

**DATA CARPENTRY**

MAKING DATA SCIENCE MORE EFFICIENT

Workshop on Next Generation Sequence Data

Stony Brook UniversityJanuary 19-20th, 2016

This two-day **Data Carpentry workshop** (www.datacarpentry.org) will cover the absolute basic skills needed to effectively work with large datasets created by Next Generation (high-throughput) sequencing. You will learn how to organize computational projects, use the command line to automate tasks, and visualize genomic data in R. The workshop will be taught by instructors experienced with analysis of next-generation sequence data, and presentations from resources like the *iPlant Collaborative (Workshop Sponsor)* will help you get started analyzing your data right away.

Workshop topics will include:

- Organization of computational biology projects
- Making use of Cloud and HPC resources
- Working with command line / Unix shell
- Understanding common file types (e.g. FASTQ, SAM/BAM, VCF)
- Visualizing genomics data in R

Target Audience: The course is aimed at graduate students and other researchers.

Contact: Please mail williams@cshl.edu for more information.

Fee: A \$20 fee will defray the costs of coffee/snacks. For waivers contact the organizer.

Register and see more details:

www.iplantc.org/dc2016