

## Further Information on Training Steps

1. If you only want to process data acquired with the sample changer, you only need the Topspin Data Processing training session, which is held on Mondays at 10:00 AM in Room 1416 Molecular Sciences Building. You should consider getting your own copy of Topspin.
2. If you want to learn to acquire data manually, you must practice using Topspin or Xwinnmr depending on which spectrometer you will use. These are both Bruker data systems and are very similar for commands that are typed.
  - A. Topspin – Used on the AV300 and the AV600, learning Topspin is usually the first step in getting checked out to use the spectrometers manually. The AV300 is a fully-broadbanded system with gradients and variable temperature capabilities. It has a broadband probe with stepping motors that allow probe tuning to be done under computer control. If you plan to use the rest of the NMR spectrometers, it is a good idea to learn to type commands in Topspin (rather than select them from the menus) because most are identical in Topspin and Xwinnmr.
    - 1) The manual acquisition training for the AV300 is given Thursdays from 10:00 AM – 12:00 noon.
    - 2) Prior to attending the manual acquisition training, you must practice using Topspin for data processing and take the Topspin data processing test.
    - 3) When you are ready to take the data processing test, contact Tioga Martin by email ([tioga@chem.ucla.edu](mailto:tioga@chem.ucla.edu)) to set up a time to take the test.
    - 4) Since the manual acquisition training requires the availability of the spectrometer, we must know by Wednesday at 10:00 AM whether anyone is ready to do the training. Therefore, you have to have taken the data processing test prior to 10:00 AM on the Wednesday of the week in which you want to attend the data acquisition training.
    - 5) When classes are in session, it is likely that some people will not be able to attend the scheduled manual acquisition training sessions. In that case, contact Jane Strouse ([strousej@chem.ucla.edu](mailto:strousej@chem.ucla.edu)) to arrange a different time.
  - B. Xwinnmr – Used on all spectrometers except the AV300 and the AV600, learning Xwinnmr is generally done after learning to use the AV300. We recommend waiting until you need to use the other spectrometers for your research. The Xwinnmr data processing training session is held on Tuesdays at 10:00 AM in Room 1416 Molecular Sciences Building.
    - 1) Many of the commands that are typed in Topspin are the same in Xwinnmr. For this reason, it is a good idea to get used to typing commands in Topspin rather than selecting them in the menus if you plan to use all of the departmental NMR spectrometers.
    - 2) Prior to attending the manual acquisition training, you must practice using Xwinnmr for data processing and take the Xwinnmr data processing test. Since the probes on all the

spectrometers that use Xwinnmr require manual probe tuning, an important part of this training session is devoted to probe tuning.

- 3) The manual acquisition using Xwinnmr training is given Fridays from 10:00 AM – 12:00 noon.
- 4) When you are ready to take the data processing test, contact Tioga Martin by email ([tioga@chem.ucla.edu](mailto:tioga@chem.ucla.edu)) to set up a time to take the test.
- 5) Since the manual acquisition training requires the availability of the spectrometer, we must know by Thursday at 10:00 AM whether anyone is ready to do the training. Therefore, you have to have taken the Xwinnmr data processing test prior to 10:00 AM on the Thursday of the week in which you want to attend the data acquisition training.
- 6) When classes are in session, it is likely that some people will not be able to attend the scheduled manual acquisition training sessions. In that case, contact Jane Strouse ([strousej@chem.ucla.edu](mailto:strousej@chem.ucla.edu)) to arrange a different time.