

## Tomoko FUJINO

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### Education

2005 B. S. in Chemistry (The University of Tokyo; Prof. E. Nakamura)

2007 M. S. in Chemistry (The University of Tokyo; Prof. E. Nakamura)

2011 Ph.D. in Chemistry (Tohoku University; Prof. H. Isobe)

### Academic Experience

2007-2016: Assistant Professor, Department of Chemistry, Tohoku University

2016-present: Assistant Professor, Department of Chemistry, The University of Tokyo

### Awards and Honors

2007: Award for Excellent Research (Faculty of Science, The University of Tokyo)

2016: The 9th "Shiseido Female Researcher Science Grant"

### Selected Publications

1. "Chimeric RNA Oligonucleotides Incorporating Triazole-linked Trinucleotides: Synthesis and Function as mRNA in Cell-free Translation Reactions," Fujino, T.; Suzuki, T.; Okada, K.; Kogashi, K.; Yasumito, K.; Sogawa, K.; Isobe, H. *J. Org. Chem.* **2016**, *81*, 8967-8976.
2. "Chimeric RNA Oligonucleotides with Triazole and Phosphate Linkages: Synthesis and RNA Interference," Fujino, T.; Kogashi, K.; Okada, K.; Mattarella, M.; Suzuki, T.; Yasumoto, K.; Sogawa, K.; Isobe, H. *Chem.—Asian J.* **2015**, *10*, 2683-2688 (Inside Cover).
3. "Triazole-linked analogues of DNA and RNA (<sup>TL</sup>DNA and <sup>TL</sup>RNA): Synthesis and Functions," Isobe, H.; Fujino, T. *Chem. Rec.* **2014**, *14*, 41-51.
4. "Triazole-linked DNA as a Primer Surrogate in the Synthesis of First-Strand cDNA," Fujino, T.; Yasumoto, K.; Yamazaki, N.; Hasome, A.; Sogawa, K.; Isobe, H. *Chem.—Asian J.* **2011**, *6*, 2956-2960.
5. "Triazole-linked Analogue of Deoxyribonucleic Acid (<sup>TL</sup>DNA): Design, Synthesis and Double Strand Formation with Natural DNA," Isobe, H.; Fujino, T.; Yamazaki, N.; Guillot-Nieckowski, M.; Nakamura, E. *Org. Lett.* **2008**, *10*, 3729-3732.