)
  - A system for searching and mining bio-literatures.
  - Expect early 2010 finish a prototype system

Major GUI (For more information, refer to the paper)