

Operation of MR400 with VnmrJ 4.2

This system operates on a Rolling Queue. The system is available for sample submissions 24/7. Samples will be run in the order submitted.

- 1) Log into VnmrJ 4.2 with your group account and password.
- 2) Select an open position in the carousel diagram on the middle right of the screen for your sample.
- 3) Insert your sample into a turbine and load it into the carousel position selected in the software.
 - a. BE SURE YOU ARE LOADING INTO THE CORRECT POSITION!! If the **Sample Present light** is **ON**, **DO NOT PUT A SAMPLE IN THE POSITION CURRENTLY OVER THE PROBE!!**
 - b. If all locations are full, you may remove any COMPLETED samples. Completed samples will be **GREEN** in the tray diagram at the computer.
- 4) Fill out the sample information for your first sample - Sample Name, Solvent, complete Email and Notebook (Your Initials)
- 5) Select any experiments you wish to run on your first 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 them in turn,
 - a. In the bottom right panel select the Acquire Tab and choose the Default menu
 - b. Modify any desired parameters
 - c. Repeat step 6 with each experiment for this sample
- 7) Verify you have correctly entered the sample name, chosen your solvent, selected your experiments, modified any necessary parameters, and full email.
- 8) Click Submit – Your samples will begin to be run at this point.
- 9) If you have additional samples click **New Study**
- 10) Repeat steps 3 thru 8 for each individual sample.
- 11) Logout of VnmrJ by going to Start > Standard > click Logout
- 12) Samples can be retrieved from the Hood in Hahn 006 the following morning (or Monday in the case of a weekend). Samples can be retrieved upon completion if needed immediately.
- 13) Sample Data will be emailed to you. The data will also be backed up onto the server by the Analytical Services staff the following morning.

After all samples have been entered you will see a list in the bottom left -

Active Studies [**Light** or **Dark Blue**] is the sample currently being run.

Completed Studies [**Green**] are samples in which all experiments have been finished and spectral data can be analyzed at any time. Simply expand the sample to list the experiments and double click to view the spectra.

Queued Studies [**Yellow** or **Purple**] will be samples to be run sequentially following the active experiments.

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