



Daniel Panyard

Postdoctoral Scholar, Genetics

 Curriculum Vitae available Online

Bio

STANFORD ADVISORS

- Themistocles Assimes, Postdoctoral Research Mentor
- Michael Snyder, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A comparison of deep multiomics profiles across ethnicity, geography, and age.** *Cell*
Barapour, N., Cao, J. Z., Wu, Y., Gupta, S., Hoopmann, M. R., Qin, R., Midha, M. K., Mireault, M., Juanes-Velasco, P., Hanson, C., Ahadi, S., Higgs, E., Baxter, et al
2026; 189 (10): 3004-3024.e35
- **Diet-Based Weight Loss Intervention is Not Associated with Meaningful Change in Lean Soft Tissue.** *The American journal of clinical nutrition*
Roberts, A. K., Panyard, D. J., Hislop, B., Ward, C. P., Snyder, M. P., Gardner, C. D., Haddad, F.
2026: 101251
- **Biobank-scale genetic mapping identifies the shared genetic landscape of rheumatic and cardiovascular disease**
Panyard, D., Li, D., Kho, P., Guarischi-Sousa, R., Zhou, J., Hilliard, A., Bartels, C., Tsao, P., Assimes, T.
WILEY.2025: 35-37
- **Plasma proteomic signatures for type 2 diabetes and related traits in the UK Biobank cohort.** *Diabetes research and clinical practice*
Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Nzenkue, K., Chen, M. L., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, et al
2025: 112194
- **Cross-sectional, interventional, and causal investigation of insulin sensitivity using plasma proteomics in diverse populations.** *Metabolism: clinical and experimental*
Kho, P. F., Wary, N., Zanetti, D., Abbasi, F., Knowles, J. W., Panyard, D. J., Watson, K. T., Stell, L., Lazzeroni, L. C., Gustafsson, S., Lind, L., Petrie, J. R., Assimes, et al
2025: 156263
- **Cross-sectional, interventional, and causal investigation of insulin sensitivity using plasma proteomics in diverse populations.** *medRxiv : the preprint server for health sciences*
Kho, P. F., Wary, N., Zanetti, D., Abbasi, F., Knowles, J. W., Panyard, D. J., Watson, K. T., Stell, L., Lazzeroni, L. C., Gustafsson, S., Lind, L., Petrie, J. R., Assimes, et al
2024
- **Genetic architecture of cerebrospinal fluid and brain metabolite levels and the genetic colocalization of metabolites with human traits.** *Nature genetics*
Wang, C., Yang, C., Western, D., Ali, M., Wang, Y., Phuah, C. L., Budde, J., Wang, L., Gorijala, P., Timsina, J., Ruiz, A., Pastor, P., Fernandez, et al
2024

