

This lists all online GMOD tutorials. See [Training and Outreach](#) for other types of GMOD-related training.

<b>Component</b>	<b>Title, Description</b>
	<a href="#">Apollo Tutorial 2011</a> The Apollo session from the <a href="#">2011 GMOD Spring Training</a>
	<a href="#">Apollo Tutorial 2010</a> The Apollo session from the <a href="#">2010 GMOD Summer School - Americas</a> .
<b><a href="#">Apollo</a></b>	Apollo tutorials at the <a href="#">Dynamic Gene</a> web site. Flash based tutorials on how to use Apollo, using rice as an example. Sections of particular interest are <ul style="list-style-type: none"><li>◇ <a href="#">Annotation</a> - how to use Apollo</li><li>◇ <a href="#">Resources</a> - how to download sample data and install Apollo on an MS Windows system.</li></ul>
	<a href="#">Apollo user guide</a> The current user guide, which has comprehensive instructions for installation and usage of Apollo.
<b><a href="#">BioMart</a></b>	<a href="#">BioMart Tutorial</a> Based on the BioMart workshop at the <a href="#">October 2011 GMOD Meeting</a> .
	<a href="#">Chado Tutorial</a> Based on the Chado session from the <a href="#">2013 GMOD Summer School</a> .
<b><a href="#">Chado</a></b>	<a href="#">Artemis-Chado Integration Tutorial</a> Based on the session of the same title from the <a href="#">2009 GMOD Summer School - Europe</a> .
<b><a href="#">GMOD in the Cloud</a></b>	<a href="#">AWS walkthrough</a> A gentle introduction to getting a machine up and running on the Amazon Cloud
<b><a href="#">CMap</a></b>	<a href="#">Tutorial @ Gramene</a>
<b><a href="#">Galaxy</a></b>	<a href="#">Galaxy Tutorial</a> As taught at the <a href="#">2013 GMOD Summer School</a>
	<a href="#">Galaxy Learning Hub</a> A wealth of training materials, including: <ul style="list-style-type: none"><li>◇ <a href="#">Galaxy 101</a></li><li>◇ <a href="#">Screencasts</a></li><li>◇ <a href="#">Shared Pages, Histories &amp; Workflows</a></li><li>◇ <a href="#">Other Tutorials</a></li><li>◇ <a href="#">Working With Datasets</a></li><li>◇ <a href="#">and more!</a></li></ul>
	<a href="#">RNA-Seq Example</a> An introduction to NGS processing (specifically RNA-Seq) with <a href="#">Galaxy</a> .
	<a href="#">OpenHelix Galaxy User Tutorial</a>

A Flash based tutorial on using Galaxy. Provided by [OpenHelix](#). Tutorial includes slides, handouts and exercises. Requires subscription.

[GBrowse tutorial from 2012 GMOD Summer School](#). This relies heavily on the [GBrowse2 Admin Tutorial](#).

Demonstrates setting up, configuring and using [GBrowse](#) with some sample data. GBrowse is provided on an Amazon Machine Image; see [GMOD in the Cloud](#) for more information on getting a GMOD AMI.

[GBrowse tutorial from 2010 GMOD Summer School](#)

Set up and run [GBrowse](#) with sample data. It provides a VMware image to work on, and relies heavily on the [GBrowse2 Admin Tutorial](#).

[GBrowse2 Admin Tutorial](#)

Step by step guide on how to configure and load data into [GBrowse](#). Administration tutorials are available for both the [GBrowse2 Admin Tutorial](#), and the earlier [1.x versions](#).

## **GBrowse**

[Usage tutorial](#)

GBrowse usage tutorial

[GBrowse NGS Tutorial](#)

Instructions on how to visualize [next generation sequencing](#) data in GBrowse using [SAMtools](#). The tutorial includes a starting VMware image, and uses the example data that comes with SAMtools.

[GBrowse video tutorial](#)

Produced by [EuPathDB](#); please direct praise and thanks to them!

[GBrowse User Tutorial](#) at [OpenHelix](#)

A Flash based tutorial on using GBrowse. Provided by [OpenHelix](#). Tutorial includes slides, handouts and exercises. NB: this tutorial is for [GBrowse 1.x](#)

## **GBrowse\_syn**

[GBrowse\\_syn Tutorial](#)

Installing and configuring GBrowse\_syn; from the [2013 GMOD Summer School](#)

## **GFF3**

[GFF3](#)

Introduction to and documentation of the GFF3 format

[JBrowse Tutorial](#) covering installation and configuration part of the [2013 GMOD Summer School](#)

## **JBrowse**

[Getting Started with JBrowse Tutorial](#)

part of the JBrowse documentation

[Exploration of structural variation in the tomato clade using JBrowse](#)

Tutorial explaining how to browse structural variants from the 150+ tomato genome resequencing project (<http://www.tomatogenome.net>) using JBrowse

## **MAKER**

[MAKER Tutorial](#)

taught as part of the [2013 GMOD Summer School](#)

## **Pathway Tools**

[Pathway Tools slides](#)

Category:Tutorials

General information about Pathway Tools, including slides from tutorials and user guides

Upcoming Events

Pathway Tools tutorials and workshops

**SOBA**

SOBA Tutorial

taught as part of the 2013 GMOD Summer School

Tripal Tutorial v1.1

used during the 2013 GMOD Summer School

Tripal Tutorial (v1.0)

used during the 2012 GMOD Summer School

**Tripal**

Tripal Tutorial (v0.3.1b)

The full v0.3.1b tutorial

Tripal Tutorial (v0.3.1b VM)

for use with the Tripal virtual machine

Tripal Tutorial (pre version 0.3b)

from the 2010 GMOD Spring School

**WebApollo**

WebApollo Tutorial

taught as part of the 2013 GMOD Summer School