**Tools for Reproducible Research Workshop (2020)**

**Note:** This workshop is an **online format** using **Zoom**.

**Next workshop dates and times:**

- **Tuesday, December 8th:** 9:30 AM - 12 PM
- **Friday, December 11th:** 9:30 AM - 12 PM
- **Tuesday, December 15th:** 9:30 AM - 12 PM

*Note: Registration will open about 2 weeks prior to the workshop dates, and the dates/times above may be updated at that time.*

**Description:**

This online hands-on workshop will instruct participants on several **best practices for reproducible research** in Bioinformatics, including:

- How to **generate reports** for your analyses using **RMarkdown**
- How to **track changes as you work on files** using a version control system called **Git** (**GitKraken** tool)
- How to **collaborate effectively, and disseminate code & other documents** using **Github**

**Prerequisites?**

This is one of our **advanced** workshops, and requires registrants to have attended the following **Basic workshop** offered by our training team within the last 6-8 months: **Introduction to R**

**FAQ** - I am fluent in R, but have not attended the above prerequisite workshop, can I still register?

**Answer** - Yes, you can register but **please do the following**:

- Complete the registration first
- Then email us **directly** at hbctraining@hsph.harvard.edu with a **detailed** description of your knowledge/experience in R. **Failure to do this step will prevent or delay you from being accepted into this advanced workshop.**

**Who should attend?**

Eligible* Harvard researchers who want to learn:

1. The benefits of using Rmarkdown reports for reproducibility
2. How to generate reports using the **knitr** package in R
3. Best practices for working with version control systems
4. How to set up Git repositories, record changes, and manage conflicts using GitKraken
5. How to work locally and remotely on GitHub

**Cost and Registration:**

There is a **non-refundable and non-transferable** $40 registration fee for this advanced workshop.

We will be accepting 35-45 participants on a first-come, first-served basis:

- If you are one of the first 35-45 **eligible** registrants, you will receive an email with a link to pay the (non-refundable & non-transferable) $40 registration fee.
- If you are **not** among the first 35-45 eligible registrants, you will be added to the waitlist and notified when we open registration for the next iteration of this workshop.

*NOTE: You will not have a reserved seat for this workshop until you pay the registration fee. Please make sure you pay within the time stated in that email, else you will lose your spot to someone on the waitlist.

**Eligibility requirements:**
To be eligible to attend this workshop you should fulfill at least one of the following criteria:

- Harvard Medical School researcher in a lab on the Quad, with grants administered by HMS
- Graduate student at the Harvard Medical School
- Researcher affiliated with the Dana-Farber / Harvard Cancer Center (DF/HCC).
- Harvard researchers whose PIs are associated with the HSCI as Principal or Affiliated faculty

If you are unsure of your eligibility, please register anyway and we will get back to you.

Registration is closed.

(Please check the eligibility requirements above prior to registering)

Questions

Please contact us at hbctraining@hsph.harvard.edu with any questions.