**Operation of INOVA400 with VnmrJ 4.2**

- This system operates on the FACES scheduling system.
- It is intended for longer experiments especially CARBON. Reservations cannot exceed 4 Hours during daylight hours.
- Overnight reservations are also allowed beginning at 6pm.

1) Log into VnmrJ 4.2 with your group account and password.
2) Eject (e) the standard and insert (i) your sample into the magnet.
3) **IMPORTANT!** If you plan to perform a $^{13}$C experiment, your sample would greatly benefit from having the probe tuned by the NMR staff. This system **DOES NOT** auto tune. Find Ken, Geno or Murthy for assistance with this.
4) Fill out the sample information for your sample - Sample Name, Solvent, complete Email and Notebook (Your Initials)
5) Select any experiments you wish to run on your sample by clicking each of them in the panel on the upper left.
6) You can modify parameters for each experiment by double clicking on each in turn,
   a. In the bottom panel select the Acquire Tab and choose the Default menu
   b. Modify any desired parameters
   c. Repeat step 8 with each experiment for the sample
7) Verify you have correctly entered the sample name, chosen your solvent, selected your experiments, modified any necessary parameters, and entered a full email.
8) Click Submit – Your sample will begin to be run at this point.
9) If you have additional samples eject (e) your sample and insert (i) your next sample. Click **New Study**
10) Repeat steps 2 thru 9 for each sample. When finished, return the standard to the magnet.
11) Logout of VnmrJ by going to **Start > Standard >** and then click **Logout**
12) Your Sample Data will be emailed to you. The data will also be backed up on the server by the Analytical Services staff the following morning.

**DO NOT CLOSE THE VNMRJ PROGRAM. IF MINIMIZED PLEASE RETURN TO FULL SCREEN MODE**