

2005 NMR Users Training Course

敬請公佈

High-Field Biomacromolecular Solution NMR Core Facility

National Program for Genomic Medicine

03/30/2005

Date: March 30, 2005 Wednesday

Place: B1B Lecture Room, IBMS, Academia Sinica, Taipei

Title: Advanced NMR Topics for Experienced Users

Tentative Course Content

09:00-10:30 Concepts on protein triple resonance experiments by *Dr. Wen-Jen Wu*

- R.F pulse field strength, shaped pulse, decoupling
- Water suppression
- Constant time HSQC
- TROSY type experiments
- Deuterium decoupling
- Discussion

10:40-12:00 Parameters set up for 2D/3D using Xwinnmr by *Dr. Chi-Fon Chang*

- General concept for 2D/3D experiment
- Pulse calibration for decoupled channel
- Shape pulse calibration
- Other parameters from pulse program
- Discussion

14:00 --- Hands On --- Operation in Core Facility (*Tsun-Ai Yu & Pei-Ju Fang*)

- Pulse calibration for ^{13}C & ^{15}N (& ^2H) in decoupled channel
- Shape pulse calibration for ^{13}C
- Experiment set up using "rpar"
- Experiment set up from scratch

On-line Registration:

<http://www.nmr.sinica.edu.tw/Course/Course20050330/index.php?it=reg>

Registration Deadline: 03/23/2005

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