

Bo Wang

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EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA

Ph.D. candidate, Chemical and Biomolecular Engineering

12/2014-present

M.S. Chemical and Biomolecular Engineering – GPA 3.75/4.00

09/2012-07/2014

Peking University Health Science Center, Beijing, China

M.S., Pharmaceutical Sciences

09/2010- 07/2012

B.S., Pharmaceutical Sciences

09/2006- 07/2010

RESEARCH EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA

07/2014-present

- Developing biosensors for detection of glucose and neurotransmitters
- Optimizing enzyme immobilization process of biosensor fabrication

University of California, Los Angeles (UCLA), Los Angeles, CA

09/2012-07/2014

- Exploring the programming rules of highly reducing polyketide synthases in fungi by analyzing its kinetic parameters
- Biosynthesis of Fusarielins by trying to reconstitute its biosynthetic pathway

Peking University Health Science Center, Beijing, China

05/2008 – 07/2012

- Developed and optimized the $\text{Co}_2(\text{CO})_8\text{-Et}_3\text{SiH-CO}$ reagent system for the deprotection of benzyl ethers using catalytic amount of $\text{Co}_2(\text{CO})_8$ in the presence of Me_2PhSiH and CO
- Synthesized lactose derivatives with anti-tumor activity
- Assisted in synthesizing of PEG-PLGA, L-sugars (L-Mannose and L-Glucose) etc.

WORK EXPERIENCE

University of California, Los Angeles (UCLA), Los Angeles, CA

07/2012-present

Teaching Assistant: Fundamental Chem&Biom Engineering, Biochemical Reaction Engineering

- Led weekly discussion sections and held office hours for over 30 students
- Taught lecture as a substitute for the professor
- Helped professors prepare and grade exams and homework

Peking University Health Science Center, Beijing, China

05/2008 – 07/2012

Teaching Assistant: Experiments in Modern Experimental Chemistry

- Led experimental classes weekly for international students in medical school
- Helped students about class topics and adapt to the international education systems

LEADERSHIP EXPERIENCES

University of California, Los Angeles (UCLA), Los Angeles, CA

07/2012-present

- Serve as Executive Committee member of Peking University Alumni Association of Southern California

Peking University Health Science Center, Beijing, China

08/2006 – 07/2008

Vice chairman of Student Union, School of Pharmaceutical Sciences

- Helped supervise Study Department, P.E. Department and Literature and Art Department
- Helped organize all kinds of social events for the department such as New Year's party

Monitor of the class

- Helped improve the communication between teachers and students
- Organizing social and extracurricular activities for the class

PUBLICATIONS AND PATENTS

1. Yin Tang, Yang-Bing Li, **Bo Wang**, Ri-Yuan Lin, Mallory van Dongen, Danielle M. Zurcher, Xiao-Yan Gu, Mark M. Banaszak Holl, George Liu, Rong Qi, *Mol. Pharmaceutics*, **2012**, 9, 1812-1821.
2. Yangbing Li, Zhaojun Yin, **Bo Wang**, Xiang-Bao Meng, Zhong-Jun Li, *Tetrahedron*, **2012**, 68, 6981-6989.
3. **Bo Wang**, Zhaojun Yin, Yangbing Li, Ting-Xiang Yang, Xiang-Bao Meng, Zhong-Jun Li, *The Journal of Organic Chemistry*, **2011**, 76, 9531–9535.
4. Zhong-Jun Li, Yang-Bing Li, Zhao-Jun Yin, Shu-Chun Li, **Bo Wang**, Qing Li, Xiang-Bao Meng, *Patent, CN 201110354102.X*. Peking University, **2011**.
5. Zhao-Jun Yin, **Bo Wang**, Yang-Bing Li, Xiang-Bao Meng, and Zhong-Jun Li, *Organic Letters*, **2010**, 12, 536-539.
6. Zhong-Jun Li, Zhao-Jun Yin, Xiang-Bao Meng, Yang-Bing Li, **Bo Wang**, Qing Li, Shu-Chun Li, *Patent, CN201010033942. 1*. Peking University, **2010**.

AWARDS AND HONORS

2011-2012	First degree Scholarship of Graduate Students (Top 5%)
2009, April	Third Prize, the 1 th Experimental Skills Competition, Peking University
2007-2008	Third degree Scholarship, Peking University (Top 15%)
2007, December	Third Prize, the 24th College Physics Contest for Non-physical Class
2007, April	Third prize, The 3th Foreign Language Song Contest
2006-2007	Social Activity Award for Outstanding Individual, Peking University (1%) Second degree Scholarship, Peking University (Top 10%)
2006, January	Silver Prize in the National Olympic Contest of Chemistry

SKILLS

Language Skills	Chinese, English, Japanese (Basic)
Computer skills	C++, Python, MS Office etc.

INTERESTS

Soccer, Golf, Swimming, Drawing, Music, Hiking, Traveling, Finance, Social Activities