

Procedure document for Training on NMR

300 MHz and 400 MHz NMR Training

Refresher Course

Introduction

Researchers and students will be trained on the 300 MHz spectrometer that will allow access to the 400 at the same time in automation mode only. You may then apply for additional access to the NMR systems if you need it. The software on our spectrometers is the latest version of Topspin so training on one spectrometer allows you to understand the operation of all of them.

Due to new requirements around reporting to the NRF and our funding partners, as well as the need to protect our investment, all researchers will undergo an initial one-day training, followed by supervised practice and then a short test (practical). If you successfully complete the test, you will be granted access to the spectrometers via the online booking system.

The training is valid for 6 months or may be renewed through a refresher course.

Process

- 1) Book a training slot by submitting this form directly to the Department or by mailing your request to chemistry@ru.ac.za, Subject title **NMR TRAINING REQUEST**. Most of the training will be handled by Dr Siwe Noundou, Dr Lobb, Prof Krause, or Dr Klein depending on their availability, and we try to meet your request within two weeks.

My REQUESTED training date is _____

- 2) Honour your training date. We are all doing the training on a voluntary basis as the needs arise.
- 3) Create a login for yourself in the NMR booking system (PLEASE FILL IN ALL THE FIELDS). The system can be located by following links from www.chem.ru.ac.za or at <http://perkin.cps.ru.ac.za/booked/Web/index.php>,
- 4) After the initial training you may book some "work under supervision" by mailing any of the approved users – the list is available in the NMR room and will be provided during the training.
- 5) Book a short test (practical) with Dr Pierre Kempgens or the trainer handling your course.
- 6) Once you complete the practical, you may use the instrument by booking online.
- 7) Save your data (CD or DVD) (Note we backup some data but users are responsible for their own data).

Name & Surname _____ Student No. _____

Department/University _____

E-mail and Phone number: _____

Date _____ Signature _____

For OFFICE USE:

NMR USER NAME: _____

NMR USER CODE: _____

SUPERVISOR _____

- Written Test
- Practical Test
- User E-mail sent
- Training complete (certificate issued)

Scheduled Date for the Training _____