

Acknowledgements

UKM-OUP-FARMASI-2009
PERKIN-ELMER SDN. BHD.
Pusat Kembangan Pendidikan UKM

Entrance is FREE and lunch will be provided. For registration, please either telephone, sms, fax the reply form or email before 26 January 2010. Thank you.

Secretariat
Seminar on Drug Discovery & Development
Faculty of Pharmacy
Universiti Kebangsaan Malaysia
Jalan Raja Muda Abdul Aziz
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REPLY FORM

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Organised by
DRUG DISCOVERY & DEVELOPMENT RESEARCH GROUP
& FACULTY OF PHARMACY
UNIVERSITI KEBANGSAAN MALAYSIA



UNIVERSITI KEBANGSAAN MALAYSIA
National University of Malaysia

Seminar on Drug Discovery & Development

Breakthrough Technique in Natural Product Profiling using FTIR & 2DIR Correlation Spectroscopy

Professor Dr. Sun Suqin
Tsinghua University, Beijing, China
(Visiting Professor, Faculty of Pharmacy, UKM)

26 January 2010 (Tuesday)

8:30 am – 2:00 pm

**Lecture Hall 1, Pusat Kembangan Pendidikan,
Kolej Tun Syed Nasir 1 (KTSN 1)
Jalan Temerloh, Kuala Lumpur**

SEMINAR PROGRAMME

| | |
|---------------|---|
| 08:30 – 08:50 | Registration |
| 08:50 – 09:00 | Opening Address <i>Professor Dr. Ibrahim Jantan</i> <i>Dean of Faculty of Pharmacy</i> |
| 09:00 – 10:15 | Breakthrough Technique in Natural Product Profiling using FTIR & 2DIR Correlation Spectroscopy <i>Professor Dr. Sun Suqin</i> <i>Tsinghua University, Beijing</i> |
| 10:15 – 10:45 | Tea Break |
| 10:45 – 11:15 | Natural Product profiling by using FTIR-Chemometric algorithm approach <i>Associate Professor Dr. Zhou Qun</i> <i>Tsinghua University, Beijing</i> |
| 11:15 – 11:45 | Overview of FTIR spectroscopy in general applications <i>Mr. Ong Shaw Feng</i> <i>Perkin Elmer Sdn. Bhd.</i> |
| 11:45 – 12:15 | Question & Answer Session |
| 12:15 – 14:00 | Lunch |

Who May Attend?

This seminar is applicable to scientists working on characterisation or quality control for any materials from natural or synthetic sources in the area of natural products, pharmacognosy, pharmaceutical technology, biomedical sciences, biotechnology, chemical analysis, chemical engineering, food technology, traditional/complementary medicines and others.

Where?

You may drive via either Taman Tasik Titawangsa or Pusat Darah Negara to **KTSN1**.



Biodata of Speakers

PROFESSOR DR. SUN SUQIN

Professor Dr. Sun graduated from Tsinghua University in 1978. Her main research fields are applications of Two-dimensional correlation spectroscopy and molecular spectroscopy on macroscopic quality control of traditional Chinese medicines and foodstuff. She is a managing editor of the "Chinese Journal of Integrated Traditional Chinese and Western Medicine", also, a member of the editorial boards of the journal "Spectroscopy and Spectral Analysis" and the "Chinese Journal of Light Scattering". She was invited to give speeches at international conferences held respectively in USA, Britain, Japan, Korea, Hong Kong, Singapore, Malaysia, Beijing and Shanghai. By now, more than 200 papers and one monograph "Atlas of Two-Dimensional Correlation Infrared Spectroscopy for Traditional Chinese Medicine Identification" have been published. In addition, she has gained 3 patents as first originator.



ASSOCIATE PROFESSOR DR. ZHOU QUN

Associate Professor Dr. Zhou is an assistant professor to Professor Sun and she has been actively involving in natural product profiling using FTIR-2DIR correlation techniques. Beside 2DIR correlation software, Associate Professor Dr. Zhou is also an expert in cluster analysis in using multivariate algorithm with powerful methods including PCA, Multivariate Curve Resolution (MCR), PLS Regression etc for complex compound classifications and identifications.

Seminar on Drug Discovery & Development

**26th January 2010
(Tuesday)**

Lecture Hall 1

**Pusat Kembangan Pendidikan
Kolej Tun Syed Nasir 1 (KTSN 1)
Jalan Temerloh, Kuala Lumpur**

Organised by

Drug Discovery & Development Research Group
& Faculty of Pharmacy, UKM

PROGRAMME

08:30 Registration

08:50 Opening Address

Dean of Faculty of Pharmacy

**09:00 Breakthrough Technique in Natural Product
Profiling Using FTIR & 2DIR Correlation
Spectroscopy**

Prof. Dr. Sun Suqin (Tsinghua University, Beijing)

10:15 Tea Break

**10:45 Natural Product Profiling Using FTIR-
Chemometric Algorithm Approach**

AP. Dr. Zhou Qun (Tsinghua University, Beijing)

**11:15 Overview of FTIR Spectroscopy in General
Applications**

Mr. Ong Shaw Feng (Perkin Elmer Sdn. Bhd.)

11:45 Question & Answer Session

12:15 Lunch

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