

OpenLab Vietnam

IUCr-UNESCO
VNUHCM-US - MANAR Centre
Bruker
Dec 8-12, 2014

Bruker AXS, Chemistry Dept. of VNUHCM-US and MANAR Centre jointly organize a workshop in conjunction with the celebration of **International Year of Crystallography 2014 (IYCr2014)**.

The OpenLab Vietnam is an initiative of the International Union of Crystallography and UNESCO partnered by Bruker with the purpose of promoting crystallography in South-East Asia, covering crystallographic research and teaching.

Location: Hall I Auditorium, VNUHCM-University of Science

8 December 2014

Introduction and crystallization techniques
Point and translation symmetry
Space groups

9 December 2014

X-ray sources
X-ray diffraction
Intensity of diffracted beams

10 December 2014

Fourier synthesis
Patterson techniques
Refinement techniques
Structure factor: exercises

11 December 2014

Hands-on Training Session I:
Selection and mounting of crystals
Data collection (Standard crystal)
Theory and Practical Session I:
Data reduction + Refinement

12 December 2014

Hands-on Training Session II:
Selection and mounting of good-quality crystals
Data collection (Students crystal)
Theory and Practical Session II:
Data reduction + Twinning using APEX2

Tutors:

Prof. Luc van Meervelt, KU Leuven Belgium
Dr. Ngan Bich Nguyen, HNUE, Vietnam
Mr. Lac Ha Nguyen, MANAR Centre, Vietnam
Dr. Thanh-Ha Nguyen, Bruker AXS Singapore

Venue: VNUHCM-US, MANAR, Ho Chi Minh City

Local Organizing Committee:

Assoc. Prof. Nguyen Thi Thanh Mai (chair)
Assoc. Prof. Hoang Dzung
Dr. Nguyen Tuyet Phuong
Dr. Nguyen Thai Hoang
Msc. Pham Quang Hung
Ms. Lam Quynh Nhu (secretary)



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