



# Galaxy Training

## A powerful framework for teaching!

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### Training

There is an ongoing explosion of scientific datasets being generated, brought on by recent technological advances in many areas of the natural sciences. As a result, the life sciences have become increasingly computational in nature, and bioinformatics has taken on a central role in research studies. However, **basic computational skills, data analysis, and stewardship are still rarely taught** in life science educational programs, resulting in a skills gap in many of the researchers tasked with analyzing these big datasets.

### A collection of FAIR training materials

The Galaxy Training Network (GTN) has developed the Galaxy Training Platform (<https://training.galaxyproject.org>), an **open access, community-driven** framework for the collection of **FAIR training materials** for data analysis utilizing the user-friendly Galaxy framework as its primary data analysis platform.

35+  
Topics

370+  
FAQs

580k+  
Visits/year

350+ Tutorials

Rich metadata

Structured content

- Theory and analysis explanation
- Hands-on to apply the concepts
- Formative assessment question

Strong technical support

- Galaxy servers with needed tools
  - Available data
  - Workflow
  - Recordings
  - Frequently Asked Questions
- Community oriented
- Translation
  - Highlighted contributors and funding
  - Embedded feedback form
  - Community support chat

300+  
Contributors

2150+  
Feedback

& many other features:  
Learning paths, Notebooks, Video slides, Automatic accessibility, Choose Your Own Adventures, etc

### TIaaS

**Training Infrastructure as a Service** (TIaaS) is a **free** service providing a **dedicated job queue** for the participants of training events, in order to reduce waiting times on the cluster and ensure courses run smoothly and efficiently.

Since 2018:

460+  
Events

24k+  
Students

The TIaaS service also provides instructors with a **dashboard**, enabling them to monitor the progress of the participants.

### Massive, online & worldwide training events with GTN Smörgåsbord

Since 2021, GTN organizes GTN Smörgåsbord: a **free, online, self-paced, and choose-your-own-adventure** style training events.

220+  
Videos

130+  
Hours  
of recordings

130+  
Instructors

7k+  
Registrations

This year we have partnered with BioConductor and the RO-crates team to deliver bioinformatics training that goes beyond the Galaxy!

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