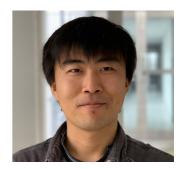
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2015	BS	The University of Tokyo, The School of Engineering,
		Department of Chemistry & Biotechnology
2017	MS	The University of Tokyo, The Graduate School of Engineering,
		Department of Chemistry & Biotechnology
2020	Ph.D.	The University of Tokyo, The Graduate School of Engineering,
		Department of Chemistry & Biotechnology

Research Careers

2017 – 2020	Research Fellowships for Young Scientist (DC1),
	Japan Society of the Promotion of Science (JSPS)
2020 –	Assistant Professor, The University of Tokyo, The Graduate School of
	Engineering, Department of Chemistry and Biotechnology

Awards and Honors

2017	The 42nd International Symposium of Nucleic Acid Chemistry,
	ISNAC Outstanding Poster Award
2018	The 98th CSJ Annual meeting, Student Oral Presentation Award

Fellowships and Grant

2023.4–2025.3	JSPS Grant-in-Aid for Scientific Research on Innovative Areas
2022.4–2024.3	JSPS Grant-in-Aid for Young Scientists
2020.9–2022.3	JSPS Grant-in-Aid for Research Activity Start-up
2017.4–2020.3	JSPS Reasearch Fellowship for Young Scientists (DC1)

Publications

(1) <u>Takafumi Furuahta</u>, Phebee Angeline Devadasan Racheal, Iori Murayama, Usano Toyoda, Akimitsu Okamoto "One-pot, photocontrolled enzymatic assembly of the structure-defined heterotypic polyubiquitin chain" *J. Am. Chem. Soc.* 2023, https://doi.org/10.1021/jacs.3c01912

- (2) <u>Takafumi Furuhata</u>, Yuki Komoto, Takahito Ohshiro, Masateru Taniguchi, Ryosuke Ueki, Shinsuke Sando "Key aurophilic motif for robust quantum-tunneling-based characterization of a nucleoside analogue marker" *Chem. Sci.* **2020**, *11*, 10135–10142.
- (3) <u>Takafumi Furuhata</u>, Takahito Ohshiro, Yuichi Izuhara, Tomoaki Suzuki, Ryosuke Ueki, Masateru Taniguchi, Shinsuke Sando "Chemical Labeling-Assisted Detection of Nucleobase Modifications by Quantum Tunneling-Based Single Molecule Sensing" *ChemBioChem*, **2020**, *21*, 335–339.
- (4) <u>Takafumi Furuhata</u>, Takahito Ohshiro, Gaku Akimoto, Ryosuke Ueki, Masateru Taniguchi, Shinsuke Sando "Highly conductive nucleotide analogue facilitates base-calling in quantum tunneling-based DNA sequencing " ACS Nano, **2019**, *13*, 5028–5035.
- (5) Akira Tsuchiya, Siti N. Hashim, Shoko Ise, <u>Takafumi Furuhata</u>, Kiyohiko Kawai, Rie Wakabayashi, Masahiro Goto, Noriho Kamiya, Shinsuke Sando "BODIPY-Labeled fluorescent aptamer sensors for turn-on sensing of interferon-gamma and adenine compounds on cells" *Anal. Sci.* **2016**, *32*, 543-547.