

NMR Newsletter v5

<http://nmr.chem.umn.edu> ← lots of good stuff here

Upcoming Changes!

We received an infrastructure upgrade grant (P.I.: Chris Douglas) from the University for two new 400 MHz spectrometers to replace the VAC-200 and VAC-300, and eventually the other Varian instruments. Once they arrive, we will decommission the VAC-300 and move all teaching lab samples to the VI-300, which will run in autosampler mode for the majority of the time. Target date for decommission of the VAC-300 is April 18.

Spectrometer Status

AV-500 and HD-500 (Bruker Avance III and III HD)

New firmware has been installed on the Bruker spectrometers. This firmware was developed with input from our facility, plus postdoctoral researcher Elodie Marlier (Tolman/Hillmyer groups). It should address issues with locking and shimming on solvents with multiple peaks.

VAC-300/VI-300

See above under Upcoming Changes

Training

With the impending arrival of our two new 400 MHz Bruker spectrometers, we will be revising our training protocol. All new users will be trained first on one of the 400s via the ICON automation routine. Access to the other 400 and the 500s will require the quiz and a second training session. No Varian autosampler training will be conducted for new users, with the exception of lab TAs. Hands-on Varian training will be by request only.

Why doesn't my UCard work in the facility doors?

-- Did you fill out the online form found on nmr.chem.umn.edu to provide your card number to the NMR facility manager?

--Did you recently lose your Ucard and get a new one? The new card will have a DIFFERENT number and thus need to be activated.

--If you did not lose your Ucard and it worked previously, you must get a replacement card. In this case, the number should remain the same. Unfortunately, you must pay for this replacement card if your old card works in the UCard office readers. You can try demagnetizing the card before you go to the UCard office.

--Access to one laboratory does not grant you immediate access to the other 2 laboratories. You must send an email to Letitia to request door access to the other facilities. In this case, your Ucard information is already on file and does not need to be resubmitted.

-- Did you graduate but not leave the U? Staff may have deactivated your card.

--If you are not a trained user of any of the facilities, you will not be granted access.