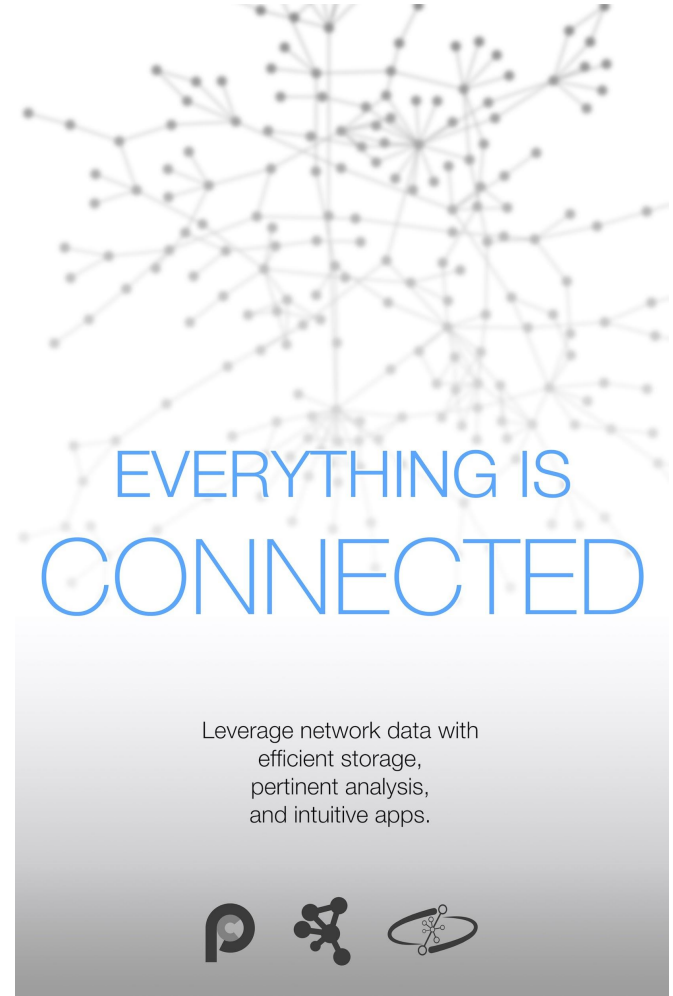
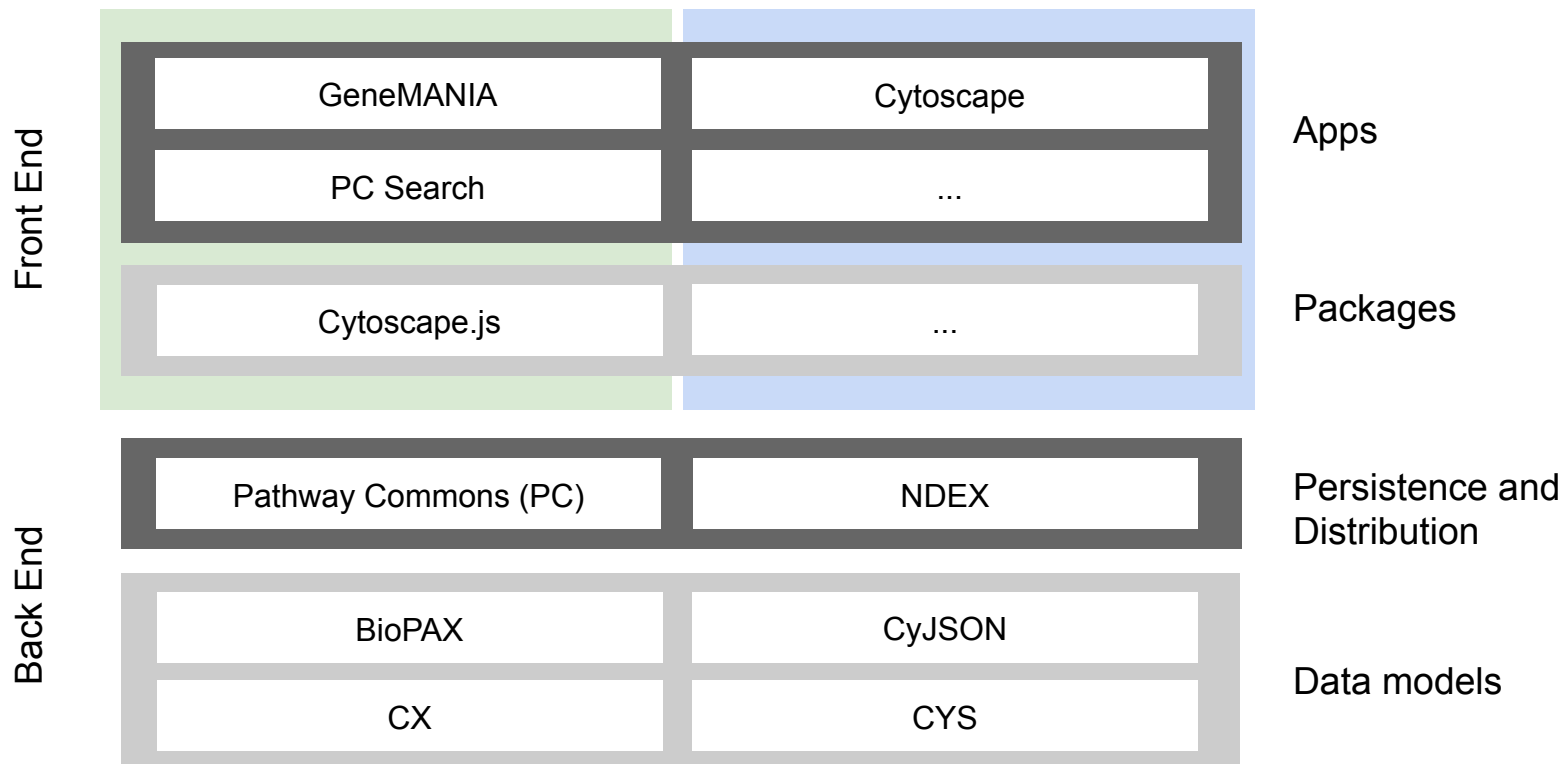


