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Memorial Sloan Kettering
Cancer Center

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[Education & Training](#) **Shiying Shang, PhD**

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Email

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Start Year

2003

End Year

2008

Associate Director
Center of Pharmaceutical Technology
Tsinghua University

Postdoctoral Fellow with Prof. Marvin H. Caruthers
Department of Chemistry & Biochemistry
University of Colorado, Boulder

Research Associate with Prof. Zhongping Tan, 2011–2012
Department of Chemistry & Biochemistry
University of Colorado, Boulder

Postdoctoral Fellow with Prof. Samuel J. Danishefsky, 2008–2011
Molecular Pharmacology & Chemistry Program
Memorial Sloan Kettering Cancer Center

PhD, Weill Cornell Medical College, 2008
Pharmacology Graduate Program
Sloan Kettering Institute & Weill Cornell Medical College

MA, College of William and Mary, 2002

BS, Peking University, 2000

Thesis: *A Unified Synthetic Approach to Polyketides Having Both Skeletal and Stereochemical Diversity*, May 15, 2008

Publications

A unified synthetic approach to polyketides having both skeletal and stereochemical diversity.

Shang, S.; Iwadare, H.; Macks, D. E.; Ambrosini, L. M.; Tan, D. S.* *Org. Lett.* 2007, 9, 1895–1898.

[[Abstract](#) | [PubMed](#) | [PMC](#)]

Advancing chemistry and biology through diversity-oriented synthesis of natural product-like libraries.

Shang, S.; Tan, D. S.* *Curr. Opin. Chem. Biol.* 2005, 9, 248–258.

[[Abstract](#) | [PubMed](#)]

Evolution of a catalytically effective model enzyme: The importance of tuned conformational fluctuations.

Williams, B. G.; Hossain, A. M.; Shang, S.; Kranbuehl, D. E.; Bagdassarian, C. K.* *J. Theoret. Comp. Chem.* 2003, 2, 323–334.

[[Abstract](#)]

News Articles

01/04/2005

NIH Initiatives Target Chemistry: New road-map-related initiatives show agency values role of chemistry in biomedical research

Chemical & Engineering News

Graduate student Shiyong Shang and postdoctoral fellow Jae-Sang Ryu work on developing diversity-oriented syntheses of libraries in the lab of Tan—work that fits nicely into a new road-map-related initiative. [[Full text \(membership req'd\)](#)] | [[Full text \(PDF\)](#)]]

