Hack the Galaxy@GCC2017

User & Dev
Hackathons Hack the Galaxy

Community building rather than coding competition

No prizes (just the satisfaction of contributing to Galaxy)

Any good will is welcome

No imposed theme (other than Galaxy)
Numbers

80 participants (50 expected!)

Pull Requests/Issues:

5 IUC

24 galaxy

18 training

...  

55 pizzas (Corum record!)
Tools

Tools wrapped, Conda packages

ChIP-seq

Annotation

Metagenomics
Galaxy Genome annotation

Updated Tripal tools

Bug fixes for Apollo and its docker image

RDF/SPARQL with AskOmics + link with JBrowse

New tools
ArrayExpress as data source in Galaxy through BioSamples
Training material

- ATAC seq
- metaproteomics
- Galaxy tours
- small RNA seq
- ...

...
Galaxy tour builder

https://github.com/tailordev/galaxy-tourbuilder
New ChIP-Seq Galaxy flavor example

Requirements:
Docker toolbox for MacOS + Galaxy stable image: (bgruening/galaxy-stable)

Get a galaxy-stable image with Kitematic

Install the tools required for ChIP-Seq analysis

Generate a tool list (.yaml) using webhook

Create a workflow (easy way is using history)

Publish the image using a Dockerfile. Put dockerfile, workflow and tools list (.yaml) on GitHub.
and much more

- API to uninstall repo
- Python 2.x to 3.x
- Webhooks
- Tagging of Data Libraries
- Tool internationalization
- Ansible for reference data
- OpenBis integration
- Trackster
- Paste server replaced
- CWL/bio.toools/Galaxy descriptors
- Bug fixes...
2017 Feedback

More User and Dev hack interactions

- What we had this year was an improvement! Let’s keep it up!

Great opportunity to learn and get help

Idea: small group leaders
THANKS TO ALL!

Keep the PRs coming!