

## 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 **<sup>13</sup>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 VNMJR PROGRAM. IF MINIMIZED PLEASE RETURN TO FULL SCREEN MODE**