

Weidong Xu

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Education

- Harvard University**, Cambridge, MA Aug. 2015 – Present
Graduate student at Department of Chemistry & Chemical Biology
- Tsinghua University**, Beijing, China Aug. 2011 – July 2015
B.S. in Chemical Biology / Graduated with Highest Honors

Research Experience

Beijing Key Laboratory for Microanalytical Methods and Instrumentation Nov. 2012 – July 2015

Undergraduate Researcher

- Advisor: Prof. Jinghong Li (Department of Chemistry, Tsinghua University)
- Designed an assay system for endonuclease and constructed DNA logic gates based on multiresponsive rolling circle amplification

Academic Innovating Training Program May 2013 – July 2015

Member of Life Science Group

- Also named *Xinghuo Program*, 50 outstanding students were selected out of approximate 600 candidates
- Fluorescent detection of Mercury (II) ion via rolling circle amplification

Summer Research Internship July 2014 – Sep. 2014

Undergraduate Researcher

- Advisor: Prof. Yi Lu (Department of Chemistry, University of Illinois at Urbana-Champaign)
- Studied the combinational effect of DNA aptamer and polyethylene glycol modification on drug delivery efficacy by using liposomal doxorubicin

Publications

1. **Weidong Xu**, Ruijie Deng, Lida Wang, and Jinghong Li*. Multiresponsive Rolling Circle Amplification for DNA Logic Gates Mediated by Endonuclease. *Anal. Chem.*, 2014, 86, 7813–7818. DOI: [10.1021/ac501726s](https://doi.org/10.1021/ac501726s)
2. Hang Xing,^[+] Ji Li,^[+] **Weidong Xu**, Yi Lu*, *et al.* The Influence of DNA Aptamer and Polyethylene Glycol Modification on Cell-Specific Targeting. (^[+]These authors contributed equally) (to be submitted)

Honors & Awards

- *Tsinghua University Principal Scholarship* candidate (top 15 of 3300 undergraduates at Tsinghua University), Tsinghua University, Nov. 2014
- *Model Student of Academic Records*, Department of Chemistry, Tsinghua University, Oct. 2014
- Second Prize of *Novozymes Cup Life Science Competition* (among 7 universities in Beijing), Novozymes, May 2014
- *Tsinghua Friends – Samsung Scholarship*, Tsinghua University, Dec. 2013
- Member of *Tsinghua Xuetao Talents Program*, Tsinghua University, May 2013
- Member of *Academic Innovating Training Program (Xinghuo Program)*, Tsinghua University, May 2013
- Second Prize of *Undergraduates Physics Competition*, Beijing Society of Physics, Dec. 2012
- *Tsinghua Friends – China National Petroleum Corporation Scholarship*, Tsinghua University, Dec. 2012