

Stanford



Andrew Brooks

Postdoctoral Scholar, Genetics

Bio

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

LAB AFFILIATIONS

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

Publications

PUBLICATIONS

- **Gut microbiota analyses of Saudi populations for type 2 diabetes-related phenotypes reveals significant association.** *BMC microbiology*
Al-Muhanna, F. A., Dowdell, A. K., Al Eleq, A. H., Albaker, W. I., Brooks, A. W., Al-Sultan, A. I., Al-Rubaish, A. M., Alkharsah, K. R., Sulaiman, R. M., Al-Quorain, A. A., Cyrus, C., Alali, R. A., Vatte, et al
2022; 22 (1): 301
- **Individuality and ethnicity eclipse a short-term dietary intervention in shaping microbiomes and viromes.** *PLoS biology*
Li, J., George Markowitz, R. H., Brooks, A. W., Mallott, E. K., Leigh, B. A., Olszewski, T., Zare, H., Bagheri, M., Smith, H. M., Friese, K. A., Habibi, I., Lawrence, W. M., Rost, et al
2022; 20 (8): e3001758
- **Real-time alerting system for COVID-19 and other stress events using wearable data.** *Nature medicine*
Alavi, A., Bogu, G. K., Wang, M., Rangan, E. S., Brooks, A. W., Wang, Q., Higgs, E., Celli, A., Mishra, T., Metwally, A. A., Cha, K., Knowles, P., Alavi, et al
2021
- **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

- **Real-time Alerting System for COVID-19 Using Wearable Data.** *medRxiv : the preprint server for health sciences*

Alavi, A., Bogu, G. K., Wang, M., Rangan, E. S., Brooks, A. W., Wang, Q., Higgs, E., Celli, A., Mishra, T., Metwally, A. A., Cha, K., Knowles, P., Alavi, 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., Blekhman, 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