

Introduction to R

Harvard Chan Bioinformatics Core

<https://tinyurl.com/introR-feb2018>



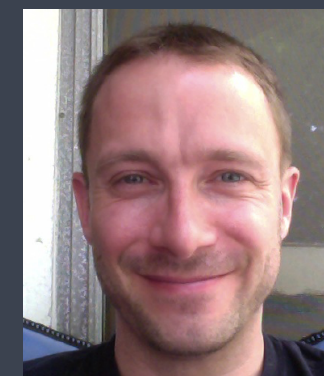
Shannan Ho Sui
(Director)



John Hutchinson
(Associate Director)



Brad Chapman



Rory Kirchner



Meeta Mistry



Radhika Khetani
(Training Director)



Mary Piper



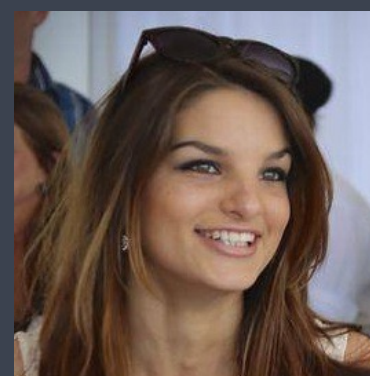
Lorena Pantano



Michael Steinbaugh



Victor Barrera



Kayleigh Rutherford

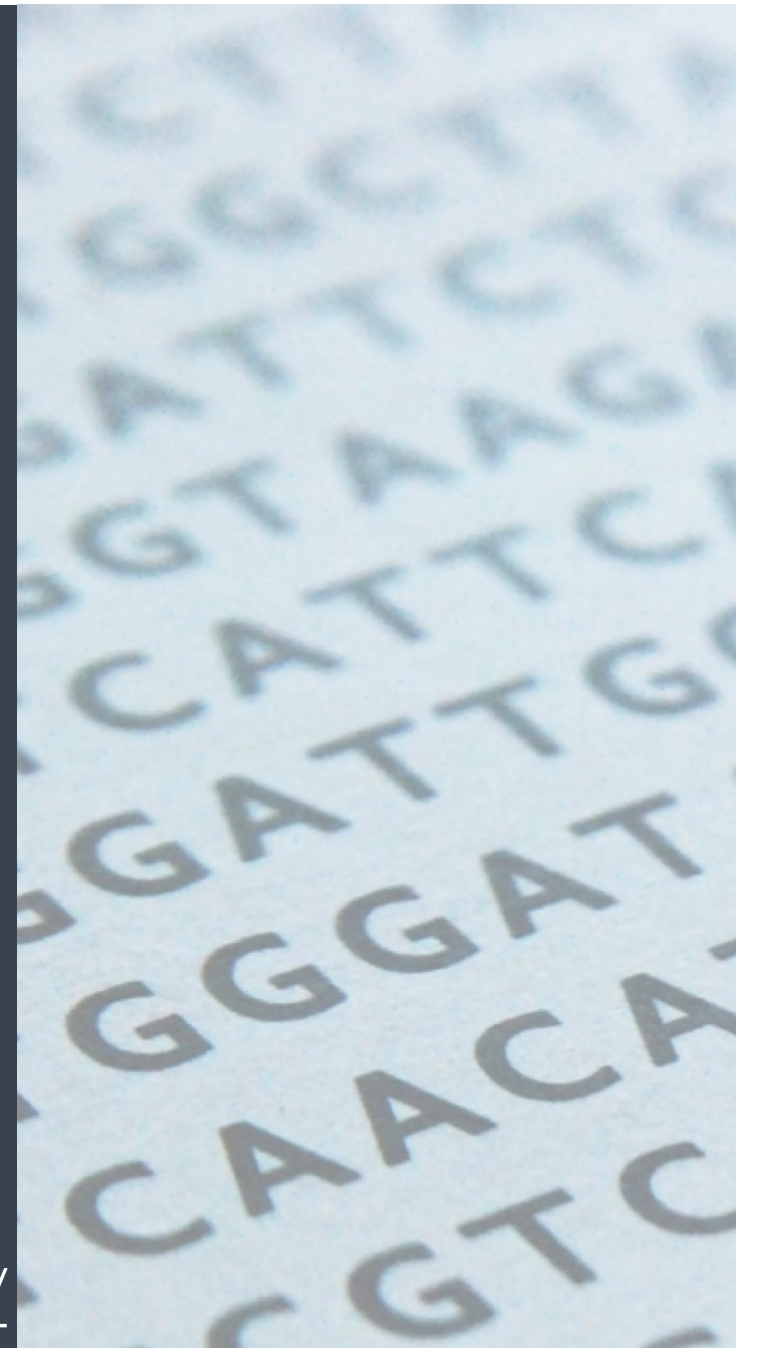


Peter Kraft
(Faculty Director)

Consulting

- RNA-seq, small RNA-seq and ChIP-seq analysis
- Genome-wide methylation
- WGS, resequencing, exome-seq and CNV studies
- Quality assurance and analysis of gene expression arrays
- Functional enrichment analysis
- Grant support

