Stanford



Yuya Kiguchi

Postdoctoral Scholar, Hematology

Bio

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

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

- **Tyzzerella 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_H1 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., Thaiss, C. A., Sato, M., Toyooka, et al
  2017; 358 (6361): 359-+