

# Biomedical Knowledge Workbench (MVP)

Disease Keyword Search Box

List of  
MONDO-  
indexed  
diseases  
matching  
text filter

List of  
gene  
results  
from a  
workflow

List of  
biomodels  
associated  
for  
selected  
gene

Biological Context View

Gene/Drug  
Details View

SBGN Rendering Engine  
(Python GUI library)

MONDO  
Disease  
ID

SBGN Graph,  
Annotated with  
NCATS Results

NCATS  
Workflows

NCATS  
Results

Knowledge  
Base  
(Neo4j Graph  
Database)

- Results from NCATS
- BioModels

Biomodel  
Graph

BioModel  
to  
Knowledge  
Base  
Mapper

SBML  
Models

EBI  
BioModels  
(or equivalent  
system biology  
model source,  
e.g.  
Reactome?  
Rhea?)