An ecosystem for network data

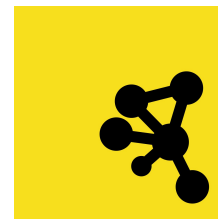
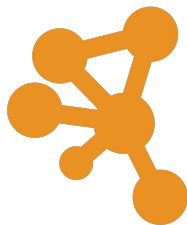
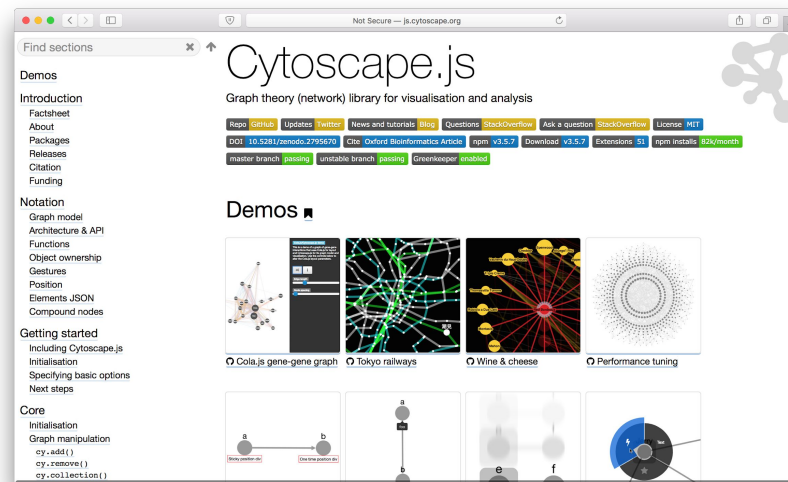
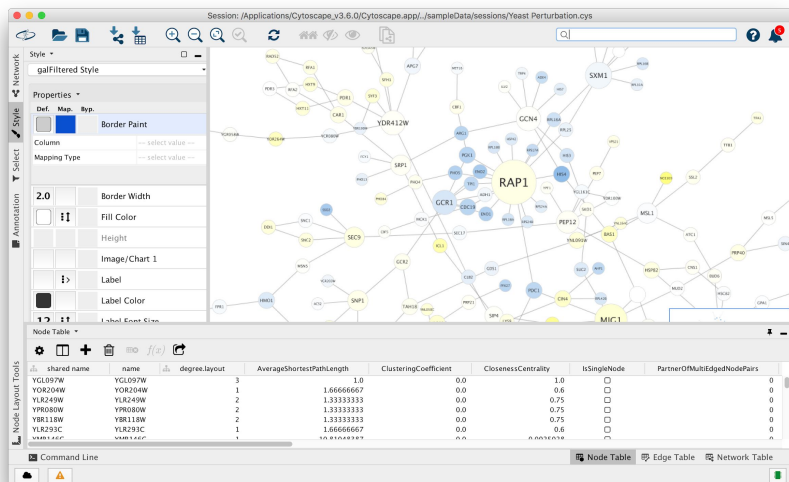
Biological network analysis and visualisation with
Pathway Commons, Cytoscape, & NDEX



Modelling, storing, and exposing the data



Expert tools



Novice tools

The screenshot shows the Pathway Commons Search interface. The search bar contains the query "pcna xrc2 xrc3 rad50 rad51". Below the search bar, there are sections for "Recognized genes (5)" and "Pathways (69)".

