How to test dilute and complex NMR samples

Techniques with One dimensional NMR

(Use of advanced 400, 500 & 600 MHz spectrometers)

Fu Chen **Analytical & Research NMR Center** 2017

The training will improve your skill and gain additional practical experience, with selective high sensitivity spectrometers in the Center. Training includes lectures and practical hands-on labs.

Typical applications in practical sessions:

- Solvent suppression for samples with high amount of solvent.
- Proton selective NOE, Shape pulse applications.
- X-nuclei sensitivity enhancement with decoupling and DEPT.
- Hardware optimization (pre-requisite for future 2D NMR training.

Pre-requisite: User must complete the basic level of NMR training.

Schedule:

- Lectures: To be arranged, (10:30 am – 12:00).
- Hands-on Labs: Mandatory for the first lab sessions: Schedules to be arranged (10:30am to 1pm), the time for subsequent practice sessions is flexible.

Cost: $120 per user, it will be free for those who complete the assigned experiments (3) within 4 weeks.

Sponsor:

Please obtain your Research Advisor Approval and turn the form to my attention.

Name of Advisor: _____ FRS # _____

Signature of Advisor: _____

Your Name: (Last, First): _____

Your NMR USER ID: _____-__

Your UM E-mail: _____