

Galaxy @ Bio-IT World 2014

Tuesday, April 29, 2014

W4: Analyzing NGS Data in Galaxy A Hands-on Workshop

Tues 8:00-11:30

Anushka Brownley, Nate Coraor, *et al.*

Analysis of data has become the bottleneck in working with next-generation sequencing. Galaxy is one of the most popular open-source platforms for NGS data analysis because it enables scientists with little bioinformatics and programming capabilities to access many complex computational tools. This workshop will introduce Galaxy and all its functionality and also discuss how to use Galaxy to perform some of the more common NGS data analysis tasks, such as RNA-Seq.

Please bring a laptop to participate in the tutorial.

W14: Running a Local Galaxy Instance

Tues 12:30-4:00

Adam Kraut, Nate Coraor, *et al.*

Many organizations choose to host their own Galaxy instances to enable customization of Galaxy to their own needs. However, it can be challenging to choose the correct infrastructure to host Galaxy and configure Galaxy to run efficiently. This workshop will discuss some of the challenges and describe the best practices for installing and managing your own Galaxy instance.

Please bring a laptop to participate in the tutorial.

Wednesday, April 30, 2014

Next Generation Sequencing Workflow Overview from a High-Performance Computing Point of View

Wed 12:15-12:40, Carlos P. Sosa

Bringing the Big Brain Computer to the Cloud SGI UV for Cloud-Based Genomics Workflows

Wed 12:40-1:10, James Reaney

Thursday, May 1, 2014

Globus Genomics: An End-to-End NGS Analysis Service on the Cloud for Researchers & Core Labs

Thur 11:15-11:35 Ravi Madduri

Integrated Analysis and Visualization of Large- Scale Biological Data with the Refinery Program

Thur 2:00-2:30 Nils Gehlenborg

Web-Based Visualization and Visual Analysis for High-Throughput Genomics with Galaxy

Thur 2:30-3:00 Jeremy Goecks

The Galaxy Project

Galaxy is an open source web-based platform for data integration and analysis in life sciences research. The Galaxy Project is supported by a large and active community.

<http://galaxyproject.org>



GALAXY

COMMUNITY CONFERENCE

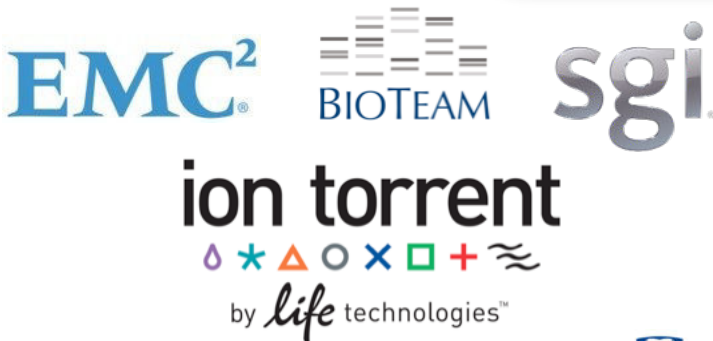
BALTIMORE, MD | JUNE 30 - JULY 2, 2014



Galaxy is an open, web-based platform for data intensive biomedical research that enables bioinformaticians and bench scientists alike to create, run, refine, and share analyses. This annual event engages a community of biologists, developers, data producers, core facilities staff, and tool creators, all working towards addressing the challenges of big data in biological research. GCC2014 will start with a training day, followed by two full days of presentations, lightning talks, posters, birds-of-a-feather gatherings, and exhibitors.



Galaxy : Data intensive biology for everyone



Feb 14	Abstract submission opens	Key Dates
Feb 14	Early registration opens	
April 4	Talk abstract deadline	
April 25	Poster abstract deadline	
May 23	Early registration closes	
June 6	Regular registration closes	
June 28	Hackathon starts	
June 30	GCC2014 Training Day	
July 1-2	GCC2014 Conference	



<http://galaxyproject.org/GCC2014>