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MyJGI: Tools for Collaborators

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The JGI Informatics department launched http://my.jgi.doe.gov, aka MyJGI, in October of 2007. This new web site provides information and tools useful to collaborators with sequencing projects at JGI.

The site currently features three main areas:

- General Info: http://my.jgi.doe.gov/general

- Sample Info: https://my.jgi.doe.gov/csi

- Status Reporter: https://www.jgi.doe.gov/collaborators/status.php

The General Info area provides useful information to help users get started on a project with JGI, recommended protocols, JGI policies, and other resources. The Getting Started page offers step-by-step instructions for initiating a project. The protocols offer successful examples for preparing samples or libraries to be sent to the JGI. JGI's policies on project scheduling, finishing, publication, and data release are detailed in this area, and a sample user agreement is available for download.

The Sample Info area provides access to CSI – the Collaborator Sample Information tool. Prior to shipment of samples to the JGI, collaborators use CSI to provide project managers and scientists with information, such as gel image, volume and weight, required to get samples into the JGI pipeline efficiently. JGI project managers then use internal web forms to review and approve each sample for shipment. The process integrates with downstream systems such as the JGI Global Project Management Tracking System (GPTS) and LIMS. The Scientific and Institutional Applications Group (S&IA) created this system using the web technology Ruby on Rails. Data is stored in a MySQL database; the system also interfaces with the JGI GPTS Oracle based database system. In the future, we plan to offer increased integration between CSI and GPTS, as well as support for metagenomic projects and projects focused on new technologies.

The Status Reporter area provides collaborators with real-time information about the status of each of their sequencing projects. For most projects, the status report includes detailed information about the planned lifecycle of the project as well as release dates and other milestones. We have recently added full support for eukaryote projects, and all active projects now show at least basic sequencing status information. Once a collaborator logs in, they are presented with a list of their own proposals, from which they can select one to view status information. A single click brings up the status information for all projects that are part of that proposal. If the collaborator has only one proposal, the project view pops up immediately after login. The CSR was also created by the S&IA group, and was written in PHP with dynamic use of CSS.

Note: The Sample Info and Status Reporter areas are available only to current collaborators and require a user name and password to access. Collaborators may request a login from their JGI project manager. We have recently implemented single sign-on for MyJGI, so that a user who has logged in to use either the Sample Info area or the Status Reporter can use the other without logging in again.

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