

# Stanford

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## Andrew Brooks

Postdoctoral Research Fellow, Genetics

### Bio

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#### BIO

Postdoctoral researcher in the Snyder Lab. My research focuses on the human gut microbiome, and I am involved in multiple multiomic projects investigating how physiological systems through the human body interact across different lifestyles and health states. I perform both wet and dry lab aspects of multiomics analyses, and am involved in two coronavirus research projects including handling of positive SARS-COV-2 samples.

#### STANFORD ADVISORS

- Michael Snyder, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### LAB AFFILIATIONS

- Michael Snyder, Snyder Lab (9/1/2019)
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### Publications

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#### PUBLICATIONS

- **New-onset vegetarian diet shows differences in fatty acid metabolites in European American and African American women.** *Nutrition, metabolism, and cardiovascular diseases : NMCD*  
Wang, N. C., Bagheri, M., Olszewski, T., Friese, K. A., Smith, H. M., Robles, M. E., Wang, C., Brooks, A., Bordenstein, S. R., Ferguson, J. F., Silver, H. J.  
2021
- **Early Detection of SARS-CoV-2 and other Infections in Solid Organ Transplant Recipients and Household Members using Wearable Devices.** *Transplant international : official journal of the European Society for Organ Transplantation*  
Keating, B. J., Mukhtar, E. H., Elftmann, E. D., Eweje, F. R., Gao, H., Ibrahim, L. I., Kathawate, R. G., Lee, A. C., Li, E. H., Moore, K. A., Nair, N., Chaluvadi, V., Reason, et al  
2021
- **Pre-symptomatic detection of COVID-19 from smartwatch data.** *Nature biomedical engineering*  
Mishra, T., Wang, M., Metwally, A. A., Bogu, G. K., Brooks, A. W., Bahmani, A., Alavi, A., Celli, A., Higgs, E., Dagan-Rosenfeld, O., Fay, B., Kirkpatrick, S., Kellogg, et al  
2020
- **Gut microbiota diversity across ethnicities in the United States** *PLOS BIOLOGY*  
Brooks, A. W., Priya, S., Blehman, R., Bordenstein, S. R.  
2018; 16 (12): e2006842
- **Phylosymbiosis: Relationships and Functional Effects of Microbial Communities across Host Evolutionary History** *PLOS BIOLOGY*

Brooks, A. W., Kohl, K. D., Brucker, R. M., van Opstal, E. J., Bordenstein, S. R.

2016; 14 (11): e2000225