Instructions for preparing for the use of XCMS on your laptop

We expect that you will have already downloaded the statistical package R and the software package Rstudio onto the laptop you bring to the workshop. Since you may have IT administrators who will deal with the downloading and installation of new programs, please complete this as soon as possible. Contact Steve Barnes at sbarnes@uab.edu if you have any questions.

1. **Downloading R**
   a. Enter on your browser "R software download"
   b. This will take you to http://www.r-project.org/ - click on it and go to Download
   c. Select the server at http://mirrors.nics.utk.edu/cran/
   d. Select the version for the operating system you use
      i. Mac users should check which version of OS they have – follow the instructions on the screen – it's a 65 MB file – **go to step 1.e**
      ii. Windows users should choose their version of Windows – **go to step 1.f**
   e. (Mac users) Double click on the R-latest.pkg file in Downloads
      i. This launches the Installer – follow the instructions
      ii. R is installed in Applications – **go to step 2**
   f. (Windows users) Click on "Download R for Windows"
      i. Choose Base and then "Download R 3.1.2 for Windows".
      ii. Download the .exe file and run after it's completed. R will now be seen in the start bar.

2. **Downloading Rstudio**
   a. Enter on your browser "Rstudio download" and go to www.rstudio.com
   b. Click on Download the IDE for R
   c. If a PC-Windows user, skip to **step 2.f**
   d. (Mac Users) Download Rstudio v0.98.1091
   e. (Mac users) double click the .dmg file and follow the instructions of the installer program **– go to 3**
   f. (Windows users) Download the package under the "Recommended for your system"
   g. This will download an .exe file; run and follow the directions.

3. **Getting ready to run**
   a. Windows users skip to **step 3.e**
   b. (Mac Users) locate Rstudio in **Applications**
   c. Double click "Rstudio"
   d. Program is ready to use – we will provide code in the workshop to run XCMS locally

e. (Windows users) go to start
f. Locate Rstudio in **Programs**
g. Double click Rstudio - program is ready to use – we will provide code in the workshop to run XCMS locally