

Department of Biomedical Sciences
& Department of Chemistry
jointly present a seminar



“Physical Organic Chemistry in Drug Product Development – My Industrial-Chemist Career with Pharma”

Dr. Zheng-Zhi Wu
Sichuan Purity Pharmaceutical Technology Co. Ltd.

Date : 3 October 2017

Time: 11:00am to 12:30pm

Venue: Meeting Room 1B-G04, G/F, Block 1, To Yuen Building

Abstract

Stabilization of drug products is critical for pharma to meet FDA regulatory requirements on safety. Being an industry chemist for more than 20 years, I would like to share my working experience with the graduate students at the City University of Hong Kong on how to solve stability problems in drug-product development using a combination of physical-organic-chemistry concepts with analytical skills.

About the Speaker

Zheng-Zhi (ZZ) Wu, PhD, received his M.S. in physical organic chemistry from Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, in 1982, and his Ph.D. in organic photochemistry from Simon Fraser University, Burnaby B. C., Canada in 1987. After his postdoc on photochemistry at Purdue, he joined Eastman Kodak Company in 1991, where he studied stability and reactivity of photographic-active compounds. In 1996, he moved to 3M Pharmaceuticals Division, 3M Company working on determination of impurity and degradation profiles in metered-dose-inhaler, semi-solid, and transdermal drug-product formulations. Since 2000, he had led a Degradation-Chemistry Laboratory, responsible for studying excipient-drug interaction, forced-degradation/photodegradation reactions, and degradation mechanisms. In 2004, ZZ was promoted to “Division Scientist”, and retired from 3M in 2013. Currently, he has a part-time consulting job for pharma. ZZ had three invited presentations to pharmaceutical industry conferences in 2005, 2006, and 2010, 9 US patents, and 17 papers published in peer-reviewed journals.

Enquiry:

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All are welcome !