

CURRICULUM VITAE

Kosuke KIKUCHI



School of Life Science and Technology, Tokyo Institute of Technology

4259 Nagatsuta-cho, Midori-ku, Yokohama, 226-8501, Japan

Tel/Fax: +81-45-924-5806

E-mail: kikuchi.k.aq@m.titech.ac.jp

ORCID: [0000-0002-2998-9049](https://orcid.org/0000-0002-2998-9049)

Web of Science Researcher ID: [AAB-9058-2022](https://www.researcherid.com/rid/AAB-9058-2022)

Education

- 2021.04 – 2024.03 Ph. D. in Life Science and Technology
at School of Life Science and Technology, Tokyo Institute of Technology
Supervisor: Prof. Takafumi Ueno
- 2019.04 – 2021.03 M. S.
at School of Life Science and Technology, Tokyo Institute of Technology
- 2015.04 – 2019.03 B. Eng.
at School of Life Science and Technology, Tokyo Institute of Technology

Professional Career

- 2024.04 – Present Assistant Professor
at School of Life Science and Technology, Tokyo Institute of Technology

Fellowships

- Apr 2021 Life Science and Technology Research Fellow,
– Mar 2022 Tokyo Institute of Technology
- Apr 2022 Junior Research Fellow (DC2),
– Mar 2024 Japan Society for the Promotion of Science (JSPS)

Visiting Research

- Sep 2022 Visiting Research at the Yusuf Hamied Department of Chemistry, University of
– Dec 2022 Cambridge, United Kingdom (PI: Prof. Silvia Vignolini)
Research Visits of JSPS Research Fellows to ERC-supported European teams
- Jan 2024 Visiting Research at the Department of Chemistry, Imperial College London,
– Mar 2024 United Kingdom (PI: Prof. Oscar Ces)
BBSRC International Partnering Award Plus to work with Japanese researchers
in artificial cell science

Awards

- Jun 2019 MRS Best Poster Award
The 10th International Conference on Materials for Advanced Technologies,
Singapore
- Nov 2019 CSJ Poster Presentation Award
The 9th Chemical Society of Japan Chemistry Festa, Japan
- Dec 2019 Interim Poster Presentation Award
Tokyo Institute of Technology, Japan
- Jan 2022 15th Ohsumi Journal Award
Tokyo Institute of Technology, Japan
- Mar 2023 CSJ Presentation Award 2023
The 103rd Chemical Society of Japan Annual Meeting, Japan

Research Interests

1. Protein Engineering
2. Supramolecular self-assembly
3. Biophysics
4. Protein-incorporated hybrid materials

Publications

1. **Kikuchi, K.**, Date, K., Ueno, T. Design of a Hierarchical Assembly at a Solid-Liquid Interface Using an Asymmetric Protein Needle. *Langmuir* **39**, 2389-2397, (2023). (Front Cover)
2. **Kikuchi, K.**, Fukuyama, T., Uchihashi, T., Furuta, T., Maeda, Y. T., Ueno, T. Protein Needles Designed to Self-Assemble through Needle Tip Engineering. *Small* **18**, e2106401, (2022).
Appeared in *Science Japan*, *客観日本*, *科学新聞* (2022/1/28号) etc. [[Tokyo Tech News](#)]
3. Nguyen, Q. D., **Kikuchi, K.**, Kojima, M. & Ueno, T. Dynamic Behavior of Cargo Proteins Regulated by Linker Peptides on a Protein Needle Scaffold. *Chemistry Letters* **51**, 73-76, (2022).
4. Nguyen, Q. D., **Kikuchi, K.**, Maity, B. & Ueno, T. The Versatile Manipulations of Self-Assembled Proteins in Vaccine Design. *Int. J. Mol. Sci.* **22**, 1-21, (2021).
5. Ueno, T., Niwase, K., Tsubokawa, D., **Kikuchi, K.**, Takai, N., Furuta, T., Kawano, R. & Uchihashi, T. Dynamic behavior of an artificial protein needle contacting a membrane observed by high-speed atomic force microscopy. *Nanoscale* **12**, 8166-8173, (2020).