Maximizing the Quality, Efficiency and Information Content

Parthys

Reverse Informatics

The Art of Generating New Knowledge

Presentation at ICIC 2010, Vienna, Austria

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The Art Of Generating New Knowledge

Data

Forward

Informatics

Knowledge

Reverse

Informatics

Curated Data

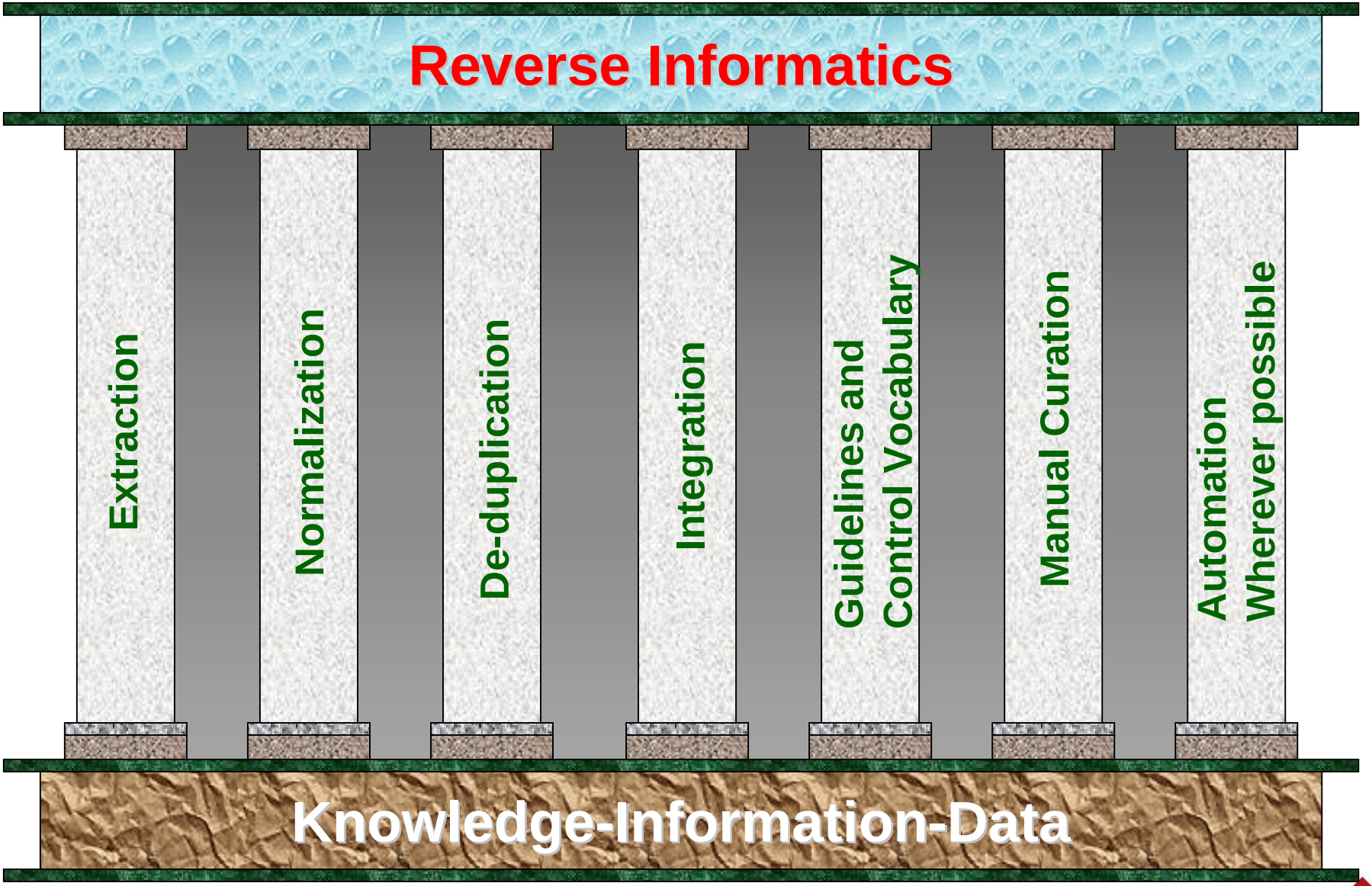
Normalized Data

Re-Informatics

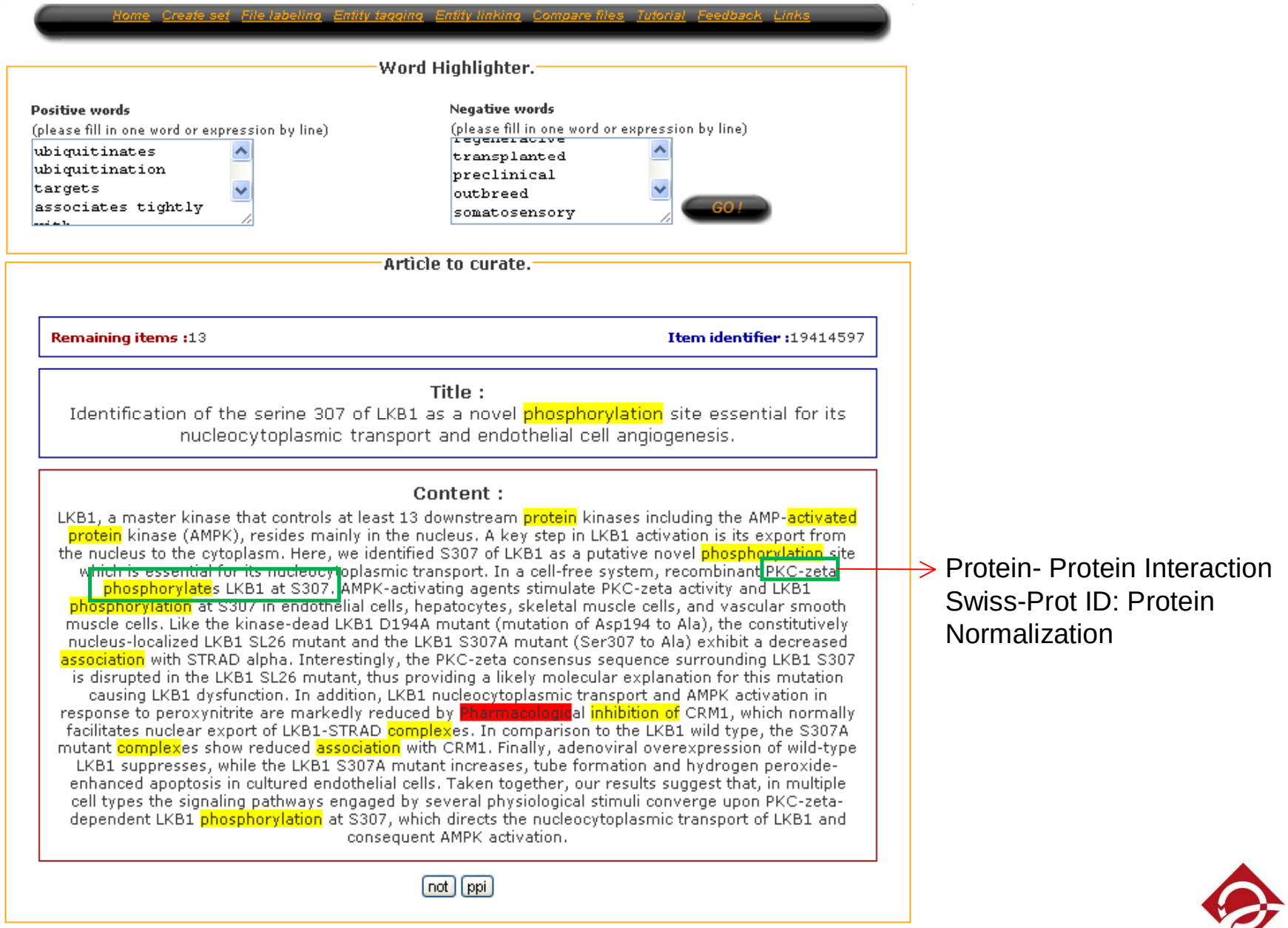
Synthetic Knowledge

"Those who cannot remember the past are condemned to repeat it." George Santayana. The Life of Reason