Recognized genes (5)

- PCNA**: proliferating cell nuclear antigen. GeneCards HGNC NCBI Gene UniProt
- XRCC2**: X-ray repair cross complementing 2. GeneCards HGNC NCBI Gene UniProt
- XRCC3**: X-ray repair cross complementing 3. GeneCards HGNC NCBI Gene UniProt
- R/R**: Ger

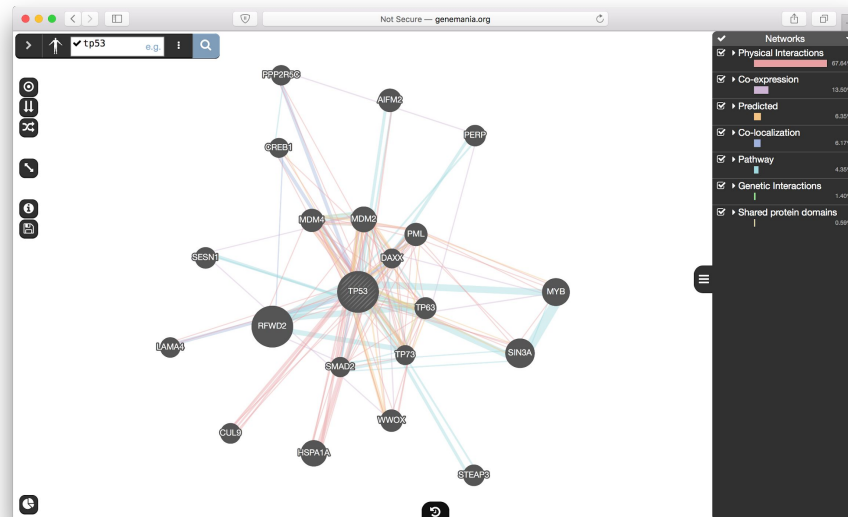
Pathways (69)

- Homologous DNA Pairing and Strand Exchange (Reactome, 48 Participants)
- HDR through Homologous (Reactome, 55 Participants)
- Presynaptic phase of hom (Reactome)

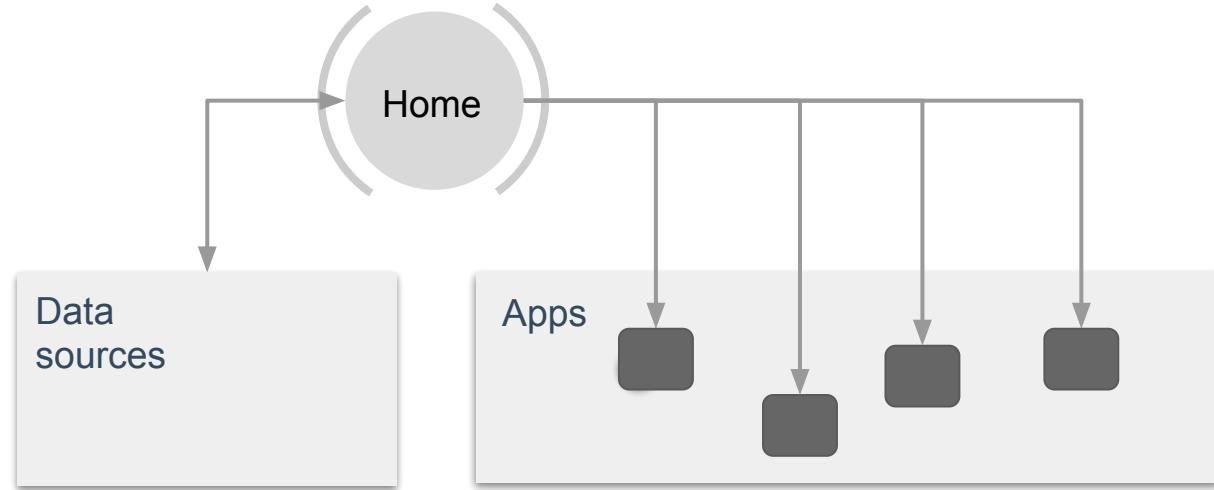
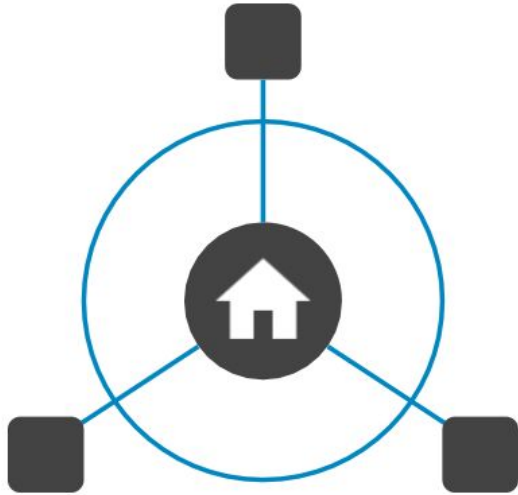
An inset window shows "Pathways enriched for PCNA, XRCC2 and 3 other genes". It displays three diagrams:

- Tags: repair
- Tags: telomere
- Tags: recombination

At the bottom, a detailed diagram is shown with the following tags: HDR Homologous Recombination HRR Strand Annealing Repair Resolution D-loop Structures DNA.

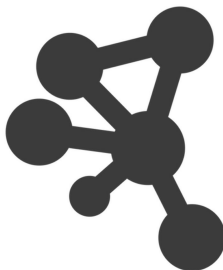


Unifying the ecosystem

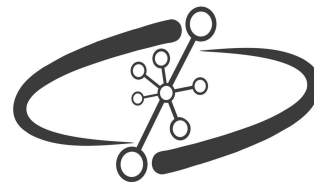




pathwaycommons.org



cytoscape.org
js.cytoscape.org



ndexbio.org