



NGS Data Analysis Course

Harvard Chan Bioinformatics Core

September - October 2018

<http://tinyurl.com/hbc-ngs-course-2018>

Course Scope



- ✓ Comprehend the nature of Next-Generation Sequencing (NGS) data
 - ✦ Multiple technologies
 - ✦ Caveats
 - ✦ Options and strategies
- ✓ Understand how tools and workflows for NGS-based analysis work
- ✓ Utilize these tools and workflows
 - ✦ Big data = Big Computational Requirements; what does this really entail?
 - ✦ UNIX command-line interface
 - ✦ R

Course Scope

- ✓ Implement best practices for the analysis of RNA-Seq (bulk and single cell), ChIP-Seq and Variant calling data
 - ✦ Experimental design
 - ✦ Quality control and Assessment
 - ✦ Reproducibility
- ✓ Become a resource for your group

Course Scope



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Thanks!

- Sarah Boswell
- Shannan Ho Sui, Rory Kirchner, Brad Chapman, Lorena Pantano & all the members of the core
- Kristina Holton and Andy Bergman from HMS-RC

Exit Survey

<https://tinyurl.com/survey-ngscourse-2018>

Thanks!

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- Kristina Holton and Andy Bergman from HMS-RC

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