

## **Pharma Databases Integration coupled with human curation for Drug Development/Repurposing**

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In the current scientific revolution pharma related data generation became easy because of next-gen sequencing and other technologies. Finding out right data from this big data heap is like finding needle in the haystack. To facilitate drug development, we integrated drug/compound, target/protein, disease/indication, clinical trials, NCBI PubMed Literature, Patents and regulatory databases/documents into 3BIS (3BIGS Business Intelligence Solution). Using our biology/pharma expert's data was human curated to generate high value data which will be useful for AI/ML. Recently we developed Machine Learning algorithm to predict novel indications for existing drugs. These indications will be prioritized by Ph.D. level scientists who can generate final report on potential indications that can be followed up. This type of value-added service will help customer to focus what is more important than getting list of indications from AI/ML but needs spend more resources to finalize. We provide end to end solutions from Database construction to Indication prioritization.