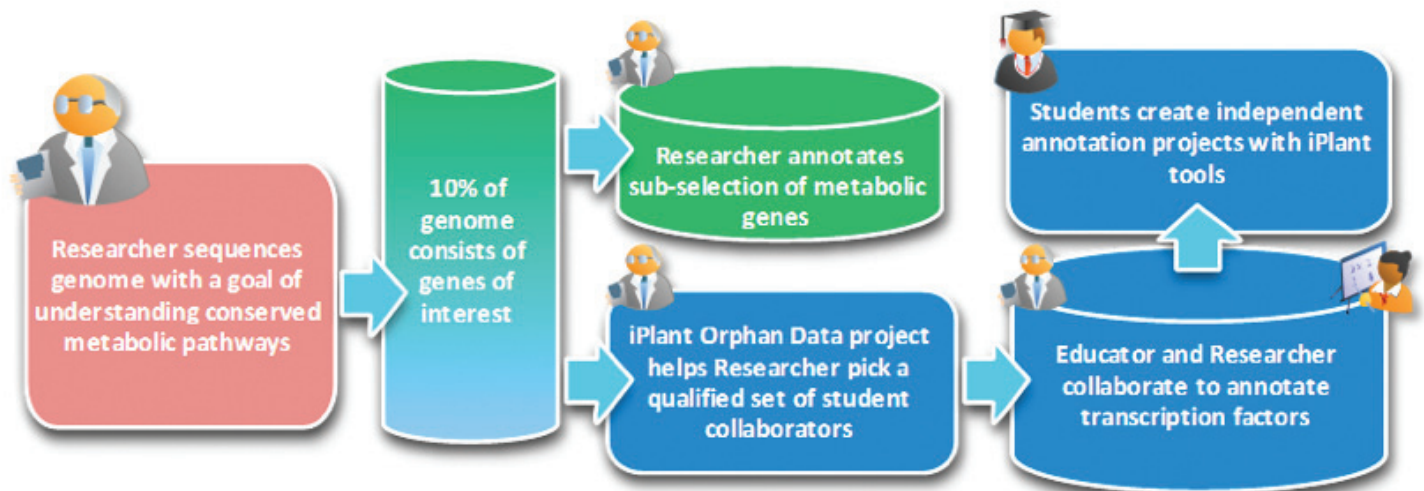


iPlant Education, Outreach, and Training: Orphan Data Collaborations



This project supports distributed research by connecting plant scientists who have under-utilized datasets with faculty and students who wish to work with “real” data. An online “marketplace” will index projects with descriptions of the data available and suggestions for how they can be used for class or independent research projects. The site will also include networking tools to allow collaborators to coalesce around datasets.

Sample “Next-Generation Sequencing” Workflow



Selected Project Objectives

- Create a web-based resource that allows researchers and educators to create and manage distributed **in vitro** and **in silico** research projects.
- Enable researchers to easily incorporate outreach and educational activities into a variety of investigations, especially where students can be included in manual curation of datasets.
- Lower the “barrier-to-entry” to allow datasets (e.g. next-generation sequencing reads and other high-throughput data) to be exploited more broadly in valid, complementary research projects.
- Allow researchers to define their “comfort level” of involvement in student projects -- from simply making data available to full-scale collaborations.

Have ideas? Interested in collaboration on this project? Contact Jason Williams: williams@cshl.edu

