

Understanding the UNIX environment and interface is critical to using bioinformatics programs. This hands-on workshop will cover some of the basics of using UNIX, including basic UNIX commands, file manipulation techniques, and running programs on RCAC clusters.

The workshop comprises three sections, each of which addresses different levels of UNIX computing. The first section concentrates on teaching basic skills necessary to use the UNIX environment; the second section teaches necessary skills to perform routine file manipulations and the third section will serve as an introduction to the servers and computational resources available at RCAC/ITaP at Purdue as well as utilizing them to run some simple next generation sequence analysis programs.

Prerequisites for this workshop include: RCAC account (you will be given an account when you register for the workshop if do not already have one) and Windows/Mac with the secure shell or PuTTY installed (if you plan on bringing your own laptop).

The intended audience for this presentation is scientists and students who want to start using bioinformatics tools at Purdue but who have little or no experience working with Unix servers at the command line.

Some references and suggested reading:

UNIX and perl for biologists: http://korflab.ucdavis.edu/Unix_and_Perl

Gibas, Cynthia and Per Jambeck. "Developing bioinformatics computer skills" O'Reilly Media, Inc., 2001.

<http://www.ee.surrey.ac.uk/Teaching/Unix/>

Bioinformatics Core

**Introduction to UNIX for biologists
Bioinformatics Core at Purdue University**

8:30 to 11:30 AM, August 30, 2012

Nelson (Phillip E.) Hall of Food Science (NLSN) 1195

Purdue University

Arun Seetharam, Ph.D.
Post Doc, Bioinformatics Core
aseetharam@purdue.edu
(765) 494-3306

Jyothi Thimmapuram, Ph.D.
Bioinformatics Core Director
jyothit@purdue.edu
(765) 496-6252