

Curriculum Vitae



Dr. Zutao Yu

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Current address

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Education

- Ph.D., in Chemistry Department, Graduate School of Science, Kyoto University, Japan (Oct. 2015–Sept. 2018).
Supervisor: **Prof. Hiroshi Sugiyama**, Chemical Biology Laboratory (Sugiyama Lab).
Dissertation Title: Artificial Assemblies with Cooperative DNA Recognition.
- M.Med. in Xiangya Pharmaceutical College, Central South University, China (Sept. 2012–June 2015).
Supervisor: **Prof. Qianbin Li**, Medicinal Chemistry Laboratory.
- B.Med. in Pharmaceutical Department, Medical College, Qinghai University, China (Sept. 2008–June 2012).

Awards and Honors

- Awarded with iCeMS, Kyoto University, Japan overseas visit travel grant
Sept–Oct, 2019
- Won the CSJ student oral presentation award in the 98th annual conference of
Chemical Society of Japan
Mar, 2018
- Won the scholarship from Science Department of Kyoto University
May, 2017
- Awarded with Chinese Council Scholarship for overseas doctoral study
Oct, 2015–Sept, 2018
- Won the Chinese Government Scholarship during Master’s study
Sept, 2014
- Won the Chinese Government Scholarship during Bachelor’s study
Sept, 2010

Research Statement and Interests

My research aims to develop and apply artificial nucleic acid-targeting system to regulate biological network and potentiate novel disease therapeutics. During doctoral study, my main contributions are the construction and demonstration of three novel cooperative DNA binding systems and one advanced epigenetically active gene switch, in order to expand and optimize synthetic DNA binder. I am also interested in bio-molecule-based system (CRISPR-Cas, ZFN, antibody and CRISPR-mimetics) to tackle some medical challenges that we cannot do right now, by utilizing artificial bio/small molecule system, protein engineering, synthetic biology and chemical biology.