# 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

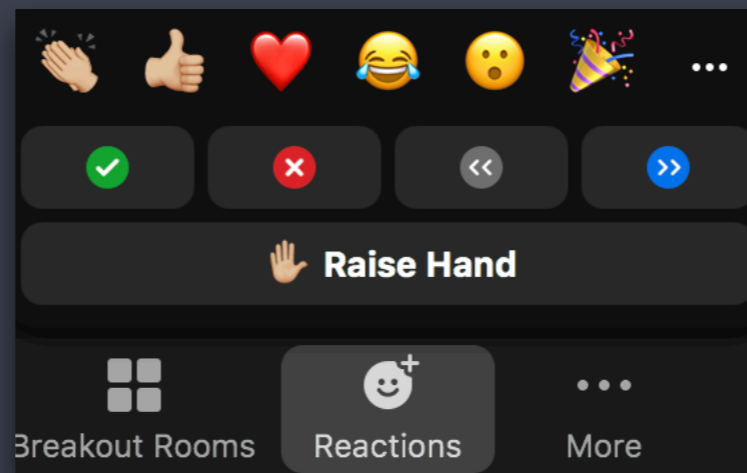*HBC consulting:* bioinformatics@hsph.harvard.edu

## 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**

**http://bioinformatics.sph.harvard.edu/**

# Odds and Ends (1/2)

❖ Quit/minimize all applications that are not required for class

❖ Captioning is available upon request

❖ Are you all set?

▸ [✅] = "agree", "I'm all set" (equivalent to a green post-it)

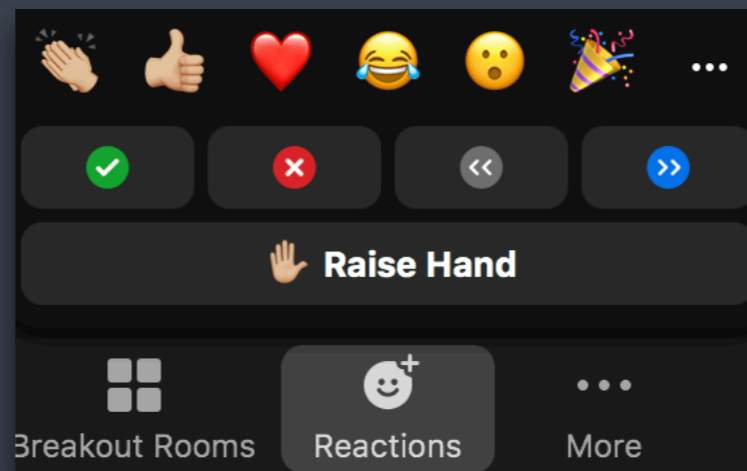▸ [❌] = "disagree", "I need help" (equivalent to a red post-it)

# Odds and Ends (2/2)

❖ Questions for the presenter?

- Post the question in the Chat window OR

- ✋ **Raise Hand**    when the presenter asks for questions

- Let the **Moderator** know

# Upcoming HBC workshop & events

## Short workshops: Current Topics in Bioinformatics

These workshops are free and open to all researchers at Harvard University and affiliated institutions.

- **Workshops** on bioinformatics methods & related skills.
- Once a month for 3 hours
- Hands-on workshops - be prepared with your MAC or Windows computer
- **Free and open to everyone at Harvard University and its affiliates**
- Will meet the **first Wednesday of the month** (with one exception) **online via Zoom**
- **Sign up at the links below to receive the workshop Zoom link**

| Topic | Pre-requisites | Date/Time | Time | Registration |
|---|---|---|---|---|
| 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