LaboraTree

Extensible basic research application and data management using the OpenSocial platform

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CHALLENGES FACED IN MOONEY LAB

• Creation of collaborative documents:
  – Manuscripts
  – Proposals
  – Etc

• Management of datasets
• Group and project emailing/messaging
• Shared Workspaces
• Platform for application development/hosting
SOLUTION: LABORATREE (http://laboratree.org)

Laboratree is a web based extensible collaboration platform. Laboratree allows the self-organizing of data including:

- Metadata
- Relationships
- Feeds
- Applications
- Blogs
- Documents
RELATIONSHIPS IN LABORATORY

Group A

Project #1

Project #2

Project #3

Project #4

Group Project

Scientist a

Group B

Project #1

Project #2

Scientist d

Scientist e

Scientist b

Scientist c

Group Member

Project Member

Colleague

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FINDING A SOLUTION

Problem
- Creation and Sharing of Collaborative Documents
- Management of Datasets
- Group and project emailing/messaging
- Shared Workspaces
- Platform for application development

Laboratree is an OpenSocial container, and can be extended using OpenSocial applications (apps). Apps are still in a work in progress and may not work correctly. If you are interested in developing an application, we recommend that you request to join the Laboratree/OpenSocial Application Developers User Group. If you would like to try your own application, you can try adding it here. However, if an app is added and it clearly is not working, we will likely remove it, after posting to the developers group. Click on the application image to launch, and the 'plus sign' to add to your profile. Thanks, good luck!

- PubMed Browser
  Application to browse and bookmark PubMed Articles.

- MutDB Minisearch
  The goal of MutDB is to annotate human variation data with protein structural information and other functionally relevant information, if available. The mutations are organized by gene.

- Wikipedia Search
  Easy to use wiki search in your own language. Search for any word or phrase in any Wikipedia dictionary or site. Simply enter the settings to set your preferred language and wiki you...

- Google Gadget Gateway to PubMed
g3p

- Stanford Open Biomedical Annotator
  Application to connect to the National Center for Biomedical Ontology’s Open Biomedical Annotator.

- MutDB Minisearch
  The goal of MutDB is to annotate human variation data with protein structural information and other functionally relevant information, if available. The mutations are organized by gene.
WHERE WE ARE AND WHERE WE ARE GOING

Where we are:
- Currently we have over 800 users in over 10 countries.
- There are 205 independent Groups and Projects.

Where we are going
- Future releases will include many new and useful OpenSocial applications.
- Laboratree will also have built-in wiki pages, discussion groups, and calendars.
- We will also be implementing an API.

http://laboratree.org