Requesting an account from the Alabama Supercomputer Center (ASC):

1) Navigate to the following website: http://www.asc.edu/cgi-bin/account_request.cgi

2) Fill out the form with the appropriate information. *Notes: For "Requested CPU hours" use "10000." You will also need to provide your Advisor's information (name, email, etc); be sure you have informed your Advisor prior to creating an ASC account.

3) Print out the grant application and sign the form. The application will need to be faxed or scanned/emailed to the number/email address provided on the form.

4) You will be emailed your login and password within a couple of days.

Notes on using the ASC computers:

1) Multiple computational chemistry software programs are available for use in Quantum and Molecular Mechanics. However, you will also have access to computational software in the fields of Math and Statistics, Compilers and Programming, Bioinformatics, Crystallography and Materials, and Computational Fluid Dynamics. A complete list of software is available at http://www.asc.edu/supercomputing/software.shtml

2) The ASC supercomputers require a working knowledge of the Linux operating system. A simple tutorial is available at http://www.ee.surrey.ac.uk/Teaching/Unix/

3) To login, you will need an SSH program. Either use your own (e.g., Terminal in Mac OS X) or download one of many free options. For more info: http://en.wikipedia.org/wiki/Comparison_of_SSH_clients

4) Linux is a command-based language. In order to visualize your molecules you will need a graphical viewer. *Jmol* is recommended as it is free and works with all the quantum mechanical software available at ASC. http://jmol.sourceforge.net/