

# Stanford

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## Yuya Kiguchi

Postdoctoral Scholar, Hematology

### Bio

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#### INSTITUTE AFFILIATIONS

- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease

#### HONORS AND AWARDS

- MCHRI Pediatric IBD Fellowship, Stanford Maternal and Child Health Research Institute (MCHRI) (2025)
- Best Presentation Award, Seminar on Research Planning of Advanced Health Science, Waseda University (2017)
- Poster Award for Excellence, The Naito Foundation (2024)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Waseda University (2022)
- Bachelor of Science, Hosei University (2012)
- Master of Science, The University of Tokyo (2014)
- Doctor of Philosophy, Waseda University (2022)

#### STANFORD ADVISORS

- Ami Bhatt, Postdoctoral Faculty Sponsor
- Ami Bhatt, Postdoctoral Research Mentor

### Publications

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#### PUBLICATIONS

- **Giants within: a new class of microbial mobile elements.** *Trends in genetics : TIG*  
Kiguchi, Y., Suzuki, Y.  
2026
- **Giant extrachromosomal element "Inocle" potentially expands the adaptive capacity of the human oral microbiome** *NATURE COMMUNICATIONS*  
Kiguchi, Y., Hamamoto, N., Kashima, Y., Runtuwene, L. R., Ishizaka, A., Kuze, Y., Enokida, T., Tanaka, N., Tahara, M., Kageyama, S., Fujisawa, T., Yamashita, R., Kanai, et al  
2025; 16 (1): 7397
- **Tyzzereella nexilis strains enriched in mobile genetic elements are involved in progressive multiple sclerosis.** *Cell reports*  
Takewaki, D., Kiguchi, Y., Masuoka, H., Manu, M. S., Raveney, B. J., Narushima, S., Kurokawa, R., Ogata, Y., Kimura, Y., Sato, N., Ozawa, Y., Yagishita, S., Araki, et al  
2024; 43 (10): 114785

- **Extensive gut virome variation and its associations with host and environmental factors in a population-level cohort.** *Nature communications*  
Nishijima, S., Nagata, N., Kiguchi, Y., Kojima, Y., Miyoshi-Akiyama, T., Kimura, M., Ohsugi, M., Ueki, K., Oka, S., Mizokami, M., Itoi, T., Kawai, T., Uemura, et al  
2022; 13 (1): 5252
- **Long-read metagenomics of multiple displacement amplified DNA of low-biomass human gut phageomes by SACRA pre-processing chimeric reads.** *DNA research : an international journal for rapid publication of reports on genes and genomes*  
Kiguchi, Y., Nishijima, S., Kumar, N., Hattori, M., Suda, W.  
2021; 28 (6)
- **Ectopic colonization of oral bacteria in the intestine drives T<sub>H</sub>1 cell induction and inflammation** *SCIENCE*  
Atarashi, K., Suda, W., Luo, C., Kawaguchi, T., Motoo, I., Narushima, S., Kiguchi, Y., Yasuma, K., Watanabe, E., Tanoue, T., Thaïss, C. A., Sato, M., Toyooka, et al  
2017; 358 (6361): 359-+