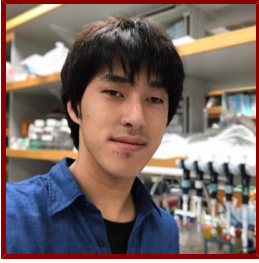


# Stanford

---



## Shozo Ohtsuki

Postdoctoral Research Fellow, Immunology and Rheumatology

### Bio

---

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, National Postdoctoral Association (2020 - present)
- Member, American Association for the Advancement of Science (2019 - present)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Kyoto University (2018)
- Master of Science, Kyoto University (2015)
- Bachelor of Science, Osaka University of Pharmaceutical Sciences (2013)

#### STANFORD ADVISORS

- Cornelia Weyand, Postdoctoral Faculty Sponsor
- Cornelia Weyand, Postdoctoral Research Mentor

### Research & Scholarship

---

#### LAB AFFILIATIONS

- Cornelia Weyand, Weyand lab (7/15/2019)
- Christopher Garcia, Garcia lab (10/6/2018 - - 7/14/2019)

### Publications

---

#### PUBLICATIONS

- **Immune receptor inhibition through enforced phosphatase recruitment.** *Nature*  
Fernandes, R. A., Su, L., Nishiga, Y., Ren, J., Bhuiyan, A. M., Cheng, N., Kuo, C. J., Picton, L. K., Ohtsuki, S., Majzner, R. G., Rietberg, S. P., Mackall, C. L., Yin, et al  
2020
- **Succinyl-CoA Ligase Deficiency in Pro-inflammatory and Tissue-Invasive T Cells.** *Cell metabolism*  
Wu, B., Qiu, J., Zhao, T. V., Wang, Y., Maeda, T., Goronzy, I. N., Akiyama, M., Ohtsuki, S., Jin, K., Tian, L., Goronzy, J. J., Weyand, C. M.  
2020; 32 (6): 967–80.e5
- **Neutrophil Extracellular Traps Induce Tissue-Invasive Monocytes in Granulomatosis With Polyangiitis.** *Frontiers in immunology*  
Akiyama, M., Zeisbrich, M., Ibrahim, N., Ohtsuki, S., Berry, G. J., Hwang, P. H., Goronzy, J. J., Weyand, C. M.  
2019; 10: 2617
- **Combined use of chemically modified nucleobases and nanostructured DNA for enhanced immunostimulatory activity of CpG oligodeoxynucleotide.** *Bioorganic & medicinal chemistry*

---

Araie, Y., Ohtsuki, S., Park, S., Nagaoka, M., Umemura, K., Sugiyama, H., Kusamori, K., Takahashi, Y., Takakura, Y., Nishikawa, M.  
2020; 115864

- **DNA density-dependent uptake of DNA origami-based two-or three-dimensional nanostructures by immune cells.** *Nanoscale*  
Maezawa, T., Ohtsuki, S., Hidaka, K., Sugiyama, H., Endo, M., Takahashi, Y., Takakura, Y., Nishikawa, M.  
2020
- **Folding of single-stranded circular DNA into rigid rectangular DNA accelerates its cellular uptake.** *Nanoscale*  
Ohtsuki, S., Shiba, Y., Maezawa, T., Hidaka, K., Sugiyama, H., Endo, M., Takahashi, Y., Takakura, Y., Nishikawa, M.  
2019
- **Elucidation of the Mechanism of Increased Activity of Immunostimulatory DNA by the Formation of Polypod-like Structure.** *Pharmaceutical research*  
Mohri, K., Nagata, K., Ohtsuki, S., Toyama, S., Nonomura, M., Takahashi, Y., Takakura, Y., Nishikawa, M., Sakuma, S.  
2017; 34 (11): 2362–70
- **Reconstruction of Toll-like receptor 9-mediated responses in HEK-Blue hTLR9 cells by transfection of human macrophage scavenger receptor 1 gene.** *Scientific reports*  
Ohtsuki, S., Takahashi, Y., Inoue, T., Takakura, Y., Nishikawa, M.  
2017; 7 (1): 13661
- **DNA nanotechnology-based composite-type gold nanoparticle-immunostimulatory DNA hydrogel for tumor photothermal immunotherapy.** *Biomaterials*  
Yata, T., Takahashi, Y., Tan, M., Nakatsuji, H., Ohtsuki, S., Murakami, T., Imahori, H., Umeki, Y., Shiomi, T., Takakura, Y., Nishikawa, M.  
2017; 146: 136–45
- **Self-assembling DNA hydrogel-based delivery of immunoinhibitory nucleic acids to immune cells.** *Nanomedicine : nanotechnology, biology, and medicine*  
Nishida, Y., Ohtsuki, S., Araie, Y., Umeki, Y., Endo, M., Emura, T., Hidaka, K., Sugiyama, H., Takahashi, Y., Takakura, Y., Nishikawa, M.  
2016; 12 (1): 123–30
- **Self-assembling DNA dendrimer for effective delivery of immunostimulatory CpG DNA to immune cells.** *Biomacromolecules*  
Mohri, K., Kusuki, E., Ohtsuki, S., Takahashi, N., Endo, M., Hidaka, K., Sugiyama, H., Takahashi, Y., Takakura, Y., Nishikawa, M.  
2015; 16 (4): 1095–1101
- **Optimal Arrangement of Four Short DNA Strands for Delivery of Immunostimulatory Nucleic Acids to Immune Cells.** *Nucleic acid therapeutics*  
Ohtsuki, S., Matsuzaki, N., Mohri, K., Endo, M., Emura, T., Hidaka, K., Sugiyama, H., Takahashi, Y., Ishiyama, K., Kadowaki, N., Takakura, Y., Nishikawa, M.  
2015; 25 (5): 245–53