



Current Topics in Bioinformatics

presented by the

Harvard Chan Bioinformatics Core

Workshop materials:

<https://hbctraining.github.io/Training-modules/>

HBC training team: hbctraining@hsph.harvard.edu

HBC consulting: bioinformatics@hsph.harvard.edu

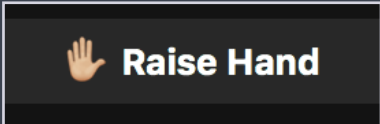
Training

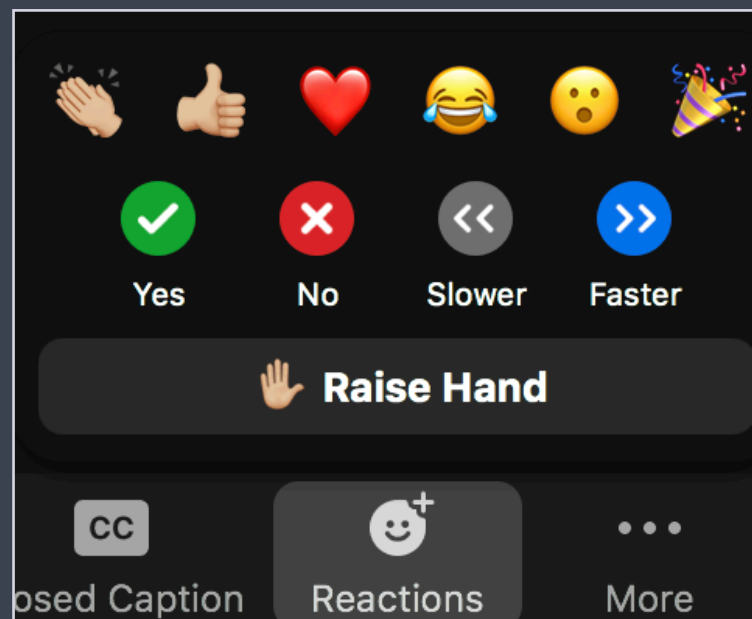
- **Basic Data Skills**
 - Introduction to **command line** (Unix) and **high-performance computing**
 - Introduction to **R**
- **Advanced Analyses of NGS Data**
 - Bulk RNA-seq
 - Single-cell RNA-seq
 - ChIP-seq
- Monthly, short workshops on various bioinformatics topics

Consulting

- **Transcriptomics:** RNA-seq, small RNA-seq, scRNA-Seq
- **Epigenetics:** ChIP-seq, genome-wide methylation, ATAC-Seq
- **DNA Variation:** WGS, resequencing, exome-seq and CNV studies
- **Functional enrichment** analysis
- **Exp. design help & grant support**

Odds and Ends

- ❖ Quit/minimize all applications that are not required for class
- ❖ Are you all set?
 -  = "agree", "I'm all set" (equivalent to a **green post-it**)
 - Type "X" in chat = "disagree", "I'm not ready" (equivalent to a **red post-it**)



Odds and Ends

- ❖ Questions for the presenter?
 - Post in the chat window to Moderator
- ❖ Technical difficulties?
 - Open the chat window and start a private chat with the *Troubleshooter* with a description of the problem.

Upcoming HBC workshop & events

Topic	Pre-requisites	Date/Time	Time	Registration
Basics of Python	None	8/10/2022	1 – 4pm	Register
R practice exercises	Online R resource from Harvard Catalyst	9/7/2022	1 – 4pm	Register
Generating reports with Rmarkdown	Online R resource from Harvard Catalyst	10/5/2022	1 – 4pm	Register
Introduction to Shell	None	11/2/2022	1 – 4pm	Register
Version Control using Git/Github	Shell	12/7/2022	1 – 4pm	Register

<https://bioinformatics.sph.harvard.edu/current-bioinformatics-topics-workshops>

Exit Survey

<http://tinyurl.com/hbc-modules>