SOFTWARE NEEDED

Summer 2017 Boot Camp Participants will be using their own laptops for their project research and visualizations. While most of the research will use online resources, some applications will need to be installed locally on these computers. Please review the following list to prepare your computer for the boot camp activities.

1. **Browser**:

Your laptop computer (Windows, Mac, or Linux) should be able to run a current-generation web browser such as Firefox, Google Chrome, Safari, or Internet Explorer.

2. **Java**:

You will need the latest version of Java installed on your computer. To check if your computer has Java software installed already:

   a. Click this link to open a page from the rcsb.org website
   b. Look for any warning messages or requests for permission and allow the browser to start Java. If you are asked to allow – click on the allow button
   c. Wait a few seconds, scroll down a bit, and you should see a square black box with a multicolored molecular structure which you can rotate with your mouse. Success! You have Java installed.
   d. If you don't see a molecule after acknowledging all warnings and waiting for half a minute, try installing Java yourself.

If you want to try installing Java yourself:

   a. If your web browser or operating system has a "check for updates" option, allow it to run and install any updates it offers
   b. Restart your browser and follow this link to Download Free Java Software: http://java.com/en/download/index.jsp
   c. Follow the prompts and instructions for your operating system and browser.
   d. Try the steps above to test Java again
   e. Alternatively, you can go to www.java.com to download the latest version of java and run the installer.

3. **UCSF Chimera**:

The software is free for academic use.

To download the Windows or MAC version of the program and for documentation go to:
http://www.cgl.ucsf.edu/chimera/download.html

Once the software is installed on the computer, you should be able to click on the program icon and launch it. You will see a black box with some menus on the top and a registration box. We will discuss the next steps in class.

4. **Making documents, spreadsheets and slides**:

Please make sure that you have your favorite word-processing, slide-making/presenting and spreadsheet software installed on your computer. Note that the research will be collaborative and you will be required to share data, files etc. Please make sure that you are using tools that are common and compatible with other operating systems. For example, Word, Powerpoint, and Excel are some commonly used tools.

NOTE: Although not required, you may want to bring the power supply cords for your computer and an external mouse (if you prefer to use it). Actually, the external mouse is quite handy in running some of the UCSF Chimera commands.