- **Plasma proteomics and carotid intima-media thickness in the UK biobank cohort.** *Frontiers in cardiovascular medicine*
Chen, M. L., Kho, P. F., Guarischi-Sousa, R., Zhou, J., Panyard, D. J., Azizi, Z., Gupte, T., Watson, K., Abbasi, F., Assimes, T. L.
2024; 11: 1478600
- **Subtle stories in GWAS data: multiomics implicate GPX3 at the <i>TNIP1</i> locus in Alzheimer's disease**
Panyard, D. J., Reus, L. M., Ali, M., Liu, J., Deming, Y. K., Lu, Q., Kollmorgen, G., Carboni, M., Wild, N., Visser, P. J., Bertram, L., Zetterberg, H., Blennow, et al
WILEY.2024: 374-375
- **A plasma proteomic signature for atherosclerotic cardiovascular disease risk prediction in the UK Biobank cohort.** *medRxiv : the preprint server for health sciences*
Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Chen, M., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, P. S., Clarke, et al
2024
- **Plasma proteomic signatures for type 2 diabetes mellitus and related traits in the UK Biobank cohort.** *medRxiv : the preprint server for health sciences*
Gupte, T. P., Azizi, Z., Kho, P. F., Zhou, J., Nzenkue, K., Chen, M., Panyard, D. J., Guarischi-Sousa, R., Hilliard, A. T., Sharma, D., Watson, K., Abbasi, F., Tsao, et al
2024
- **Associations between accurate measures of adiposity and fitness, blood proteins, and insulin sensitivity among South Asians and Europeans.** *medRxiv : the preprint server for health sciences*
Kho, P. F., Stell, L., Jimenez, S., Zanetti, D., Panyard, D. J., Watson, K. L., Sarraju, A., Chen, M. L., Lind, L., Petrie, J. R., Chan, K. N., Fonda, H., Kent, et al
2024
- **Post-GWAS multiomic functional investigation of the TNIP1 locus in Alzheimer's disease highlights a potential role for GPX3.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Panyard, D. J., Reus, L. M., Ali, M., Liu, J., Deming, Y. K., Lu, Q., Kollmorgen, G., Carboni, M., Wild, N., Visser, P. J., Bertram, L., Zetterberg, H., Blennow, et al
2024
- **PLASMA PROTEOMICS AND VISCERAL ADIPOSE TISSUE VOLUME: A MACHINE LEARNING ANALYSIS OF INTERACTION BETWEEN BIOMARKERS, SOCIO-BEHAVIORAL, AND FITNESS FACTORS IN UK BIOBANK**
Azizi, Z., Gupte, T., Kho, P., Nzenkue, K., Zhou, J., Guarischi-Sousa, R., Panyard, D., Chen, M., Abbasi, F., Clarke, S., Tsao, P., Assimes, T. L.
ELSEVIER SCIENCE INC.2024: 1699
- **Associations between accurate measures of adiposity and fitness, blood proteins, and insulin sensitivity among South Asians and Europeans.** *Frontiers in endocrinology*
Kho, P. F., Stell, L., Jimenez, S., Zanetti, D., Panyard, D. J., Watson, K. L., Sarraju, A., Chen, M. L., Lind, L., Petrie, J. R., Chan, K. N., Fonda, H., Kent, et al
2024; 15: 1492778
- **Assessing the Biological Mechanisms Linking Smoking Behavior and Cognitive Function: A Mediation Analysis of Untargeted Metabolomics.** *Metabolites*
Choi, J. J., Kosciak, R. L., Jonaitis, E. M., Panyard, D. J., Morrow, A. R., Johnson, S. C., Engelman, C. D., Schmitz, L. L.
2023; 13 (11)
- **Unique genetic architecture of CSF and brain metabolites pinpoints the novel targets for the traits of human wellness.** *Research square*
Wang, C., Western, D., Yang, C., Ali, M., Wang, L., Gorijala, P., Timsina, J., Ruiz, A., Pastor, P., Fernandez, M., Panyard, D., Engelman, C., Deming, et al
2023
- **Multi-omics microsampling for the profiling of lifestyle-associated changes in health.** *Nature biomedical engineering*
Shen, X., Kellogg, R., Panyard, D. J., Bararpour, N., Castillo, K. E., Lee-McMullen, B., Delfarah, A., Ubellacker, J., Ahadi, S., Rosenberg-Hasson, Y., Ganz, A., Contrepolis, K., Michael, et al
2023
- **Liver-Specific Polygenic Risk Score Is Associated with Alzheimer's Disease Diagnosis** *JOURNAL OF ALZHEIMERS DISEASE*
Panyard, D. J., Deming, Y. K., Darst, B. F., Van Hulle, C. A., Zetterberg, H., Blennow, K., Kollmorgen, G., Suridjan, I., Carlsson, C. M., Johnson, S. C., Asthana, S., Engelman, C. D., Lu, et al

2023; 92 (2): 395-409

- **The metabolomics of human aging: Advances, challenges, and opportunities.** *Science advances*

Panyard, D. J., Yu, B., Snyder, M. P.

2022; 8 (42): eadd6155

- **Cerebrospinal Fluid Sphingomyelins in Alzheimer's Disease, Neurodegeneration, and Neuroinflammation.** *Journal of Alzheimer's disease : JAD*

Morrow, A., Panyard, D. J., Deming, Y. K., Jonaitis, E., Dong, R., Vasiljevic, E., Betthausen, T. J., Kollmorgen, G., Suridjan, I., Bayfield, A., Van Hulle, C. A., Zetterberg, H., Blennow, et al

2022