Training & Instrument Access

Access to the NMR facility instruments is controlled by UW NetID login. Only users who have completed the training requirements described below are allowed access to the facility instruments. Once a new user completes the training requirements, their UW NetID is authorized to login to the facility instruments and the user may request a key to the facility. Please be aware that there are supplemental training requirements for the AV700 and AV800 spectrometers.

The procedure for completing new user training is the same for all incoming users, irrespective of department.

Training for new users

1. Use the NMR Facility Calendar to find and register for an upcoming NMR General Training session. Sessions are typically scheduled weekly. These sessions are currently 90-minute remote sessions via Zoom.
2. Use the NMR Facility Calendar to find and register for an upcoming NMR Safety Training session. Sessions are typically scheduled bi-weekly. These are contact-free in-person 15-minute sessions.
3. Attend both sessions. You must attend the General Training session prior to the Safety Training session.
4. Successfully complete the on-line NMR Safety Quiz. You will receive an invite from the Facility Manager once you have completed the in-person training session.
5. Once you successfully complete the quiz, you will receive an email from the Facility Manager notifying you that you are now authorized to use the Facility
6. Should any of the above not work, send an email to either the Facility Manager (Rajan Paranji) or the Associate Manager (Adrienne Roehrich) and schedule participation in a training session.

Obtaining a key to the NMR Facility

1. After receiving your notice of facility authorization, you must obtain the approval of either the NMR Facility Manager or Associate Manager and your supervisor to get key access to the NMR Facility.
2. All approval will be via email at this time.

Instrument Reservation Policies

All NMR spectrometers must be reserved before use. Reservations are made using the online instrument reservation calendars. Users are charged for the amount of instrument time reserved. With the exception of the AV800, users can book their own reservations using the link shown above. There are restrictions, which vary by day of week and time of day, as to the permissible length of reservations and how far in the future they can be booked. Details of the reservation restrictions for specific instruments can be seen on the reservation calendars using the above link.

Instrument Specific Policies

AV300, AV301, DRX499, and AV500

These instruments are open to all authorized facility users.
**DPX200**

Undergraduate lab work has priority on this instrument. For this reason, there are some days during which this instrument may be entirely booked and not available to other users. Please note that the room where this instrument is located is also used for undergraduate lab classes. If a class is in session you MUST wear appropriate lab safety gear (a lab coat and goggles) when entering this room.

**AV700**

Solid state NMR experiments have priority on this instrument. For this reason, the AV700 may be entirely booked and unavailable for other use for periods of up to two weeks at a time. However, when the instrument is not in use for solid state work, the liquids TXI probe (1H, 13C, 15N) will be installed and ready for general use.

Special training is required before permission is granted to use this instrument. Contact Adrienne Roehrich to arrange training.

This instrument is located in lab space belonging to the Drobny group. When using the AV700, please respect this space and use caution around the other magnets in the lab (they are unshielded).

**AV800**

The majority of the time on the AV800 is reserved for a group of bio-molecular chemists who do 2D and 3D experiments. However, regular blocks of time are reserved for other users. These blocks of time occur every two weeks – they start on Monday at 10:30 AM and end on the following Wednesday at 11:00 AM. They are visible on the instrument reservation calendar under the name "Walk on Users". To schedule time on this instrument contact Rajan Paranji. Requests for AV800 time should be made no later than 5:00 PM on the Friday preceding the week when time is available.

Users wanting access to the AV800 need to obtain the signature of their research group PI on an approval form (PDF). Special training is also required before permission is granted to use this instrument. Contact Rajan Paranji to arrange training.