The Pillars of Reverse Informatics

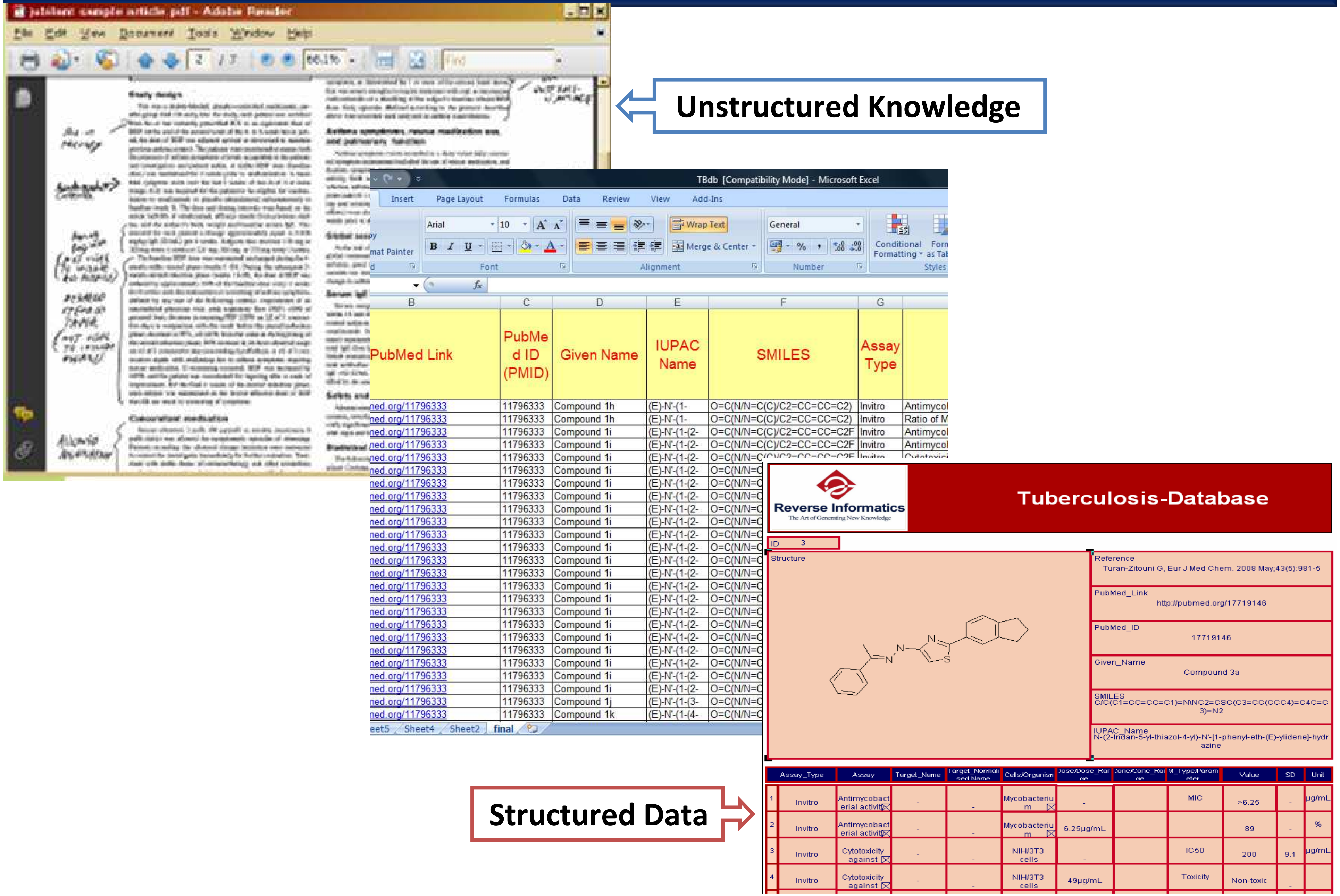


Identifying Relevance



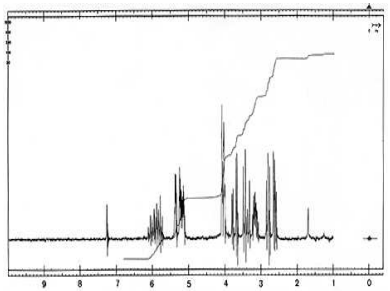
Protein- Protein Interaction
Swiss-Prot ID: Protein Normalization

Various Stages of Curation

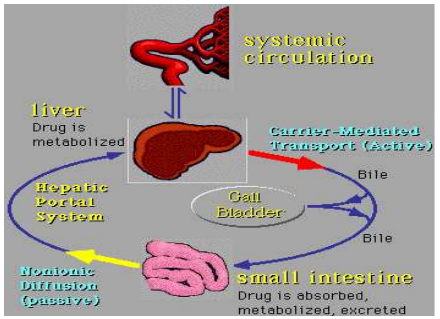


Thematic Databases

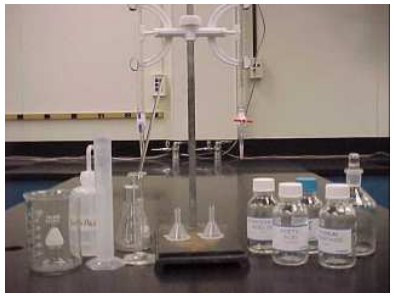
Reverse Informatics has the capability to extract relevant information as per the Guidelines and Control Vocabulary in all the Scientific areas: Pharmacological, Chemical, Biological, and toxicity information from scientific literatures/articles for each component and its relating facts.



