

2020 NMR Users Workshop (I)

Tasks in Small Molecule NMR

High-Field NMR Center & GRC NMR LAB

Academia Sinica

Date: September 03-04, 2020

Places: B1C, IBMS, Academia Sinica

Instructors (in alphabetical order):

Dr. Chi-Fon Chang (GRC, Academia Sinica) 張七鳳

Dr. Yuan-Chao Lou (NBRP, Academia Sinica) 羅元超

Dr. Ying-Yann Wu (Chemistry, Academia Sinica) 吳英彥

Ms. Jennifer Wu (Rezwave Technology Inc.) 吳玫君

Language: English/Chinese (Handout in English)

Topics: Basic NMR Concept

Useful Experiments for Small Molecule

Data Processing using Mnova

NMR Assignment for Small Molecule

Hands-On: NMR Data Collection (in groups,分組進行)

Data Processing & NMR Assignment

(Laptop with Mnova/Topspin, 需自備電腦並預先安裝軟體)

TAs (in alphabetical order):

Ms. Pei-Ju Fang (HFNMRC, Academia Sinica) 方珮如

Ms. Yi-Ping Huang (GRC, Academia Sinica) 黃意評

Ms. Tsun-Ai Yu (HFNMRC, Academia Sinica) 游春愛

Software Installation TA

Mr. Roland Lee (HFNMRC, Academia Sinica) 李玉順

Registration Deadline: Aug. 30, 2020

Registration Webpage: <https://www.nmr.sinica.edu.tw/Workshop/Workshop2020s/>

(Tentative Program)

Day 1 : Sept. 03 (Thursday)

- 10:30-10:40 Opening & Introductory Overview
- 10:40-11:20 Basic NMR Concept & Experiments (in English)
by Dr. Chi-Fon Chang (GRC, Academia Sinica)
- 11:20-11:30 Short Break
- 11:30-12:10 Useful Experiments for Small Molecule (in English)
by Dr. Yuan-Chao Lou (NBRP, Academia Sinica)
- 12:10-13:30 Lunch Break
- 13:30-14:00 NMR Data Collection Overview
- 14:00-17:00 Data Collection- Hands on (in Groups)

Day 2 : Sept. 04 (Friday) (in Chinese 中文為主)

- 10:00-10:50 Data Processing using Mnova – Hands on (I)
by Ms. Jennifer Wu (Rezwave Technology)
- 10:50-11:10 Coffee Break
- 11:10-12:00 Data Processing using Mnova – Hands on (II)
by Ms. Jennifer Wu (Rezwave Technology)
- 12:00-13:30 Lunch Break
- 13:30-15:00 NMR Assignment Tips
by Dr. Ying-Yann Wu (CHEM, Academia Sinica)
- 15:00-15:20 Coffee Break
- 15:20-17:00 NMR Assignment for Small Molecule – Hands on
by Dr. Ying-Yann Wu (CHEM, Academia Sinica)