



Kazuki Nagashima

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Bio

ACADEMIC APPOINTMENTS

- Senior Research Scientist, Bioengineering

LINKS

- Personal Website: <https://www.kazuki-nagashima.com/>

Publications

PUBLICATIONS

- **Mapping the T cell repertoire to a complex gut bacterial community.** *Nature*
Nagashima, K., Zhao, A., Atabakhsh, K., Bae, M., Blum, J. E., Weakley, A., Jain, S., Meng, X., Cheng, A. G., Wang, M., Higginbottom, S., Dimas, A., Murugkar, et al
2023
- **Strain dropouts reveal interactions that govern the metabolic output of the gut microbiome.** *Cell*
Wang, M., Osborn, L. J., Jain, S., Meng, X., Weakley, A., Yan, J., Massey, W. J., Varadharajan, V., Horak, A., Banerjee, R., Allende, D. S., Chan, E. R., Hajjar, et al
2023; 186 (13): 2839-2852.e21
- **Engineered skin bacteria induce antitumor T cell responses against melanoma.** *Science (New York, N.Y.)*
Chen, Y. E., Bousbaine, D., Veinbachs, A., Atabakhsh, K., Dimas, A., Yu, V. K., Zhao, A., Enright, N. J., Nagashima, K., Belkaid, Y., Fischbach, M. A.
2023; 380 (6641): 203-210
- **Design, construction, and invivo augmentation of a complex gut microbiome.** *Cell*
Cheng, A. G., Ho, P., Aranda-Diaz, A., Jain, S., Yu, F. B., Meng, X., Wang, M., Iakiviak, M., Nagashima, K., Zhao, A., Murugkar, P., Patil, A., Atabakhsh, et al
2022
- **Depletion of microbiome-derived molecules in the host using Clostridium genetics.** *Science (New York, N.Y.)*
Guo, C., Allen, B. M., Hiam, K. J., Dodd, D., Van Treuren, W., Higginbottom, S., Nagashima, K., Fischer, C. R., Sonnenburg, J. L., Spitzer, M. H., Fischbach, M. A.
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- **Host defense against oral microbiota by bone-damaging T cells** *NATURE COMMUNICATIONS*
Tsukasaki, M., Komatsu, N., Nagashima, K., Nitta, T., Pluemsakunthai, W., Shukunami, C., Iwakura, Y., Nakashima, T., Okamoto, K., Takayanagi, H.
2018; 9: 701
- **Targeted deletion of RANKL in M cell inducer cells by the Col6a1-Cre driver** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Nagashima, K., Sawa, S., Nitta, T., Prados, A., Koliarakis, V., Kollias, G., Nakashima, T., Takayanagi, H.
2017; 493 (1): 437-443
- **Identification of subepithelial mesenchymal cells that induce IgA and diversify gut microbiota** *NATURE IMMUNOLOGY*

Nagashima, K., Sawa, S., Nitta, T., Tsutsumi, M., Okamura, T., Penninger, J. M., Nakashima, T., Takayanagi, H.
2017; 18 (6): 675-+

● **LOX Fails to Substitute for RANKL in Osteoclastogenesis** *JOURNAL OF BONE AND MINERAL RESEARCH*

Tsukasaki, M., Hamada, K., Okamoto, K., Nagashima, K., Terashima, A., Komatsu, N., Win, S. J., Okamura, T., Nitta, T., Yasuda, H., Penninger, J. M., Takayanagi, H.
2017; 32 (3): 434-439