

# Learning Materials Table of Contents

Welcome to the home of the CyVerse **Learning Materials** space. It is open to the public. If you're visiting here to see what's available, or if you want to learn more about how to do something, this is the place. This space contains tutorials and links to YouTube videos that instruct users how to use the CyVerse apps and platforms.

## About tutorials

Tutorials in this space were created and are managed by the tutorial's author. For questions about a tutorial, please contact the person listed as **Added by** at the top of each tutorial page.

To view the full list of tutorials, see the [Tutorials List](#).

**For help on adding a tutorial or item to this space**, please see [Creating a Tutorial in the Learning Materials Space](#). This is the place to put your tutorials for use by others. Instructions are included for hiding the content until it's ready for prime time, as well as how to edit and use this wiki.

## Feedback, questions, support

- **Ask CyVerse:** Your go-to place for asking questions, viewing questions and answers submitted by other users, and providing feedback about CyVerse in order to enhance direct communication between CyVerse staff, collaborators, and the wider community. For information on using Ask, see [Using Ask CyVerse](#). Access Ask CyVerse at <http://ask.cyverse.org/questions/>.
- **Submitting a Help Request and contacting Support:** Help is available in each platform, but all the scoop is on the [Get Help](#) page on the website.
- **Using JIRA at CyVerse:** Entering, editing, and tracking issues in JIRA, CyVerse's issue-tracking system.

## Social media

- [CyVerse Facebook page](#)
- [LinkedIn](#)
- [Twitter @CyVerse](#)
- [Google+](#)

Helpful Links
<b>This Page Contains:</b> <ul style="list-style-type: none"><li>• <a href="#">About tutorials</a></li><li>• <a href="#">Feedback, questions, support</a></li><li>• <a href="#">Social media</a></li><li>• <a href="#">General learning materials</a><ul style="list-style-type: none"><li>• <a href="#">Atmosphere</a></li><li>• <a href="#">Bisque Image Analysis System</a></li><li>• <a href="#">Data Store</a></li><li>• <a href="#">DNA Subway</a></li><li>• <a href="#">Agave API and TACC/XSEDE</a></li><li>• <a href="#">TNRs (Taxonomic Resolution Name Service)</a></li></ul></li></ul>
<b>This Space Contains:</b>

## General learning materials

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Name	Description	Source
Tutorials and workflows	See <a href="#">Tutorials List</a> .	
<a href="#">CyVerse YouTube webinar</a>	Variety of CyVerse tutorials ranging from overviews about the Discovery Environment to more in-depth videos about RNAseq, DNA Subway, Atmosphere, data management, workshop videos and webinars, and more.	YouTube
<a href="#">Getting Started with CyVerse Home</a>	Information about registering and managing your CyVerse account, CyVerse mailing lists, using the CyVerse Data Store, using the CyVerse bug-tracking system, FAQs, and more.	CyVerse Wiki
<a href="#">CyVerse Library</a>	Repository for all types of media created within CyVerse, as well as for publications citing CyVerse, lists of software contributions made by CyVerse staff, and more.	CyVerse Wiki
<a href="#">Introduction to CyVerse</a>	Overview and New Release Updates	CyVerse YouTube video (Pub. 11/2013)

## Atmosphere

### *CyVerse's cloud-computing platform*

Name	Description	Source
<a href="#">Atmosphere Manual</a>	Help documentation for using Atmosphere	CyVerse Wiki
<a href="#">Atmosphere tutorials</a>	Tutorials used to help you learn how to use different Atmosphere images and apps on the images.	
<a href="#">Atmosphere Quick Start video</a>	Getting started	CyVerse YouTube video (Pub. 1/2013)
<a href="#">Atmosphere: Data transfer, Volumes, and Imaging</a>		CyVerse YouTube video (Pub. 2/2014)
<a href="#">Atmosphere: Launching, connecting, suspending, terminating instances</a>		CyVerse YouTube video (Pub. 2/2014)
<a href="#">Atmosphere: Minute Tour</a>		CyVerse YouTube video (Pub. 2/2014)
<a href="#">Atmosphere: Using an EBS Volume</a>	CyVerse YouTube video (Pub. 6/2011)	
<a href="#">BATools 0.0.1</a>	Atmosphere image that has R version 3.0.1 installed. BATools, an R package for Whole Genome Prediction, is also installed on this image.	CyVerse Wiki
<a href="#">Installing R packages on Atmosphere</a>	Intended to teach users how to install R packages on Atmosphere. These packages could be publicly available on CRAN, or they could be packages developed for personal use. Although this tutorial is specific to R packages, many of the same principles also apply when installing other software on an Atmosphere instance.	CyVerse Wiki
<a href="#">ValidateToolkit-0.3 Tutorial</a>	Intended to teach users how to validate GWAS applications on Atmosphere using Simulate and Validate. This Atmosphere image is publicly available as ValidateToolkit-dalanders-0.3.	CyVerse Wiki

## BisQue Image Analysis System

Name	Description	Source
<a href="#">Using the BisQue Image Analysis System</a>	Advanced image database and analysis system for biological 5D images. Bisque supports large-scale image databases (TB to PB), flexible experimental data management, metadata- and content-based search, analysis integration, and knowledge discovery.	CyVerse Wiki
<a href="#">Overview of Bisque module integration</a>	Key concepts involved in the process of integrating a new image analysis module into the BisQue platform.	CyVerse Wiki

## Data Store

### *iPlant's data repository*

<a href="#">Data Store Quick Start Manual</a>	iPlant Wiki
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## DNA Subway

### *Scientific tools and data in interface to make high-level genome analysis broadly available to students and educators*

Name	Description	Source
<a href="#">DNA Subway login</a>		CyVerse website
<a href="#">DNA Subway Introduction</a>	Introduction to DNA Subway	CyVerse YouTube video
<a href="#">DNA Subway user guide (PDF)</a>	User Guide	CyVerse Wiki
<a href="#">DNA Subway: Red Line</a>	Using the Red Line to predict/annotate genes in up to 150kb of DNA	CyVerse YouTube video (Pub. 2/2014)
<a href="#">DNA Subway: Red Line Walkthrough</a>	June 2014	PDF: CyVerse Wiki
<a href="#">DNA Subway: Yellow Line</a>	Using the Yellow Line	CyVerse YouTube video
<a href="#">DNA Subway: Blue Line Refresher webinar</a>	Using the Blue Line Refresher webinar	CyVerse YouTube video
<a href="#">DNA Barcoding Techniques Refresher</a>	Barcoding	CyVerse YouTube video
<a href="#">Urban Barcode Project website</a>	Barcoding	Urban Barcode Project website
<a href="#">DNA Barcoding 101 website</a>	Barcoding	DNA Barcoding website

## Agave API and TACC/XSEDE

### *Application programming interface for the CyVerse cyberinfrastructure*

Name	Source
<a href="#">Getting Started with iPlant and HPC</a>	CyVerse Wiki
<a href="#">TACC user portal login and registration</a>	TACC website
<a href="#">XSEDE user portal and online training materials</a>	TACC website
<a href="#">iPlant-XSEDE users group mailing list</a>	iPlant website

## TNRS (Taxonomic Resolution Name Service)

Learning materials for TNRS are embedded in the [TNRS app](#).