

only be a brief update (~ 15 to 20 minutes). *All users who want to use the new 300 MHz system need to have this brief update.* For users wishing to become trained on the 600 or for users new to the facility, Dr. Leeper offers *ad hoc* training, preferably in groups of 2 to 3 (see the following link to book training time <https://thomas-leeper.youcanbook.me>).

All three systems can accommodate a variety of 7 inch long 5 mm diameter NMR tubes but Wilmad or Bruker make the best tubes. Most tubes have a rating such that they are only intended to be used for fields of that rating or lower. Thus, tubes rated for the 300 MHz NMR would have poorer performance on the 400 or 600 instrument and are not recommended. *For users wishing to purchase tubes compatible with all three instruments it is recommended to buy a pack of Bruker Z172600 tubes (100 unracked tubes with bar coded caps for ~\$240 = \$2.40 per tube).* Details for purchasing racks of 96 tubes for the 600 MHz instrument can be provided for high throughput work.

NMR time will be booked at: <https://faces.ccrcc.uga.edu> with Group *KSU_CHEM*. Users must obtain a Faces login and password from Dr. Leeper if they have never done so before. *Unscheduled walkup use of the 300 is no longer be permitted.* It is strongly recommended that users for the 300 and 400 limit blocks to one hour and those who wish to book longer blocks should do so for nights and weekends. After each experiment is completed users must sign the logbook using a regular ballpoint pen (not sharpie or pencil) to confirm that the spectrometer remains in working order and is ready for the next user; each spectrometer has its own paper logbook.

It is expected that users will clean up after themselves. Samples left in tube racks for more than a week may be collected and disposed of at Dr. Leeper's discretion. Please do not leave KimWipes, glassware, or papers littering the workstation desks.

Please make every effort to organize datasets into folders following a regular scheme. Data hygiene is very important. Flash drives must be free of malware or viruses or we will have to reinstate the flash drive ban. All computers have optical drives and a stack of writable CDs and DVDs are available in the vestibule. The 300 is not typically going to be on the network but can be temporarily networked by request. NMR data on the spectrometer computers is not intended for long-term storage; drives fail so it is strongly recommended that you transfer your data offsite for processing. Bruker offers free processing software here: <https://www.bruker.com/service/support-upgrades/software-downloads/nmr/free-topspin-processing/nmr-topspin-license-for-academia.html>