

# Song Li

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## CURRICULUM VITAE

### EDUCATION

- 2011-present PhD student, Department of Chemical Science and Engineering, King Abdullah University of Science and Technology (KAUST)
- 2009-2011 M.S., Department of Pharmaceutics, School of Pharmaceutical Science, Peking University
- 2005-2009 B.S., School of Pharmaceutical Science, Peking University

### RESEARCH INTERESTS

1) Irradiation controlled drug release from photosensitive polymeric membrane, nanoparticles, or other drug delivery systems (DDS). Novel DDS requires response to environmental factors, such as pH, heat, magnetic fields, irradiation, blood glucose and other molecules. Based on those responses, the release of molecules can be tuned according to the physical environmental changes after administration, or can even be controlled by factors out of body. Among those factors, irradiation is easily available and controllable in real life, and therefore very attractive.

2) Design and characterization of controlled drug delivery through non-invasive routes, including oral, gastrointestinal and transdermal DDS. A typical and widely-used invasive administration is injection, which causes pain of patients, extremely lowering their compliance. Besides, long term of injections may result physical injury. On the contrary, Non-invasive administrations, for example, oral solid formulations and transdermal patches, can obtain a higher compliance and therefore be more desirable.

### PUBLICATIONS

1. Song Li, Hua Zhang, Xueqing Wang, Jiancheng Wang, Xuan Zhang, Qiang Zhang. Study On An Insulin-loaded Oral Nano-matrix Drug Delivery System. Chinese Pharmaceutical Journal, 2012, accepted.

### AWARDS

- Nov 2010 3<sup>rd</sup>-Class Prize for Excellent Academic Poster of 2010 Annual Conference, CNBMT/CSMNT
- Oct 2009 National LIZHI Scholarship
- Oct 2007 DANXIANG Scholarship for Excellent Medicinal Student in Peking University
- Dec 2006 3<sup>rd</sup>-Class Prize for Physics Competition of National University

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### Students

- Nov 2006 DANXIANG Award for excellent social activities in Peking University
- Oct 2006 2<sup>nd</sup>-Class Scholarship for Excellent Medicinal Student in Peking University