

Publications

JOURNAL ARTICLES

1. McMahon, M., McConley, I., Hashim, C., & Schnyer, D. M. (2023). Fitbit validation for rest-activity rhythm assessment in young and older adults. *Smart Health*, 29, 100418. <https://doi.org/10.1016/j.smhl.2023.100418>
2. Ray, K. L., Griffin, N. R., Shumake, J., Alario, A., Allen, J. J. B., Beevers, C. G., & Schnyer, D. M. (2023). Altered electroencephalography resting state network coherence in remitted MDD. *Brain Research*, 1806, 148282. <https://doi.org/10.1016/j.brainres.2023.148282>
3. Clark, A. L., McGill, M. B., Ozturk, E. D., Schnyer, D. M., Chanfreau-Coffinier, C., & Merritt, V. C. (2023). Self-reported physical functioning, cardiometabolic health conditions, and health care utilization patterns in million veteran program enrollees with traumatic brain injury screening and evaluation program data. *Military Medical Research*, 10(1). <https://doi.org/10.1186/s40779-022-00435-7>
4. Wickwire, E. M., Albrecht, J. S., Capaldi, V. F., Jain, S., Gardner, R. C., Smith, M. T., Williams, S. G., Collen, J., Schnyer, D. M., Giacino, J. T., Nelson, L. D., Mukherjee, P., Sun, X., Werner, J. K., Mosti, C. B., Markowitz, A. J., Manley, G. T., & Krystal, A. D. (2023). Association between insomnia and mental health and neurocognitive outcomes following traumatic brain injury. *Journal of Neurotrauma*, 40(21–22), 2376–2385. <https://doi.org/10.1089/neu.2023.0009>
5. Fritz, H., Kinney, K. A., Wu, C., Schnyer, D. M., & Nagy, Z. (2022). Data fusion of mobile and environmental sensing devices to understand the effect of the indoor environment on measured and self-reported sleep quality. *Building and Environment*, 214, 108835. <https://doi.org/10.1016/j.buildenv.2022.108835>
6. Don, H. J., Davis, T., Ray, K. L., McMahon, M. C., Cornwall, A. C., Schnyer, D. M., & Worthy, D. A. (2022). Neural regions associated with gain-loss frequency and average reward in older and younger adults. *Neurobiology of Aging*, 109, 247–258. <https://doi.org/10.1016/j.neurobiolaging.2021.10.001>
7. Wickwire, E. M., Albrecht, J. S., Capaldi, V. F., Jain, S. O., Gardner, R. C., Werner, J. K., Mukherjee, P., McKeon, A. B., Smith, M. T., Giacino, J. T., Nelson, L. D., Williams, S. G., Collen, J., Sun, X., Schnyer, D. M., Markowitz, A. J., Manley, G. T., Krystal, A. D., Diaz-Arrastia, R., ... Zafonte, R. (2022). Trajectories of insomnia in adults after traumatic brain injury. *JAMA Network Open*, 5(1), e2145310. <https://doi.org/10.1001/jamanetworkopen.2021.45310>
8. Wu, C., McMahon, M., Fritz, H., & Schnyer, D. M. (2022). Circadian rhythms are not captured equal: Exploring circadian metrics extracted by different computational methods from smartphone accelerometer and GPS sensors in daily life tracking. *DIGITAL HEALTH*, 8, 205520762211142. <https://doi.org/10.1177/20552076221114201>
9. Wu, C., Fritz, H., Miller, M., Craddock, C., Kinney, K., Castelli, D., & Schnyer, D. (2021). Exploring post COVID-19 outbreak intradaily mobility pattern change in college students: A GPS-focused smartphone sensing study. *Frontiers in Digital Health*, 3. <https://doi.org/10.3389/fdgth.2021.765972>
10. Beevers, C. G., Hsu, K. J., Schnyer, D. M., Smits, J. A. J., & Shumake, J. (2021). Change in negative attention bias mediates the association between attention bias modification training and depression symptom improvement. *Journal of Consulting and Clinical Psychology*, 89(10), 816–829. <https://doi.org/10.1037/ccp0000683>
11. Wu, C., Fritz, H., Bastami, S., Maestre, J. P., Thomaz, E., Julien, C., Castelli, D. M., Barbaro, K. de, Bearman, S. K., Harari, G. M., Cameron Craddock, R., Kinney, K. A., Gosling, S. D., Schnyer, D. M., & Nagy, Z. (2021). Multi-modal data collection for measuring health, behavior, and living environment of large-scale participant cohorts. *GigaScience*, 10(6). <https://doi.org/10.1093/gigascience/giab044>
12. McMahon, M., Malneedi, Y., Worthy, D. A., & Schnyer, D. M. (2020). Rest-activity rhythms and white matter microstructure across the lifespan. *Sleep*, 44(6). <https://doi.org/10.1093/sleep/zsaa266>
13. Wu, C., Barczyk, A. N., Craddock, R. C., Harari, G. M., Thomaz, E., Shumake, J. D., Beevers, C. G., Gosling, S. D., & Schnyer, D. M. (2021). Improving prediction of real-time loneliness and companionship type using geosocial features of personal smartphone data. *Smart Health*, 20, 100180. <https://doi.org/10.1016/j.smhl.2021.100180>
14. McNamara, M. E., Shumake, J., Stewart, R. A., Labrada, J., Alario, A., Allen, J. J. B., Palmer, R., Schnyer, D. M., McGeary, J. E., & Beevers, C. G. (2021). Multifactorial prediction of depression diagnosis and symptom dimensions. *Psychiatry Research*, 298, 113805. <https://doi.org/10.1016/j.psychres.2021.113805>

