



*ACES-NM,
A Chapter of CIE-USA
Albuquerque, New Mexico*



ACES-NM 2012 Fall Seminar
Lunch catered by Chopstix

Saturday, 11/3, 2012

10:00 am-12:30 pm

**Basic Medical Science Building (BMSB) 203, Health
Science Center
University of New Mexico**

(see attachment for direction and map)

1. An Introduction of Drugs Discovery and Development

藥物發現和開發的入門

By Dr. Wei Wang, Professor of Department of Chemistry & Chemical
Biology, University of New Mexico

2. What Wrong You Do at Work Can Get You in Legal Disaster?

-Legal Awareness and Ethics of Engineers, Scientists and Researchers

工作中的什麼失誤會讓你訴訟纏身?

---法律意識與工程師，科學家和研究人員的職業道德

Panel Discussion By Dr. Yung-Sung Cheng, Dr. Lu Fang and Dr. Lin Ye

Moderator: Dr. I-Ming Chen

Please RSVP by e-mail to yimingy@yahoo.com by November 1, 2012, Thursday.



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ABSTRACT

1. An Introduction of Drugs Discovery and Development

藥物發現和開發的入門

Dr. Wei Wang



Therapeutic agents have served as powerful weapons to fight ailments such as cancers, cardiovascular, infectious, and neurodegenerative diseases to improve our health. These drugs are developed by scientists through close and interdisciplinary collaborations. Drug discovery and development is a time-consuming, and highly costly and risky business. In this presentation, I would like to briefly discuss how drugs are discovered and developed. The lecture covers drug discovery history, today's pharmaceutical business, process and challenges. In addition, the current status of the Chinese pharmaceutical business, opportunities and policies will also be briefly discussed.

治療性的藥物被用作對抗疾病如癌症，心血管病，傳染病和神經退行性疾病和改善我們健康的強大武器。科學家通過密切和跨學科的合作開發出這些藥物。藥物發現和開發是一項高耗時，高成本和高風險的事業。這個講座將簡要地討論如何發現和開發藥物，並涵蓋藥物發現的歷史，製藥業及其流程和挑戰。此外，也將簡要討論中國醫藥企業的現狀，機遇和政策。

2. What Wrong You Do at Work Can Get You in Legal Disaster?

- Legal Awareness and Ethics of Engineers, Scientists and Researchers

工作中的什麼失誤會讓你訴訟纏身?

---法律意識與工程師，科學家和研究人員的職業道德

In 2012 alone, in USA, there are more than ten legal cases reported by media and charged some engineers, scientists or researchers of Chinese ethnic for stealing trade secrets, economic espionage, disclosing classified or confidential information to foreign company or government. Some of them are sentenced in jail. This panel discussion will review some of legal documents and regulations and discuss a few cases to bring up legal awareness and avoid unintentional wrong doing of our members on self educated bases.

僅僅在2012年裡，媒體報導的涉及在美華人盜竊商業機密，經濟間諜，洩漏機密或保密信息的法律訴訟就有十多起，有些已結案入獄。本專題討論將回顧一些相關法律和規定，介紹一些相關案件，以期通過自我教育，加強本會會員的法律意識，規避牢獄之災。



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Wei Wang received his PhD in organic chemistry in February 2000 at the North Carolina State University, Raleigh, NC, USA under the supervision of Professor Binghe Wang. He then spent about two years as a post-doc in the group of Professor Victor J. Hruby at the University of Arizona, Tucson, AZ, USA. Before he joined the Department of Chemistry & Chemical Biology, the University of New Mexico (UNM), Albuquerque, NM, USA, he worked as Principal Investigator at the Genomics Institute of the Novartis Research Foundation, San Diego, CA, USA from December 2001 to August 2003. He now is full Professor of Chemistry at the UNM. His group research interest includes 1) New synthetic methodology development, particular asymmetric synthesis and catalysts; 2) Total synthesis of biologically active compounds with unique structural and biological features; 3) Drug discovery and chemical biology/medicinal chemistry; and 4) Molecular recognition and imaging and drug delivery. He and his co-workers have published ca. 150 papers, books and book chapters including *Nature Commun.*, *Nature Mol. Biol.*, *J. Am. Chem. Soc.*, *Angew. Chem.*, *J. Biol. Chem.* Notably, his significant research work has placed him in the top 5% of cited authors for journals in Chemistry. He has received several awards such as the Chinese-American Chemistry & Chemical Biology Professors Association (CAPA) Distinguished Junior Faculty Award (2008) and the American Peptide Society the Bruce W. Erickson Young Investigator Award (2001).



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Driving Directions:

1. Take I-25 south to MLK exit. (after the intersection of I-25 and I-40)
2. Turn left on MLK Blvd.
3. Turn left on University Blvd.
4. Turn right on Tucker Rd. (north of Lomas)
5. After passing Yale Blvd, park your car in the M-Lot on the right side of Tucker and walk east to pass the Domenici Center and the HSC Library, then turn south to BMSB.

Note: BMSB is three stories building when you see it at the plaza level.

Room 203 is an auditorium on the second floor of the building.

See  in the map.

