



Survey of Interaction Browsers

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Goal

Find a viewer to display simple interactions stored in Chado.



Interaction Browsers and Technology

- Graphbrowse
- BIND Interaction Viewer
- Cytoscape
- iBrowse
- BioGraphNet

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Graphbrowse

- Stan Letovsky
- Simple Node-Edge browser
- Perl CGI
- Already in GMOD
- Customized to read from Chado
- Not quite mature and not currently being developed

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BIND Interaction Viewer

- BIND
- Complex reaction viewer
- Java applet
- more complex than required

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Cytoscape

- Node-Edge interactions
- Java application
- Mature and supported
- Reads from flat files (SIF,GML formats)
- Chado to SIF and GML?

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iBrowse

- Kris Gunsalus, NYU
- Java Applet
- Currently under development
- Output cytoscape compatible files
- Chado Adaptor
- BioGraphNet support

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BioGraphNet

- Frank Gibbons, Harvard
- Distribution system for sharing simple interaction data
- Uses BioMOBY technology
- Easily shares simple interactions
- In talks with iBrowse developers

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Thank You

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