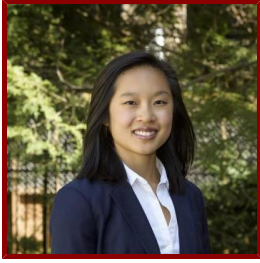


# Stanford

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## Hannah Constance Wastyk

Casual - Non-Exempt, Microbiology and Immunology

 Curriculum Vitae available Online

### Bio

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#### BIO

I am a PhD student in the Bioengineering Department working under Dr. Justin Sonnenburg. I am currently studying the microbiome and how it relates to the immune system in human studies through machine learning and statistical methods. I am also committed to creating opportunities and providing mentorship to students of diverse backgrounds.

#### HONORS AND AWARDS

- National Science Foundation Graduate Fellowship, National Science Foundation (March 2017)
- Enhancing Diversity in Graduate Education Doctoral Fellowship Program, Stanford University (March 2017)

#### EDUCATION AND CERTIFICATIONS

- Bachelors of Science, University of Delaware , Biochemistry (2017)

#### LINKS

- Stanford Personal Site: <http://web.stanford.edu/~hwastyk/>
- Sonnenburg Lab Site: <https://sonnenburglab.stanford.edu/index.html>

### Professional

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#### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Program Leader, Stanford Summer Research Program (2019 - 2019)
- Advocacy Chair, Biomedical Association for the Interest of Minority Students (2018 - 2019)
- Peer Leader, ADVANCE Summer Institute (2018 - 2018)

### Publications

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#### PUBLICATIONS

- **Robust variation in infant gut microbiome assembly across a spectrum of lifestyles.** *Science (New York, N.Y.)*  
Olm, M. R., Dahan, D., Carter, M. M., Merrill, B. D., Yu, F. B., Jain, S., Meng, X., Tripathi, S., Wastyk, H., Neff, N., Holmes, S., Sonnenburg, E. D., Jha, et al  
2022; 376 (6598): 1220-1223
- **An engineered ligand trap inhibits leukemia inhibitory factor as pancreatic cancer treatment strategy.** *Communications biology*  
Hunter, S. A., McIntosh, B. J., Shi, Y., Sperberg, R. A., Funatogawa, C., Labanieh, L., Soon, E., Wastyk, H. C., Mehta, N., Carter, C., Hunter, T., Cochran, J. R.  
2021; 4 (1): 452
- **Gut-microbiota-targeted diets modulate human immune status.** *Cell*

Wastyk, H. C., Fragiadakis, G. K., Perelman, D., Dahan, D., Merrill, B. D., Yu, F. B., Topf, M., Gonzalez, C. G., Van Treuren, W., Han, S., Robinson, J. L., Elias, J. E., Sonnenburg, et al  
2021

- **High-Throughput Stool Metaproteomics: Method and Application to Human Specimens.** *mSystems*  
Gonzalez, C. G., Wastyk, H. C., Topf, M., Gardner, C. D., Sonnenburg, J. L., Elias, J. E.  
2020; 5 (3)
- **Long-term dietary intervention reveals resilience of the gut microbiota despite changes in diet and weight.** *The American journal of clinical nutrition*  
Fragiadakis, G. K., Wastyk, H. C., Robinson, J. L., Sonnenburg, E. D., Sonnenburg, J. L., Gardner, C. D.  
2020
- **A randomized crossover trial on the effect of plant-based compared with animal-based meat on trimethylamine-N-oxide and cardiovascular disease risk factors in generally healthy adults: Study With Appetizing Plantfood-Meat Eating Alternative Trial (SWAP-MEAT).** *The American journal of clinical nutrition*  
Crimarco, A. n., Springfield, S. n., Petlura, C. n., Streaty, T. n., Cunanan, K. n., Lee, J. n., Fielding-Singh, P. n., Carter, M. M., Topf, M. A., Wastyk, H. C., Sonnenburg, E. D., Sonnenburg, J. L., Gardner, et al  
2020