

Galaxy Seminar and Workshops: October 19

<http://bit.ly/iugxy>

Transparent, Accessible, Reproducible Biological Analysis with Galaxy

Special Seminar, 1:30-2:30pm, Jordan Hall 065

The widespread adoption of high-throughput techniques in biology has made working with large datasets a necessary and common task in biomedical research. Discovering meaning in these large datasets requires sophisticated bioinformatics tools, complex workflows, and computational infrastructure. The Galaxy Project (<http://galaxyproject.org/>) makes these tools accessible to a wide range of researchers, while ensuring that analyses are reproducible and can be communicated transparently to others. This talk will provide an overview of the Galaxy Project, and then discuss how Galaxy enables researchers to create, refine, share and reproduce their own bioinformatic analysis - using only a web browser accessing public servers or local compute resources, or by utilizing on-demand cloud infrastructures.

The talk is open to the public. No advance registration is required.

Galaxy for Biologists

Hands-on Workshop
3:00-4:30pm, Lindley 102

Are you a biomedical researcher who needs to do complex analysis on large datasets? Galaxy is an open, web-based platform for data intensive biomedical research that enables non-bioinformaticians to create, run, tune, and share their own bioinformatic analyses.

This workshop will teach participants how to integrate data, and perform simple and complex analysis within Galaxy. It will also cover data visualization and visual analytics, and how to share and reuse your bioinformatic analyses, all from within Galaxy. No programming or Linux / Unix experience is required.

Space is limited and advance registration is required.

Galaxy for Developers

Workshop and Open Discussion
8:30-Noon, PTI 015

This workshop introduces Galaxy for developers. This include covering the Galaxy API, Galaxy Architecture, configuring Galaxy for a production environment.

This will be less formal than the *Galaxy for Biologists* workshop and will cover topics that are of most interest to attendees. We will be joined remotely by members of the Galaxy development team.

Registration is open to any member of the Indiana University community. The workshop is free, but space is limited and advanced registration is required.

Additional details and registration are available at <http://bit.ly/iugxy>



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