

## **Yong Zhang**

### **Graduate Student**

Ph. D. Program: **Pharmaceutical Sciences**

Division: **Molecular Pharmaceutics**

### **Mailing Address**

Division of Molecular Pharmaceutics  
UNC Eshelman School of Pharmacy  
CB #7362  
Genetic Medicine Building, Rm 1048D  
Chapel Hill, NC 27599-7362



### **Contact Information:**

Email: yongzhang@unc.edu

Office: 919-9667778

### **Education**

2008 –present Eshelman School of Pharmacy, UNC-Chapel Hill  
2000-2003 M.S. , Organic Chemistry, University of South Carolina at Columbia  
1997-1999 Medicinal Chemistry, Institute of Materia Medica, PUMC/CAMS  
1992-1996 B.S. & B.A. , Chemistry and History, Nankai University, Tianjin, China

### **Employment**

2003-2008 Associate Scientist, Chemical Development, GlaxoSmithKline  
2010 Intern in Protein Biochemistry-Formulation Sciences at MedImmune

### **Selected Peer-Reviewed Publications**

1. Feng Liu, Ji-Young Park, **Yong Zhang**, Christine Conwell, Yang Liu, Surendar Reddy Bathula, Leaf Huang (2010) Targeted Cancer Therapy with Novel High Drug-Loading Nanocrystals. *J Pharm Sci* (Early View online).

2. Kae M. Bullock, Delphilia Burton, John Corona, Ann Diederich, Bobby Glover, Kim Harvey, Mark B. Mitchell, Mark D. Trone, Robert Yule, **Yong Zhang** and Jennifer F. Toczko. Process Development and Scale-Up of a PPAR $\gamma$  Agonist: Selection of the Manufacture Route. Manuscript in preparation. *Org. Process Res. Dev.*, 2009, 13 (2), pp 303–309
3. Will L. Canoy, Bob E. Cooley, John A. Corona, Thomas C. Lovelace, Alan Millar, Aimee Weber, Shiping Xie and **Yong Zhang**. Efficient Synthesis of (3*R*,3*aS*,6*aR*)-Hexahydrofuro[2,3-*b*]furan-3-ol from Glycolaldehyde. *Org. Lett.* **2008**, 10, 1103-1106

### **Brief Description**

I was born and raised in Hebei Province, China and I attended Nankai University in Tianjin for my undergraduate study. Then I moved to Institute of Materia Medica, Peking Union Medical College, Chinese Academy of Medical Sciences to study Medicinal Chemistry. At end of the last century, I packed my things and came across the Pacific Ocean to pursue my American Dream. I obtained an M.S. in organic chemistry from University of South Carolina at Columbia and worked at GlaxoSmithKline for five years on scaling up of synthetic processes and transferring the processes to the pilot plant.

In 2008, I joined the Ph. D. program in Pharmaceutical Sciences at UNC-Chapel Hill. My current thesis project is to develop a transdermal formulation for a DTPA prodrug as a radionuclide decorporation agent to treat potential victims of Radiation Dispersal Devices (RDD).

In my spare time, I enjoy spending time with my family, playing tennis, reading books, and traveling.