

Setup NMR experiments on automats

Routine NMR experiments can be submitted on one of our 7 NMR automats operating at 400 MHz. The sample changer will automatically pass the sample during the day. Immediately after the experiment is complete, spectra can be downloaded from our nmr server to user's own computer for further processing.

Location: BCH 4313 (r & l), BCH 5313 l, BCH 3204, BCH 2407 l, CH F 0492 (r & l)
(the machine nmr4313L is equipped with cryoprobe and have better sensitivity)

Rules: Short experiments (< 15 min) will be run during the day. Longer experiment will be run overnight (exception : nmr4313L where all characterization experiments pass during day and night)



If you need more than 4h to get a decent ^{13}C signal to noise (or for any other NMR experiment) → consider booking one manual high field machine (4 times more sensitivity → 16 times faster)

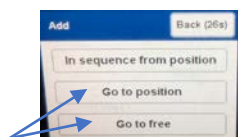
Procedure to submit a sample :

• Load the sample to the cassette of the automat

o add



o - go to free
o - or go to position



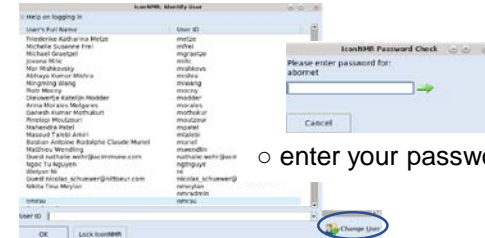
o choose position

Don't put sample on queued experiment holders



• Log to IconNMN

o click on "change user", on your name



o enter your password

• Program your experiment

holder number (where your tube is in the cassette)

your sample name

Exp. number (may have many for one sample)

choose solvent

choose NMR experiment (possible to add multiple experiments for one sample)

possible to set start time (do not set exp in the past!)

modify parameters (d1, sw, o1p, ...)

to add a new exp in holder

submit your experiment

to modify your experiment :
- cancel (the submission)
- edit (the experiment)

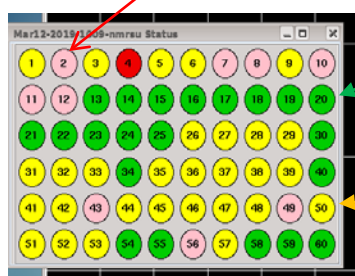
to delete your experiment (or other user's finished experiment)

• If there is no more free spinners → remove the tube of another user only if its experiment is finished !!

pink = experiment queued
→ do NOT remove tube!

green = experiment finished or holder free
→ tube can be removed

yellow = experiment finished
→ tube can be removed



(on computer screen (IconNMN)
not on cassette bug from Bruker sorry)

On IconNMN :
do NOT delete an experiment queued

