Intro to Linux/Biocluster - March 2015

March 19 - Introduction to Linux

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Class materials

- **Presentation**
  - Answers to Linux exercises and questions that were brought up in class: ANSWERS
- **Linux cheat sheet**
- **Getting on a UNIX-based terminal**

Linux resources

- **Beginner self-guided tutorials for extra practice**
  - Tutorial from the book *UNIX and Perl to the RESCUE!*
    - Parts 1 and 2 cover UNIX
      - http://korflab.ucdavis.edu/Unix_and_Perl/current.html#part2
  - SIB tutorial
    - If it asks you to log in, just log in as a "guest user"
    - Click on "UNIX elearning module" at the bottom to get started
  - University of Surrey tutorial
    - http://www.ee.surrey.ac.uk/Teaching/Unix/
  - Ryan's Tutorials
    - http://ryanstutorials.net/linuxtutorial/

- **Books**
  - *UNIX and Perl to the RESCUE!* by Keith Bradnam & Ian Knorf
  - *Developing Bioinformatics Computer Skills* by Cynthia Gibas & Per Jambeck
  - *Linux Pocket Guide* by Danial J. Barrett
  - *Beginning Shell Scripting* by Eric Foster-Johnson, John C. Welch, & Micah Anderson
  - *Learning the bash Shell* by Cameron Newham
  - *bash Cookbook* by Carl Albing, JP Vossen, & Cameron Newham

Software

- **PuTTY**: Allows remote access from a Windows computer to a Linux based terminal.
  - http://www.putty.org/
- Ma already has a UNIX-based terminal pre-installed. You can find it in Applications -> Utilities -> Terminal

March 20 - Introduction to Biocluster

- **Class materials**
  - Dan's Presentation (Slides from March 20, 2015)
  - Biocluster help page
  - How to submit a cluster job
• qsub script generator