Physicochemical properties

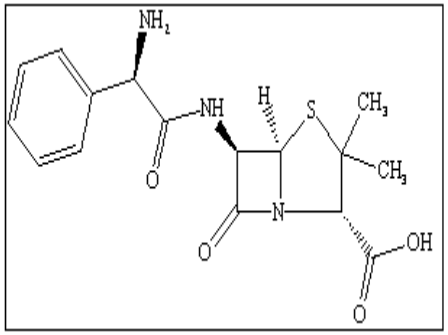


Pharmacology



Chemical Synthesis

Curation

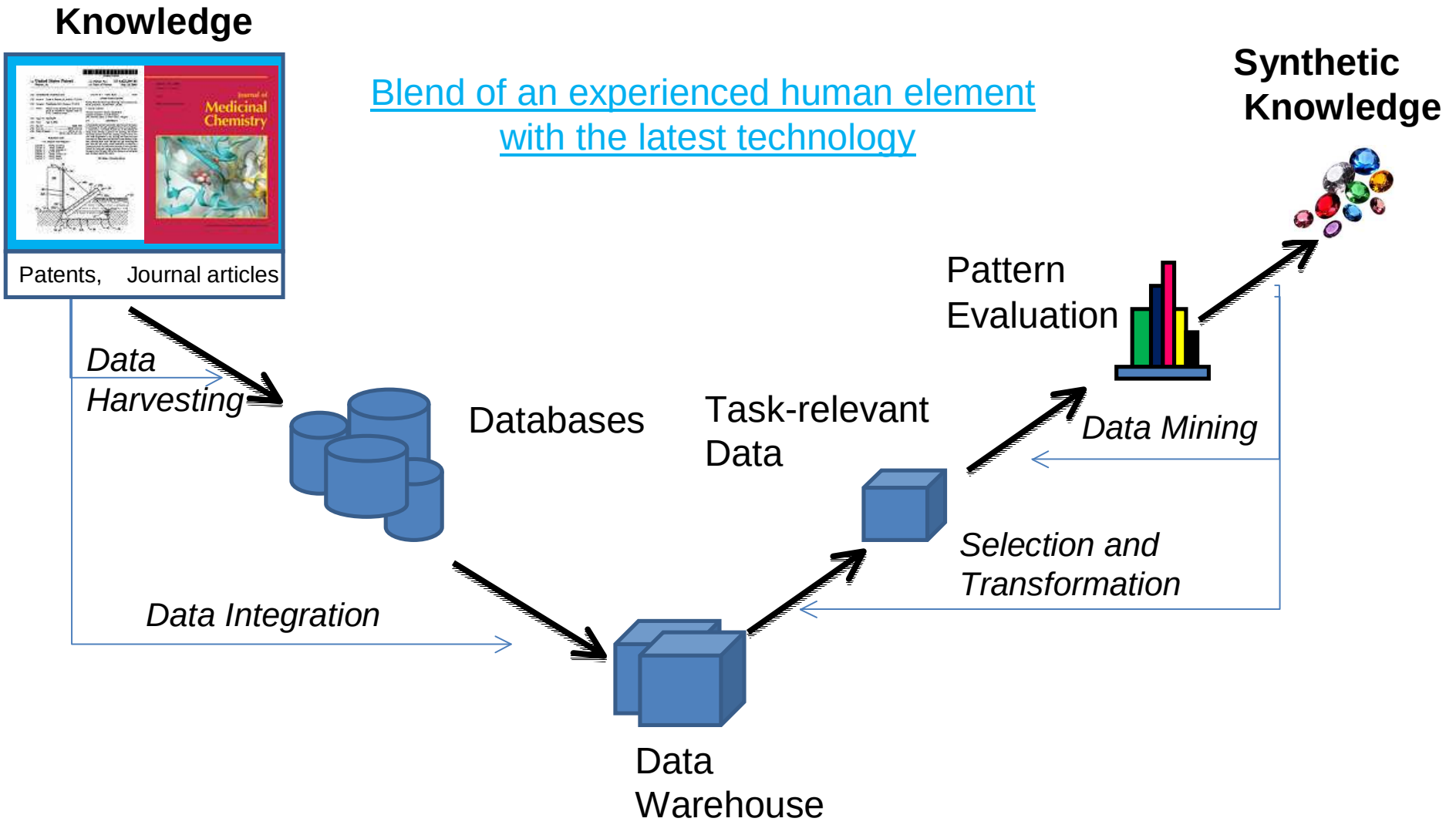


Structure

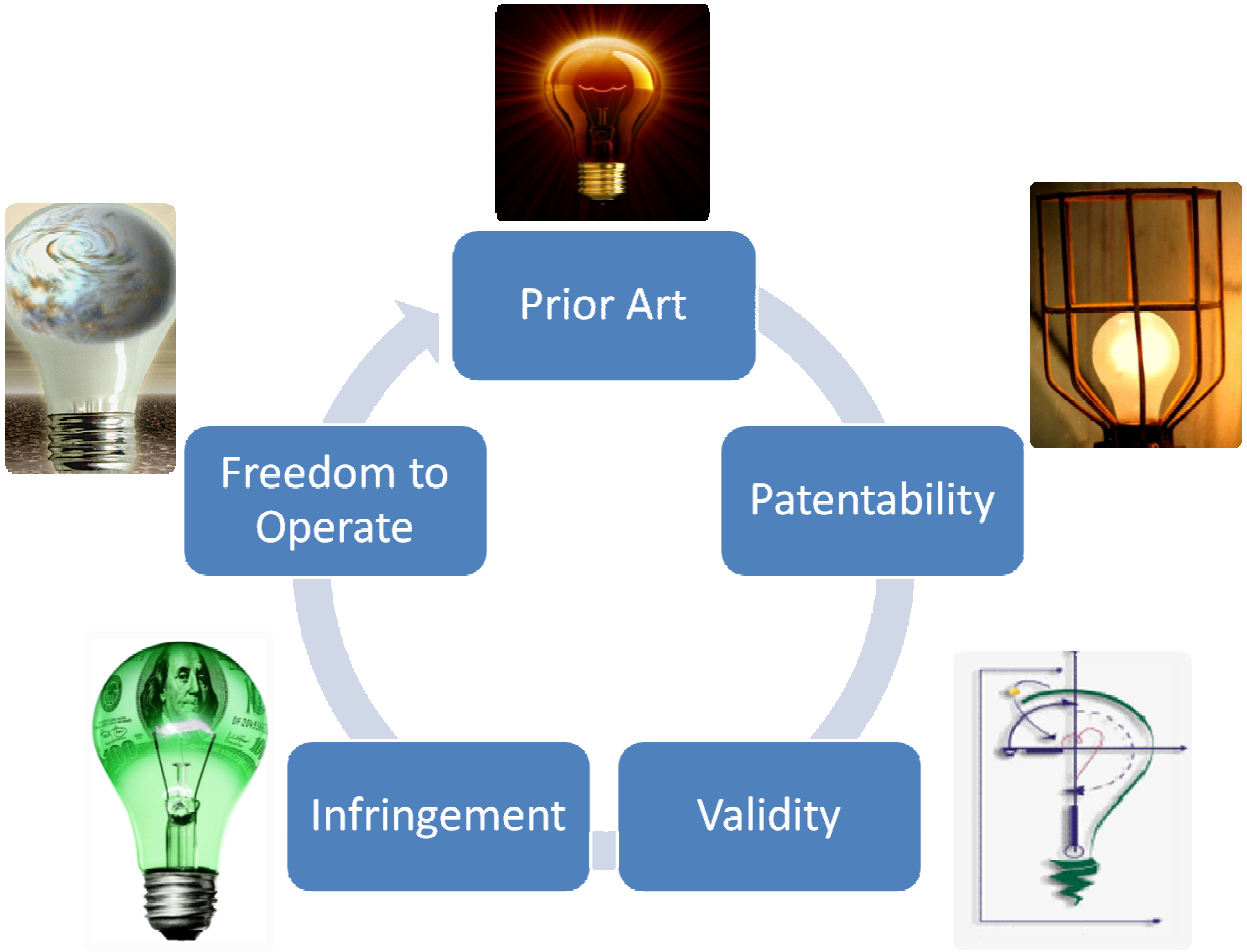
...AAATCGTCAA GATTGAGGCG...

Gene Sequences from literature

The Reverse Informatics Steps



Patent Search Services



Technology Coverage

Chemistry
Biotechnology
Pharmaceutics
Medical Devices

Electrical
Electronics
Mechanical
Consumer Products

Leveraging Literature Information

Reverse Informatics

Thank You!

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