15. Hsu, K. J., Shumake, J., Caffey, K., Risom, S., Labrada, J., Smits, J. A. J., Schnyer, D. M., & Beevers, C. G. (2021). Efficacy of attention bias modification training for depressed adults: A randomized clinical trial. *Psychological Medicine*, 52(16), 3865–3873. <https://doi.org/10.1017/s0033291721000702>
16. Bazarian, J. J., Elbin, R. J., Casa, D. J., Hotz, G. A., Neville, C., Lopez, R. M., Schnyer, D. M., Yeargin, S., & Covassin, T. (2021). Validation of a machine learning brain electrical activity–based index to aid in diagnosing concussion among athletes. *JAMA Network Open*, 4(2), e2037349. <https://doi.org/10.1001/jamanetworkopen.2020.37349>
17. Yue, J. K., Phelps, R. R., Hemmerle, D. D., Upadhyayula, P. S., Winkler, E. A., Deng, H., Chang, D., Vassar, M. J., Taylor, S. R., Schnyer, D. M., Lingsma, H. F., Puccio, A. M., Yuh, E. L., Mukherjee, P., Huang, M. C., Ngwenya, L. B., Valadka, A. B., Markowitz, A. J., Okonkwo, D. O., & Manley, G. T. (2021). Predictors of six-month inability to return to work in previously employed subjects after mild traumatic brain injury: A TRACK-TBI pilot study. *Journal of Concussion*, 5, 205970022110072. <https://doi.org/10.1177/20597002211007271>
18. Rigney, A. E., Schnyer, D. M., Hu, X., & Beer, J. S. (2020). Mechanisms of a spotless self-image: Navigating negative, self-relevant feedback. *Self and Identity*, 20(8), 1057–1076. <https://doi.org/10.1080/15298868.2020.1806918>

PREPRINTS

BOOKS

BOOK CHAPTERS

Professional Presentations

Conference Abstracts

Whole Communities-Whole Health: A Holistic Study of Home Environments

17TH INTERNATIONAL CONFERENCE ON INDOOR AIR QUALITY AND CLIMATE, INDOOR AIR 2022

2022

Ventilation and Indoor Air Quality in Residential Bedrooms

ASHRAE TRANSACTIONS

2021

Honors

Funding

FEASible: Sensing Factors of Environment, Activity, and Sleep to Validate Metabolic Health Burden Among Latina Women

FUNDING: \$733,166

National Heart Lung and Blood Institute, R01HL168374

2023 - 2028

Clinical development program to advance the development of Abbott’s Traumatic Brain Injury (“TBI”) test for diagnosis and determination of severity of brain injury in adults and children

FUNDING: \$47,500,000

BARDA and Abbott Labs,

2023 - 2027

Clinical Validation of Serum Neurofilament Light as a Biomarker of Traumatic Axonal Injury

FUNDING: \$1,778,129

National Institute of Neurological Disorders and Stroke, U01NS114140

2020 - 2025

Clinical Evaluation of i-STAT TBI Test

FUNDING: \$300,000

Abbott Diagnostics,

2020 - 2024

TRACK-TBI Epileptogenesis Project. The project aims to study individuals with post-traumatic epilepsy

FUNDING:

DOD,

2020 - 2024

Alinity i TBI Specimen Collection and Testing Protocol; and Alinity i TBI Fresh Sample Testing Protocol

FUNDING:

Abbott Laboratories, Core Diagnostics & UCSF,

2022 - 2023

Service

NIH - NIMH	Bethesda MD, US
	2023 - present
Department of Psychology, UT Austin	Austin, US
DEPARTMENT CHAIRPERSON	2019 - 2027
University of Texas at Austin	TX, US
COMMITTEE MEMBER - DIRECTOR OF THE ANIMAL RESEARCH CENTER SEARCH	2023 - 2023
NIH - ETTN-C (10) Emerging Technologies and Training in The Neurosciences Integrated Review Group	Bethesda, US
GRANT REVIEWER	2020 - 2022
NIH - APDA Adult Psychopathology and Disorders of Aging Study Section	Bethesda, US
GRANT REVIEWER	2021 - 2021

Mentoring and Teaching

MENTORING

McKenna McGill	2021 - present
DISSERTATION SUPERVISOR	
Megan McMahon	2018 - 2025
DISSERTATION SUPERVISOR	
Peter Wu	2019 - 2022
POST DOCTORAL FELLOW	
Derek Pisner	2017 - 2021
DISSERTATION SUPERVISOR	
Kimberly Ray	2018 - 2021
POST DOCTORAL FELLOW	

TEACHING