

Rules for NMR Users

Signup Rules

The NMR committee reserves the right to change the signup rules based on changes in demand for time.

1. Reservations are available within 48 hours of the current time (central time zone).
2. Primetime hours are between 8:00 AM and 10:00 PM, Monday thru Saturday.
3. During primetime hours, users are only allowed to signup for 60 minutes maximum for each reservation; however the users may signup for consecutive slots.
4. The maximum number of reservations in one calendar day (12:00 AM - 12:00 AM) is two.
5. The maximum number of reservations within 48 hours is four.
6. Outside primetime hours, users can signup for a maximum of 600 minutes (overnight slot). *To reduce inefficient use of NMR time users must at least check their samples by 1H-NMR before reserving an overnight slot.*
7. Users must cancel their reservations at least one hour prior to start.

If a reservation was made in error please email Frank Wiggers (fwiggers@olemiss.edu) or John Bowling (jjbowlin@olemiss.edu). Habitual failure to use a reservation can result in loss of priviledges.

Facility staff reserves the right to displace a user for routine maintenance or emergency issues. If an emergency situation should arrive, efforts will be taken to return the original user to the NMR as quickly as possible.

Usage and Environment Rules

Statement on Professionalism:

Typical users of the NMR facilities in the School of Pharmacy are either in training to be or are considered to be professionals. It is understood that the users' actions are a statement about that level of professionalism. It is up to users themselves to be especially careful of the instruments and the environment around the instruments to maintain the quality of data acquisition for fellow users. Minor neglect in this area can only lead to major problems over time so please be diligent and do not circumvent good practices when using the NMR facilities.

1. Each user will be given a login name and password for the NMR sign-up website. Each user is expected to use their own login name only. The website address is <http://www.olemiss.edu/depts/pharmacy/rips/UM-NMR-Reservations.htm>
2. No user should supply their login information to others to circumvent the rules for signing up (i.e. signing up for multiple reservations, etc.).
3. No user should habitually use less than 50% of his/her time (i.e. signing up for a one hour slot and using only 15-25 mins).
4. Every week during maintenance, any and all unidentified NMR tubes left in the NMR rooms will be confiscated, cleaned, and will become the property of the NMR facility staff
5. A site license has been purchased for MNova 1.0 to allow processing at personal computers. All NMR processing should be performed either in the user's lab/office or at the processing stations in TCRC Room 3015. If you require TopSpin processing software, it is available at a processing station in TCRC Room 3015.
6. All new users shall perform their first 5 NMR sessions in the presence of an advanced user. In addition, all new users must pass a basic written test administered by the NMR committee during training (Faser Hall NMR Users Only).
7. After insertion of samples and after each session, users should replace the dust cap onto the top of the drop tube. The cap must be removed before

ejection is performed and is extra work, but does a great service to keeping the inside of the NMR clean. This rule should not be ignored for the sake of saving time. Over time dust accumulation will result in poor performance that is possibly irreversible.

9. Users should not wear gloves in the NMR room.

10. Avoid bringing small metal objects (i.e. paperclips, staples) into any NMR facility.

11. If the user suspects that there is a problem inside the probe or with the sample handling system inside the NMR (broken tube inside, compressed air failure, probe temperature runaway), it is the user's responsibility to first secure the area so no further experiments can be performed, then contact facility staff or a member of the NMR committee.

12. If problems are noticed regarding the general adherence by any user of the NMR instruments in Faser Room 409 to the guidelines described above they should be brought to the attention of facility staff and to an appropriate member of the NMR committee. These committee members are Ms. Jessica DiGirolamo and Mr. Amir Wahaba in cases involving Pcog users, and Mr. Rob Smith and Mr. Dave Weldon in cases involving Med Chem users. If the matter is serious enough, it may be subsequently brought by Mr. Bowling or Mr. Wiggers and the NMR committee to the attention of the appropriate Department Chair: Professor Daneel Ferreira in the case of Pcog users and Professor Stephen Cutler in the case of Med Chem users.

Contact Information:

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NMR committee members:

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