Infosys Drug Repurposing Platform – finding new uses for drugs

EXTERNAL
DATA
SOURCES

Chemical Structure
(PubChem)

Compound structures
(Drugbank)

Protein Structure

Experimental data sets

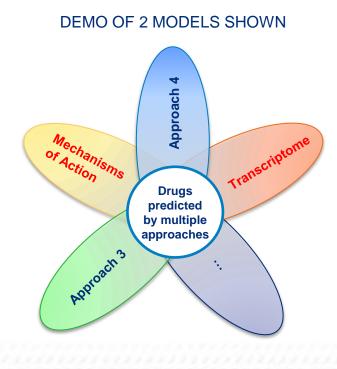
(PDB)

Gene Expression

(GEO)

Pathway Data

EXAMPLES OF MODELS Transcriptome signatures Compound structures Drug/protein interactions Side-effect profiles **Mechanisms of action Next Gen Sequencing** Nutrigenomics etc.



INTERNAL

DATA

SOURCES