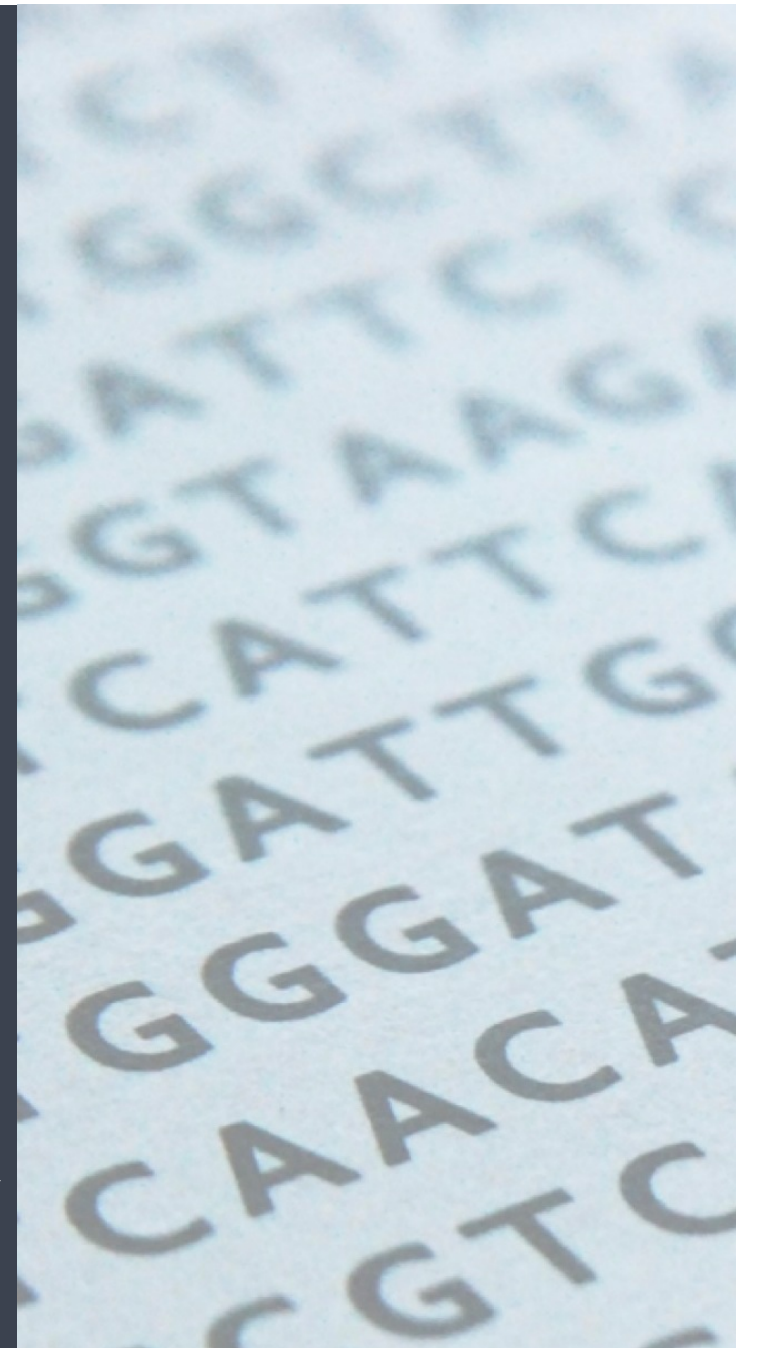
<http://bioinformatics.sph.harvard.edu/>



Training

- Short workshops on introductory, intermediate and advanced topics related to NGS data analysis
- Monthly, 2-3 hour, hands-on and free workshops on “Current Topics in Bioinformatics”
- In-depth courses (8- or 12-day formats)

[http://bioinformatics.sph.harvard.edu/training/
#upcoming-workshopscourses](http://bioinformatics.sph.harvard.edu/training/#upcoming-workshopscourses)





HARVARD
T.H. CHAN
SCHOOL OF PUBLIC HEALTH

HSCI
HARVARD STEM CELL
INSTITUTE



HARVARD
CATALYST
THE HARVARD CLINICAL
AND TRANSLATIONAL
SCIENCE CENTER



HARVARD
MEDICAL SCHOOL

NIEHS / CFAR
Bioinformatics
Core

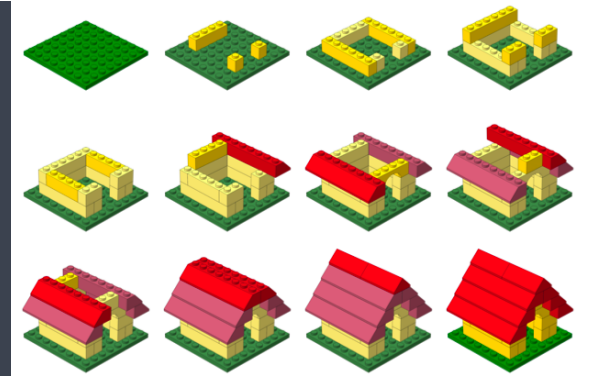
Center for Stem
Cell
Bioinformatics

Harvard
Catalyst
Bioinformatics
Consulting

HMS
Tools &
Technology

Workshop Scope...

Learning Objectives



- ✓ Become comfortable with RStudio (a graphical interface for using R)
- ✓ Fluently interact with R using RStudio
- ✓ Become familiar with R syntax
- ✓ Understand data structures in R
- ✓ Inspect and manipulate data structures
- ✓ Install packages and use functions in R
- ✓ Visualize data using simple and complex plotting methods

Contact us!

Training questions? hbctraining@hsph.harvard.edu

Consulting questions? bioinformatics@hsph.harvard.edu

Twitter: [@bioinfocore](https://twitter.com/bioinfocore)

These materials have been developed by members of the teaching team at the Harvard Chan Bioinformatics Core (HBC). These are open access materials distributed under the terms of the Creative Commons Attribution license (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

